Blue Ridge CC

2023-2024 Catalog

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President's Message

Welcome to Blue Ridge Community College. I am delighted that you have chosen Blue Ridge to pursue your associate degree, career/technical certificate, transfer preparation, or attainment of college readiness skills. You have made a smart investment in your future.

Once you are here, you will see how Blue Ridge elevates your educational experience and prepares you for 21st-century success in the workforce or at four-year colleges and universities. Our talented faculty develop and teach challenging programs that offer real-life practice, meet the needs of local employers, and lead to well-paying careers. With accessible campuses in Henderson and Transylvania Counties, and online courses, our smaller class sizes and customized training opportunities provide you with a more supportive, engaging learning environment that encourages critical thinking and problem solving.

While you're a student at Blue Ridge, be sure to take advantage of the comprehensive array of support services that are available to you, including free tutoring and study-skill support at the Student Success Center. Also, a great "first stop" would be meeting with one of your counselors, who can answer questions about which classes or degree programs are best suited for your long-term career goals. Your counselor can help you navigate through the admission and financial aid application processes.

As the president of your community college, I believe every dream matters. I encourage you to explore our catalog and website to learn more about how Blue Ridge can help you pursue your dreams and reach your summit. You might be interested to learn that last year, Blue Ridge students received close to $500,000 in scholarships and financial aid assistance.

I wish you all the best as you embark upon this next step in your education, career, or personal enrichment. Our faculty and staff members are dedicated to elevating your experience. Thank you for the opportunity to partner with you on your journey.

Laura B. Leatherwood, Ed.D.

President

General Information

History

Blue Ridge Community College is one of 58 institutions that operate under the North Carolina State Board of Community Colleges.

The creation of Blue Ridge dates back to 1963, when the North Carolina General Assembly authorized a system of comprehensive community colleges and technical institutes in areas of the state that had a need for institutions of higher learning. A few years later, the residents of Henderson County approved a bond issue and a special tax levy to provide funds for the construction, operation, and maintenance of a school facility to serve the community. Henderson County Technical Institute opened its doors in December 1969 and the first course was offered on January 8, 1970.

The first full-time curriculum classes began the following semester on September 14, 1970. Shortly after, in October of 1970, the Board of Trustees changed the name from Henderson County Technical Institute to Blue Ridge Technical Institute. Then nine years later they renamed the school Blue Ridge Technical College. The Board of Trustees approved the current name, Blue Ridge Community College in 1987.

Mission Statement

Blue Ridge Community College empowers individuals with knowledge and skills to enrich our communities and build a competitive workforce.

Vision

Transforming lives through the power of learning.

Values

Student Success - We are committed to the success of our students by adhering to the highest levels of academic and professional standards.

Integrity - We demonstrate the ideals of honesty, fairness, and ethical behavior in all situations and circumstances.

Excellence - We are dedicated to continuous improvement and providing the highest quality teaching, training and service to our community.

Responsibility - We accept responsibility for our actions and decisions and are accountable to our students, communities, and the generations who come after us.

Adaptability - We are responsive and innovative when meeting the changing needs of our communities.

Location and Facilities

Blue Ridge Community College Henderson County Campus is located on 128 acres on College Drive, between Airport Road and South Allen Road in Flat Rock, North Carolina. The 13-building complex provides over 358,000 square feet of floor space. In addition to offices, classrooms, laboratory space, and student center areas, facilities also include a distance learning center, a 66,000-square foot Applied Technology Building, a comprehensive library, an Environmental and Safety Training Center, teaching and performance auditoriums, and a state-of-the-art Technology and Education Development Center that includes virtual training, television and audio recording studios, and a 1,000-seat conference hall. The College's health care programs are housed in the Health Sciences Center, located in downtown Hendersonville adjacent to Pardee UNC Healthcare.

The Transylvania County Campus is located on nine acres on the corner of Oak Park Drive and Osborne Road in Brevard, North Carolina. The two-building complex houses instructional and office space, the Applied Technology Building, and the Blue Ridge Innovation Network, a 3,500 square-foot facility for small business incubation.

Situated near the Blue Ridge Mountains of North Carolina at an altitude of 2,140 feet, the College is easily accessible via Interstate 26, Highways 64, 25, 191, and 176. Commercial air service is provided by several major airlines that serve the Asheville Regional Airport located twelve miles north of Hendersonville. The location between the metropolitan areas of Asheville, North Carolina, and Greenville, South Carolina, place the College near the center of a rapid growth area in southwestern North Carolina. This location is also near several vacation/recreation destinations which include Flat Rock, the Pisgah National Forest, Brevard, Bat Cave-Chimney Rock, Biltmore House, and the Blue Ridge Parkway.

Accreditation

Blue Ridge Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the Associate in Arts Degree (A.A.), the Associate in Science Degree (A.S.), the Associate in Engineering Degree (A.E.), the Associate in Fine Arts Degree (A.F.A.), the Associate in General Education (A.G.E.), and the Associate in Applied Science Degree (A.A.S.). Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of Blue Ridge Community College.

Blue Ridge Community College is an accredited member of the North Carolina Community College System and all programs offered by the College have been approved by the North Carolina State Board of Community Colleges.

The Associate Degree Nursing Program is approved by the North Carolina State Board of Nursing.

The Surgical Technology Program is approved by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Hwy 19 North, Suite 158, Clearwater, FL 33763; Phone: 727-210-2350;

Fax: 727-210-2354; caahep.org by the recommendation of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA), 6 West Dry Creek Circle, Suite 110, Littleton, CO 80120; Phone: 303-694-9262; Fax: 303-741-3655; arcstsa.org.

The Early Childhood and School Age Education Programs are accredited by the National Association for the Education of Young Children.

The Emergency Medical Science Program is credentialed as a North Carolina Advanced EMS Education Institution by the North Carolina Office of Emergency Medical Services.

The Emergency Medical Science Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756; Phone: 727-210-2350; Fax: 727-210-2354; caahep.org by the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Profession; 8301 Lakeview Parkway, Suite 111-312, Rowlett Texas 75088; coaemsp.org.

The Emergency Medical Technician—Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs.

The Fire Protection Program is seeking accreditation by the International Fire Service Accreditation Congress.

Blue Ridge Community College Educational Foundation, Inc.

Blue Ridge Community College Educational Foundation was founded in 1974, just five years after the institution was chartered. Today Blue Ridge Community College Educational Foundation is a separate organization affiliated with, and serving only, Blue Ridge Community College. It is governed by a Board of Directors and qualifies as a 501(c)(3) organization under the guidelines of the Internal Revenue Service. As such, the Foundation ensures to donors the tax deductibility for charitable gifts that is provided by state and federal laws. The mission of the Foundation is to aid, strengthen, and further in every proper and useful way the work and services of Blue Ridge Community College and to provide broader educational opportunities to its students, staff, faculty, and to the residents of Henderson and Transylvania Counties. In fulfilling its mission, the Foundation provides financial assistance to students through scholarships, a work-study program, and emergency loans and grants; purchases state-of-the-art equipment for use in classrooms; sponsors faculty development through special projects; enables the College to achieve its institutional effectiveness goals; provides start-up costs for new programs; and solicits monies for other College projects. Private support through the Foundation enables Blue Ridge Community College to keep pace with the educational changes occurring in its service area and in the lives of its students, faculty, and staff, and the citizens it serves. For further information, contact

Blue Ridge Community College Educational Foundation, 180 West Campus Drive, Flat Rock, North Carolina 28731, 828.694.1710.

Core Indicators of Student Success

The Performance Measures for Student Success Report is the North Carolina Community College System's major accountability document. This annual performance report is based on data compiled from the previous year and serves to inform colleges and the public on the performance of our 58 community colleges. The most current Performance Measures for Student Success Report is located on the College website.

The report is filled with comprehensive information about the development of these measures and the performance of each community college in the system

Admission

Entrance Requirements and Admissions Procedures

In keeping with the North Carolina Community College System's Open Door policy, Blue Ridge Community College enrolls students who are 18 years or older or are high school graduates or equivalent. For admission into all degree, diploma, and certificate programs, high school graduation or equivalent is required. Applicants who have not graduated from high school or otherwise fulfilled this requirement may do so by successfully completing the High School Equivalency Diploma, formerly known as the General Educational Development (GED) Tests. Applicants without a high school diploma or a High School Equivalency Diploma may enroll in specific individual classes as a special credit student.

All applicants for admission are responsible for fulfilling the following steps:

1. Complete the Residency Determination Service (RDS) first to start the admissions process. The Application for Admission cannot be submitted without first obtaining a Residency Certification Number (RCN). Residency determination expiration date must be valid to be eligible for registration.
2. Complete an Application for Admission online at blueridge.edu/admissions.
3. Have official copies of high school transcripts and/or High School Equivalency Diploma scores sent to the Registrar's Office. Official transcripts are those with the school seal and Registrar's signature and must arrive unopened from the issuing school or agency. Students whose required transcripts have not been received will be admitted on a provisional basis for one semester. Applicants to all Health Sciences programs who have a High School Equivalency Diploma or Adult High School diploma must also submit an official high school transcript if they completed ninth grade or higher. If transcripts cannot be obtained due to extenuating circumstances (loss by fire, school no longer exists, etc.), documentation of all efforts made by the student and a letter of explanation regarding the circumstances must be submitted to the Vice President for Student Services. Students under the age of 18 who are high school graduates or the equivalent must provide official transcripts prior to enrolling.
4. Complete a set of Pre-Enrollment Placement Tests. The College uses EdReady's NROC for placement testing. These tests examine the individual's levels of ability in Reading, Math, and English so that the student can be placed in appropriate developmental level courses if necessary. These tests are not admissions tests. Placement testing may be waived under conditions outlined in the Placement Testing Waiver Policy. Students requiring special testing accommodations due to a documented disability must see the Director of Disability Services at least two weeks prior to testing date.
5. Meet with a Counselor in Student Services for next steps.

A student is officially accepted to the College when all requirements are met. Acceptance to the College does not necessarily imply admission to a specific curriculum since certain programs, such as those in the allied health area, may have additional entrance requirements.

The College reserves the right to refuse admission to any applicant who is not a resident of North Carolina who seeks enrollment in any distance education course only if that applicant resides in a state where the college is not authorized to provide distance education in that State.

The College reserves the right to refuse admission to any applicant during any period of time that a student is suspended or expelled from another college or educational entity due to non-academic disciplinary reasons.

When a student self-reports on the College application (or it otherwise comes to the College's attention) that they are currently expelled or suspended from another college or university, the following actions will be taken:

1. The student must complete and sign a "Transfer Student—Additional Information Request Form" and submit to each college or university formerly attended. The student's signed release on this form permits the college to inform Blue Ridge of the term and circumstances of the student's non-academic disciplinary suspension or expulsion, if any.
2. After Blue Ridge receives the completed Transfer Student—Additional Information Request Form from all previously attended colleges, the Vice President for Student Services will review the information regarding any active suspension or expulsion and make the determination if the student should be provisionally admitted or denied admission.

The decision of the Vice President for Student Services is final.

Pre-Enrollment Placement Testing Waiver Policy

Students may waive the placement testing requirements under the following conditions:

Documentation of acceptable SAT or ACT scores. To be enrolled directly into first level curriculum English or math course, students would need to have a score of 500 on the applicable (Writing or Critical Reading, and/or Math) if taken before March 2016; a score of 480 on the Evidence Based Reading and Writing and a score of 530 on the Math portion of the SAT if taken after March 2016, or a minimum of 18 on ACT English or 22 on ACT Reading, or a minimum of 22 on ACT Mathematics. SAT and ACT examinations must have been taken within the last ten (10) years.

Results of NC DAP or NROC placement tests taken at another North Carolina Community College System institution, which have been taken within the preceding ten years and meet Blue Ridge Community College scores, or equivalent, will also waive placement testing.

Transfer credit (grade C or better) received from a regionally accredited institution for first-level curriculum English or Math courses will be accepted in lieu of placement testing. Developmental-level courses may be considered for transfer credit if taken at a North Carolina Community College. The student must submit an official transcript to receive transfer credit and to officially waive the need for placement testing. A maximum of 75% of the Total Semester Credit Hours in any program can be accepted in transfer.

Students who have graduated from a United States-based high school and who have an unweighted HS GPA of 2.80 or higher will be waived from placement testing. Students with an unweighted HS GPA of 2.20-2.799 may enroll in a gateway course with a mandatory co-requisite. Students with an unweighted HS GPA of less than 2.20 must enroll in a one-semester transition course. Students with an unweighted HS GPA less than 2.80 may choose to take the NROC placement test to attempt to exempt the mandatory transition or co-requisite course(s).

Students who have completed an associate degree or higher from a regionally accredited institution may be exempted from placement testing. The student must submit an official transcript to receive the waiver for placement testing.

For certificate programs without developmental prerequisites, testing will be waived. For certificate programs that have developmental prerequisites and/or courses with developmental prerequisites, NROC placement testing is required, unless the testing is waived based on one of the above conditions.

Pre-Enrollment Placement Testing Retesting Guidelines

In general, the NROC placement test provides a reasonable assessment of a student's abilities in English, reading, and math skills. In some cases, however, students may question their placement in one or more of these areas.

Retesting: A student wishing to retake any part of the NROC placement test for any reason is allowed one retest attempt in each developmental module. Students requesting a retest in a particular unit will be charged a fee for each unit in which a retest is desired. Fees are set annually by the College Trustees. Once the student has paid for the retest, they may receive a retest during a regularly scheduled official placement test session. Students will be placed in a course according to the better of the two test scores. Students are not allowed to retest to attempt to place out of a developmental class in which they are currently enrolled after the add/drop period has ended.

Residency Determination Service

The Residency Determination Service (RDS) is the centralized service for determining residency for students. This service enables a student to use one residency determination for admissions applications to multiple North Carolina public colleges and universities and to demonstrate residency for state aid programs consideration at all (public and private) North Carolina colleges and universities.

All new and returning curriculum students, including CCP students, international, undocumented, and Deferred Action for Childhood Arrivals (DACA) students, must complete the RDS application online at ncresidency.org prior to completing the admission application. RDS does not apply to Continuing Education students.

Determining Student Location for Curriculum and Continuing Education Students

According to Federal guidelines on state authorization (§ 600.9(C)), Blue Ridge must determine a student's location at the time of initial enrollment, as well as update its records should a student's location change. Doing so helps to ensure correct state authorization is obtained and disclosed to the student.

Information on state authorization, professional licensure, and the complaint process can be found on the college's State Authorization webpage.

Students can also view which state educational requirements for licensure or certification Blue Ridge meets, does not meet, or is undetermined on our Professional Licensure webpage.

For Curriculum Students

Location at Time of Initial Enrollment

For Blue Ridge Community College, a student's location is determined at the time of Application for Admission. As part of the admission process, a student must designate their program of interest and complete a Residency Determination Service (RDS). The RDS is what reaches out across the State to the different agencies to verify and validate the residency information a student is providing. The residency information on the application and RDS must match.

Upon receiving the application from an out-of-state student, the student's contact information, listed state of residence, and program of interest are sent to the appropriate Program Faculty, Academic Chair, or Dean. They will then contact the student to verify if the student is planning to remain in that state or relocate to NC for their education.

Prior to acceptance of enrollment into a program designed or advertised as meeting educational requirements for a specific professional license or certification required for an occupation, the student will be notified via email if Blue Ridge's program does not meet the educational requirements or if Blue Ridge has not made a determination.

Change of Address

In myBlueRidge, students are required to confirm their address every 60 days. Registration rules will restrict a student from using Student Planning and registering until they confirm.

Because educational requirements for licensure or certification may vary by state, it is imperative students confirm their address or change of address in a timely manner as potential educational requirements for the new state may directly impact licensure or certification completion.

Upon formal receipt of a change of address to a new state, students will be notified within 14 days of whether or not there is a conflict with the program's educational requirements for licensure or certification.

Change of Program

If a student changes their program of study, they are required to confirm their address. If the student is an out-of-state student, their contact info, listed state of residence, and program of interest are sent to the appropriate Blue Ridge program coordinator. The coordinator will contact the student to verify if the student is planning to remain in that state or relocate to NC for their education.

Prior to acceptance of enrollment into a program designed or advertised as meeting educational requirements for a specific professional license or certification required for an occupation, the student will be notified in writing (direct disclosure) if Blue Ridge's program meets, does not meet, OR if Blue Ridge has not made a determination regarding a state's educational requirements for licensure or certification.

For Continuing Education Students

Location at Time of Initial Enrollment

For Blue Ridge Community College Continuing Education (CE) enrollments, a student's location is determined at the time of registration. As part of the registration process, a student must designate a program or course of interest and current address.

The CE Operations Manager will produce a weekly report for out-of-state students enrolled in courses leading to a licensure, certification, or required industry credential. Within 14 days of registration, the CE Program Specialist or Program Director will notify the student in writing via email (direct disclosure) if Blue Ridge Community College's CE program or course does not meet the student's respective state's educational requirements or if Blue Ridge Community College is unable to make a determination.

Undocumented Individuals

The College admits undocumented individuals pursuant to the State Board of Community Colleges Code

1D SBCCC 400.2 and guidelines from the North Carolina Community College System as follows:

An undocumented immigrant with a diploma from a United States public high school, private high school, home school, or Adult High School that operates in compliance with state or local law is eligible to be admitted to Blue Ridge Community College. Undocumented individuals with a High School Equivalency Diploma do not meet these criteria and are ineligible for admission.

Undocumented students are required to pay the out-of-state tuition rate (see "NC Business Sponsor Exception for In-State Tuition" below for possible exceptions). Although undocumented students are required to pay the out-of-state tuition rate, they are still required to submit the RDS application prior to their Application for Admission.

A student who is lawfully present in the United States will always have priority for a space or program of study over a student who is an undocumented student. Undocumented students cannot enroll in a class or program of study for which there are waiting lists and must wait until the conclusion of the last published (i.e.,late) registration period to register for classes

Undocumented individuals who are high school students (public, private, or home school) in North Carolina who meet the eligibility criteria may enroll in college-level courses consistent with Career and College Promise guidelines.

Undocumented students may enroll in non-college level courses or programs including High School Equivalency Diploma preparation courses, Adult Basic Education, Adult High School, English as a Second Language, and other continuing education courses less than college level.

Undocumented or battered illegal aliens who have been determined to meet one of the qualifying conditions set forth in Federal Law, 8 USC Section 1641, are eligible for college-level courses. It is the applicant's responsibility to produce sufficient documentation to satisfy the College that the applicant is eligible for post-secondary education benefits.

Admission of Students with Deferred Action for Childhood Arrivals (DACA) Classification

The DACA Program is the recent ruling by the Federal Government that gives undocumented persons permission to live and to work in the U.S. and not be deported for a period of two years, even though they are not in the country legally.

Persons under the DACA Program have permission to work in the U.S. and are given Social Security numbers.

Persons under the DACA Program have a card, much like the Permanent Resident Card, however, the card confirms that they are allowed to work and not be deported, only for a period of two years. The card also confirms that persons under DACA have not been given a change in their legal status.

When persons under the DACA Program apply to Blue Ridge, a photocopy of their DACA card will be required.

In North Carolina, persons under the DACA program can study at Blue Ridge, but only under the same conditions as an undocumented person (Admission of Undocumented Individuals), with the exception that persons under the DACA Program can enroll with other lawfully present students during regular registration periods.

Persons under the DACA program are not eligible for federal financial aid.

Persons under the DACA program cannot receive in-state tuition (see "NC Business Sponsor Exception for In-State Tuition" below for possible exception).

Out-Of-State Students

Applicants classified as out-of-state for North Carolina tuition purposes are admitted under the same regulations as North Carolina residents. See also Residency for Tuition and Residency Determination Service.

NC Business Sponsor Exception for In-State Tuition

The General Assembly has enacted laws applicable only to community colleges that create an exception to the general requirements for in-state tuition. The Business Sponsor Exception, as it is called, states that "when an employer other than the Armed Forces...pays tuition for an employee to attend [a community college] and the employee works at a North Carolina business location, the employer shall be charged the in-state tuition rate." The requirements to take advantage of this exception are listed below:

The employer that will be sponsoring the student must provide a current Form W-9

The employer sponsoring the student must provide a letter, on company letterhead, stating that the student they wish to sponsor is indeed an employee of the company and that the company intends to pay in full for the student with a company check. This must be provided each semester.

The student must provide their two (2) most recent pay stubs from the sponsoring company. This must be provided each semester.

The Registrar's Office must have a copy of the student's Employment Authorization Card (EAC) with a valid date (applicable to DACA students only).

After verification of all the above documents by the Cashier's Office, the employer must provide a company check for payment in full of the student's tuition and fees for each semester.

Practicum/Clinical Requirements

Sites hosting Blue Ridge Community College students in practicum/clinical experiences may require a criminal background check, a medical release, immunization records, or additional requirements.

Provisional Students

Students applying too late to furnish pre-entrance requirements before the registration period may be permitted to enter the college as a provisional student after an interview with the Vice President for Student Services or a counselor. Once students have fulfilled all admission requirements (RDS, application, transcripts, and tests if required), they will be accepted in good standing. All students must fulfill these requirements by the end of their first semester.

Note: Students under the age of 18 who are high school graduates or equivalent must provide official transcripts at the time of Application for Admission.

Readmission

Students with credit from Blue Ridge Community College who withdraw for any reason before completing the requirements for a degree, diploma, or certificate may be readmitted by completing the RDS and submitting a College application if the student is returning after an absence of two or more semesters, excluding summer term. A conference with a counselor will be required for students returning after academic probation or suspension. Programs of study are under continuous review and course requirements are subject to change as students return after an absence of two or more semesters, excluding summer term. The current academic catalog determines program requirements. See also Academic Forgiveness and Academic Probation.

Admission: Associate Degree Nursing

1. Complete the RDS (Residency Determination Service) first to start your Admissions process. The Application for Admission cannot be submitted without first obtaining your RCN (Residency Certification Number). Students will need to select Associate in General Education—Nursing as their program of study. Once accepted into the Associate Degree Nursing program, students will be given an Allied Health Change of Program Form to declare their new program of study.
2. Demonstrate College readiness by appropriate developmental courses, College courses, SAT/ACT scores, NROC Placement Test, or RISE placement assignment.
   The following course work must be exempted or completed with a grade of "P:"
   MAT 003/BSP 4003 P2 – Transition Math
   ENG 002/BSP 4002 P2 – Transition English

   Placement testing is waived for applicants with an associate degree or higher, transferable College-level English and Math with a "C" grade or above, or acceptable SAT or ACT scores taken within the last ten years. Acceptable scores are an SAT score of 500 or above on Writing or Critical Reading and 500 or above in Mathematics if taken before March 2016; a score of 480 or higher on Evidence Based

Reading and Writing and a score of 530 on Mathematics if the SAT is taken after March 2016; or a minimum of 18 on ACT English or 22 on ACT Reading, or a minimum of 22 on ACT Mathematics.

Students who have graduated from an United States-based high school, and who have an unweighted HS GPA of 2.80 or higher, will be waived from placement testing.

3. Applicants pursuing the ADN program are required to submit official transcripts from all previously attended institutions. High school, high school equivalency, and college transcripts are all required. If additional coursework is completed after submission of transcripts, an official updated transcript must be submitted to Blue Ridge to ensure all possible transfer credit is awarded.
4. Complete high school Biology with a grade of "C" or higher. Complete high school Chemistry with a grade of "C" or higher.
   Students who have not met these requirements may do so by taking BIO 090 or BIO 110 or higher for the Biology requirement, and CHM 092 or CHM 131 or higher for the Chemistry requirement. These courses must be completed with a grade of "C" or better.
   If an applicant earned a High School Equivalency Diploma, requirements will be met with the following:
   Biology: A standard score of 150 or above on the Science Test
   Chemistry: The High School Equivalency Diploma has no chemistry equivalent; the applicant will be required to pass a College-Level Chemistry prior to application.
   If an applicant earned a GED, requirements will be met with the following:
   Biology: Standard score of 450 or above on Natural Science Test
   Chemistry: The High School Equivalency Diploma has no chemistry equivalent; the applicant will be required to pass a College-Level Chemistry prior to application.
   Applicants who are currently enrolled in high school taking these courses and anticipate completing grade requirements may continue with the application process.
5. Complete the Test of Essential Academic Skills (TEAS). A minimum composite score of 67 on the TEAS is required. The RIBN program requires a minimum composite score of 70. Students requiring special testing accommodations due to a documented disability must see the Director of Disability Services at least two weeks prior to test date.
6. Submit the completed Admission Requirements Checklist (ARC) to the Registrar's Office. A completed Checklist may also be submitted electronically to registrar@blueridge.edu. The entire document must be legible and contain a physical signature.

Candidates for admission to the program are ranked on a points-based system. Points are awarded according to a variety of factors, which may include the following: grade earned on Curriculum-related coursework, highest degree previously awarded, TEAS score, etc. Applicants with the highest overall points after ranking will be offered ADN program acceptance. The remaining ADN applicants will be placed on an alternate list in ranked order. Alternates will be contacted in order should space become available in the ADN program. Applicants who remain on the ADN Alternate list once the new ADN Nursing program cycle begins will not be carried over to a waiting list for the following year, and must reapply to the ADN program for the following year.

Program Specific Requirements:

Applicants will be ranked according to a variety of factors, which may include the following: grade earned on curriculum-related coursework, highest degree previously awarded, TEAS score, etc.

Students applying to the ADN program must complete a Nursing Assistant course with a State-approved curriculum such as a high school Allied Health Science program, or a Community College course. This course must include theory, lab, and a clinical component. Certification must be attained and the applicant must be listed on the N.C. Nurse Aide Registry prior to June 30, 2023. Hold a documented, current, unrestricted credential as a Nurse Aide I (NAI) from the North Carolina Nurse Aide Registry and the Division of Health Service Regulation. The applicant must also have current American Heart Association – Basic Life Support (AHA-BLS) documentation.

Required Documentation:

Listing on Registry: Refer to North Carolina Nurse Aide Registry www.ncnar.org. Print a copy of your listing and expiration date (must be unrestricted).

AHA-BLS (CPR): A copy of your valid card.

Admission Point Allocation:

Points will only be given for courses completed with an "A," "B," or "C" on the first completed attempt only. Withdrawn courses will not count as completed coursework.

For applicants enrolled at a NC community college other than Blue Ridge, the following courses will be substituted: BIO 165/166 for BIO 168/169. The BIO 165/166 sequence must be completed at the same College or University in order to receive credit. Microbiology can be transferred if taken within five (5) years of the application to the ADN program.

Applicants will receive points for successfully completing courses that are part of the ADN curriculum.

Notification Procedure:

Notification letters for program acceptance will be mailed by June 1, 2023. Applicants who did not meet requirements, were not accepted, or declined admission must reapply to the ADN program for the following year. Applicants who remain on the Alternate list once the 2023 ADN Nursing program cycle begins will not be carried over to a waiting list for the following year, and must reapply to the ADN program for the following year.

Students selected will be notified when to complete the following information:

- Student Medical Form must be submitted at least thirty (30) days prior to entering the Fall 2023 core Nursing classes. The medical form must verify acceptable levels of immunizations, physical health, and mental health. Failure to complete every aspect of the form may delay entry into the program.
- The Student must maintain a 2.00 GPA or higher throughout the duration of the ADN program, and a "C" or better in all NUR courses. A student must earn a grade of "C" or better in each required course in the major to remain in the program.
- Clinical agency requirements include a criminal background check and drug screening. This is a requirement of the agencies and not the ADN program. Information regarding the agency requirements will be provided at the time of registration for Fall classes. Clinical agencies reserve the right to deny a student access to the facility based on the failure to meet the above requirements. If a student is denied access to any clinical agency, the student may not be allowed to continue in the nursing program. Additional requirements may be required based upon the clinical agencies utilized for clinical sites.

Admission: Associate Degree Nursing Regionally Increasing Baccalaureate Nurses (RIBN) Option

The RIBN option is a dual admission program offered in collaboration with Western Carolina University (WCU). Students are accepted into and take courses at both Blue Ridge Community College and WCU during enrollment in the RIBN option.

Students are required to complete the following:

- For retention in RIBN, students must take and pass with a grade of "C" or better in all required courses and a cumulative G.P.A. of 2.25 for progression in the program and the student must demonstrate professional and safe nursing practice
- RIBN has a three-year and four-year program progression option. Year I students enroll in general education courses at Blue Ridge and WCU as advised by the RIBN Program Advisor. After successful completion of Year I curriculum RIBN students will progress into the ADN program as a Year II RIBN student (Year I ADN). Year II and III students maintain enrollment in the ADN program at Blue Ridge and WCU courses as advised by the RIBN Program Advisor. After graduation from the ADN program, Year IV classes are taken at WCU to complete the BSN program.
- By June of Year II, provide documentation of successful completion of a North Carolina approved Nurse Aide I Program which includes theory, lab, and clinical components. A copy of a college transcript or a notarized course completion certificate will be acceptable documentation.
- Hold a documented, current, unrestricted credential as a Nurse Aide I (NAI) from the North Carolina Nurse Aide Registry and the Division of Health Service Regulation.
- Successfully pass NCLEX - RN to progress to Year IV.

See the RIBN Program Advisor for the recommended course sequence.

Admission: Basic Law Enforcement Training Program

Basic Law Enforcement Training Admission Procedures

Applicants for admission to the Basic Law Enforcement Training (BLET) Program must:

1. Have graduated from high school or have an Adult High School Diploma or have passed the High School Equivalency Diploma with an equivalency certificate that meets the minimum requirements set by the State of North Carolina.
2. Pass a reading test with a 10th-grade level or higher score (administered by staff prior to admission).
3. Complete a Reading Test and score at a 10th-grade reading level or higher. This test will be administered by staff prior to admission.
4. Possess a valid North Carolina driver's license.
5. Meet the minimum standards for employment as established by the NC Criminal Justice Education and Training Standards Commission and /or the NC Sheriffs' Education and Training Standards Commission which include:

- Be a citizen of the United States;
- Be at least 20 years of age (must be 20 years of age as of the first day of class or have prior written authorization from the Director of the Criminal Justice Standards Division if less than 20 years old);
- Be of good moral character;
- Be free of any convictions of any serious crimes, civilian or military; recent convictions of driving while impaired or under the influence; or major motor vehicle law infractions;
- Be examined and certified by a licensed physician or surgeon to meet the physical requirements necessary to perform the functions of a law enforcement officer.

- Have not ever committed or been convicted of any of the following:
  a felony;
  A crime for which the punishment could have been imprisonment for more than two years;
  A crime or unlawful act for which the punishment could have been imprisonment for more than six months but less than two years and the crime or unlawful act occurred within the last five years;
  Four or more crimes or unlawful acts described in "c" above regardless of the date of occurrence; or;
  Four or more crimes or unlawful acts for which the punishment could have been imprisonment for less than six months.

Final approval to begin the program is contingent upon meeting admissions requirements, acceptable health certification, and proof that all minimum standards of the NC Criminal Justice Education and Training Standards Commission and/or the NC Sheriffs' Education and Training Standards Commission are met.

Prior to enrollment in the BLET program, an accepted applicant must provide the BLET Coordinator with a Medical Examination Report (Form F-1 and F-2) completed by a physician licensed to practice medicine in North Carolina. The Medical Examination Report must include a Cholesterol Screening Report and Medical Release Form for Basic Law Enforcement Training. Medical forms will be provided to applicants upon determination of their eligibility to enroll in the BLET program.

Interested applicants should follow these steps to apply for the Basic Law Enforcement Program:

1. Obtain a BLET application packet from the program webpage and schedule a Reading Test with a law enforcement program area staff member.
2. Complete the Application for Admission.
3. Schedule an appointment with the BLET Coordinator, named on the face of the application. At this interview, the applicant will submit the application.

Each applicant is interviewed by the BLET Coordinator. The interview is used to determine if the applicant meets minimum standards for employment as established by the NC Training Standards Commission and if the applicant is free of conviction of any serious crimes, civilian or military; recent convictions of driving while impaired or under the influence; and major motor vehicle law infractions and to determine the disposition of such charges. At the interview, the applicant will be given additional information relative to details of the schedule, the total cost of the program, attendance policy, etc. The applicant will be required to sign waivers that allow the applicant to participate in the training.

Surgical Technology Admission Procedures

Level I: Surgical Technology Degree Program

All Surgical Technology applicants must complete the requirements listed in steps 1-5.

1. Complete the Residency Determination Service (RDS) to obtain a Residency Certification Number (RCN) to start the admissions process. The Application for Admission cannot be submitted without an RCN.
2. Submit a Blue Ridge Application for Admission. If you have applied to Blue Ridge Community College previously or have taken Curriculum courses here before, you will need to update your information by completing a Blue Ridge application available on our website. Students will need to select General Education-Surgical Technology as their program of study. Once accepted into the program, students will be given an Allied Health-Change of Program Form during orientation to declare Surgical Technology as their program of study.
3. Applicants pursuing the Surgical Technology program are required to submit official transcripts from all previously attended institutions. High School, High School Equivalency, and College transcripts are all required.
4. If additional coursework is completed after submission of transcripts, an official updated transcript must be submitted to Blue Ridge to ensure all possible transfer credit is awarded.
5. Complete BIO 090 or high school Biology with a grade of "C" or higher. A College-Level Biology of BIO 110 or higher will waive the BIO 090 requirement. For High School Equivalency Diploma: A standard score of 150 or above on the Science Test will count as one unit of Biology. For GED, a standard score of 450 or above on the Natural Science Test will count as one unit of Biology.
   Students who do not meet the Biology requirement can do so by taking BIO 090 Foundations of Biology. All courses must be completed with a grade of "C" or higher in order to meet these high school requirements.
   Applicants who are currently enrolled in high school, taking these courses and anticipating completing the grade and course requirements may continue with the application process. Students enrolled in high school should request that the high school mail a final transcript to Blue Ridge as soon as possible upon graduation.
6. Demonstrate College readiness by appropriate developmental courses, College courses, SAT/ACT scores, NROC Placement Test, or RISE placement assignment. The following course work must be exempted or completed with a grade of "P:"
   MAT 003/BSP 4003 P2 – Transition Math
   ENG 002/BSP 4002 P2 – Transition English

7. Placement testing is waived for applicants with an associate degree or higher, transferable College-level English and Math with a "C" grade or above, or acceptable SAT or ACT scores taken within the last 10 years. Acceptable scores are an SAT score of 500 or above on Writing or Critical Reading and 500 or above in Mathematics if taken before March 2016; a score of 480 or higher on Evidence Based Reading and Writing and a score of 530 on Mathematics if the SAT is taken after March 2016; or a minimum of 18 on ACT English or 22 on ACT Reading, or a minimum of 22 on ACT Mathematics.
8. Anatomy and Physiology I (BIO 168) and Anatomy and Physiology II (BIO 169) must be completed prior to entry into the program. Both Anatomy and Physiology I and II (BIO 168/169) must be completed with a grade of "C" or higher.
9. The student must maintain a Program GPA of 2.00 or higher throughout the duration of the Surgical Technology program, and a "C" or better in all SUR and BIO courses.
10. Attend one of the scheduled Surgical Technology Information Sessions to receive important information about the curriculum and career in Surgical Technology. Dates will be posted in the application package.
11. Submit the completed Admission Requirements Checklist (ARC) before the deadline to the Registrar's Office.

Applicants meeting the above requirements will receive notification of their acceptance into the Surgical Technology program by the program director. Once accepted, and if the program is filled, a waiting list of applicants will be formulated. A medical form verifying acceptable levels of immunization, physical health, and mental health will be required prior to entering surgical technology core courses in the fall.

Additional requirements may be required based upon the clinical agencies utilized for clinical sites.

Level II: Surgical Technology - Associate Degree Bridge Program

This program is designed for students who have graduated with their Surgical Technology diploma and wish to continue their education with the Surgical Technology associate degree. In addition to meeting the Surgical Technology program's admissions requirements listed under Level 1, the applicant must complete the requirements listed in steps 1-5:

1. Make an appointment with the Surgical Technology Program Faculty.
2. Successfully pass the National Certification Exam and provide proof of current CST card.
3. Present proof of current American Heart Association Cardiopulmonary Resuscitation Healthcare Provider level certification.
4. Documentation of 500 hours or more work experience or documentation of having been the primary scrub on 125 cases or successful completion of the SUR 212 course.
5. If a diploma is earned from an institution other than Blue Ridge Community College, two professional references will be required. Forms will be provided by Program Faculty.

Additional requirements may be required based upon the clinical agencies utilized for clinical sites.

Emergency Medical Science Admission Procedures

Attend a program information session after completion of Emergency Medical Technician. Dates and times will be sent to applicants.

Complete the RDS (Residency Determination Service) first to start your Admissions process. The Application for Admission cannot be submitted without first obtaining your RCN (Residency Certification Number).

Complete an application for the Associate in General Occupational Technology-Pre-Paramedic program.

Meet with an academic advisor or program director from the Department for EMS Education. The academic advisor will review the student's record, advising them on how to meet the state's eligibility requirements for successful entry into the program. Eligibility requirements will include:

Completing a Student Medical Form provided by the Department for EMS Education, documenting satisfactory emotional and physical health

Immunizations required by clinical agencies, criminal background checks, and drug screening

Once eligibility requirements are met, students will be given an Allied Health-Change of Program Form, signed by their advisor, to declare Emergency Medical Science as their program of study.

Students admitted to the Emergency Medical Science Program:

In addition to maintaining a 2.0 GPA and earning a minimum grade of "C" in all EMS and other related curriculum courses, students must comply with current clinical affiliation agreements.

Clinical agencies reserve the right to deny a student access to the facility based on failure to meet the above requirements. If a student is denied access to any clinical agency, the student will not be allowed to continue in the Emergency Medical Science program. Detailed information regarding these agency requirements will be provided during an information session. Failure to comply with current clinical affiliation agreements may prevent the student from completing the program and obtaining certification.

Career and College Promise Enrollment Requirements

A North Carolina high school student may enroll in a course(s) at Blue Ridge Community College through Career and College Promise (CCP), provided that the student meets one of the following sets of criteria:

College Transfer Pathway Qualifications

For students wishing to take Career and College Promise classes under the College Transfer Pathways (Associate in Arts, Associate in Fine Arts in Theatre, Associate in Science, Associate in Engineering, Associate in Arts Teacher Preparation, Associate in Science Teacher Preparation, or the Associate in Nursing) the student must:

Be a high school Freshman or Sophomore and meet all the requirements in either Option 1 or Option 2 listed below.

Option 1:

1. Be identified as academically or intellectually gifted in English, reading, and math as outlined in the local board of education's Academically and Intellectually Gifted (AIG) local plan (General Statute 115c-150.7); and
2. Demonstrate college readiness in English, reading, and mathematics by meeting benchmarks on diagnostic assessment tests which have been approved by the State Board of Community Colleges; and
3. Have the recommendation of the high school principal or equivalent administrator and his/her rationale for recommendation verifying the student's maturity to justify admission to the community college, have the recommendation of the academically gifted coordinator if one is employed by the local school administrative unit, and have the recommendation of the community college president; and
4. Have the written consent of the student's parent or guardian granting permission for the student to participate in CCP; and
5. Participate in academic advising focused on the implications of being admitted to college early with representatives from the high school and the community college prior to enrollment in the CCP program.

Option 2:

1. Be identified as academically or intellectually gifted in English, reading, and math on an aptitude and achievement test as evidenced by a score in the range between the 92nd percentile and the 99th percentile on an aptitude and an achievement test included in the Mental Measurements Yearbook published by the Buros Institute of Mental Measurements; and
2. Demonstrate college readiness in English, reading, and mathematics by meeting benchmarks on diagnostic assessment tests which have been approved by the State Board of Community Colleges; and
3. Have the recommendation of the high school principal or equivalent administrator and his/her rationale for recommendation verifying the student's maturity to justify admission to the community college, have the recommendation of the academically gifted coordinator if one is employed by the local school administrative unit, and have the recommendation of the community college president; and
4. Have the written consent of the student's parent or guardian granting permission for the student to participate in CCP; and
5. Participate in academic advising focused on the implications of being admitted to college early with representatives from the high school and the community college prior to enrollment in the CCP program.

Be a high school Junior or Senior and:

1. Have an unweighted high school GPA of 2.8 on high school courses; or
2. Demonstrate college readiness in English, reading, and mathematics on an assessment or placement test.

Career Technical Pathway Qualifications

For students wishing to take classes under one of the Career and Technical Education Pathway programs of study, the student must:

Be a high school Freshman or Sophomore and meet all the requirements in either Option 1 or Option 2 listed below.

Option 1:

1. Have the recommendation of the high school principal or his/her designee (assessment scores should be considered); and recommendation of the college's Chief Academic Officer or Chief Student Development Administrator; and
2. Pass Math I with a grade of C or better; and
3. Score a 3, 4, or 5 on the End of Course assessment (EOC) for Math I; and
4. Score a 3, 4, or 5 on the 8th grade End of Grade ELA assessment; and
5. Enroll in Engineering, Industrial, Agriculture and Natural Resources, Transportation Systems Technologies, Construction Technologies, or Business Technologies programs.

Option 2:

1. Have the recommendation of the high school principal or his/her designee (assessment scores should be considered); and recommendation of the college's Chief Academic Officer or Chief Student Development Administrator; and
2. Demonstrate college readiness in English, reading and mathematics on an assessment or placement test; and

3. Enroll in Engineering, Industrial, Agriculture and Natural Resources, Transportation Systems Technologies, Construction Technologies, or Business Technologies programs.
   *Freshmen and Sophomores may not enroll in any CTE pathways that contain UGETC (Universal General Education Transfer Component) courses.

Be a high school Junior or Senior and:

1. Have an unweighted GPA of 2.8 on high school courses; or demonstrate college readiness in English, reading and mathematics on an assessment or placement test; or have a recommendation of the high school principal or his/her designee and his/her rationale for recommendation in place of GPA requirement (assessment scores should be considered) and have the recommendation of the college's Chief Academic Officer or Chief Student Development Administrator; and
2. If the pathway requires any course on the UGETC (Universal General Education Transfer Component) list, the same criteria for the transfer pathway will be required.

Recommendation will not be allowed for CTE pathways that include UGETC (Universal General Education Transfer Component) course(s) included in the pathways.

Tuition is waived for high school students taking courses under an approved Career and College Promise Pathway. However, high school students are responsible for fees, course supplies, textbooks, and their own transportation to and from the Blue Ridge Community College Henderson County Campus and the Transylvania County Campus.

All other applicable College regulations apply to high school students upon their admission to Blue Ridge Community College.

All other provisions of the North Carolina Administrative Code and the Manual on Cooperative Programs in North Carolina High Schools and Community Colleges apply to high school students. For further information and how to apply, contact Student Services on either campus.

Career and College Promise Admission Procedure

1. Submit a Career & College Promise application request. Submit the following information to **ccp@blueridge.edu**: Student Name, High School, Student Email Address, Parent Name, and Parent Email Address. The Career & College Promise Application will be generated by the Career Coach and signed electronically **via DocuSign**. The form will be signed in order by a student, parent, and high school representative.
   High School Pathways: in high school, students may only take courses from the high school pathway in which they are enrolled. Please review the pathways in our catalog found here and select the pathway on your application that contains the courses you are interested in. Ask a Career Coach if you're not sure!
2. Public School students: please meet with Career Coach or High School Counselor to retrieve a copy of your transcript.
   Homeschool students: please email a copy of your transcript and homeschool registration to **ccp@blueridge.edu**
3. To register for your semester courses, contact your career coach to schedule an in-person, virtual, or phone meeting. Please be familiar with your pathway from Step 1. Find your Career Coach at **blueridge.edu/programs-courses/high-school-programs/**. You will register with your Career Coach for each semester in the program.
4. Tuition is waived for high school students taking courses under an approved CCP Pathway, but students are still required to pay for course fees. To avoid being dropped from classes, fees can be paid by mailing a check, paying online via my.blueridge.edu, or in person at the cashier's office in the Sink Building. Find more information about tuition and fee payments at **blueridge.edu/waystopay**.

Advising and Registration

Dates for registration will be published prior to the beginning of each semester. Students are expected to register on the day or days specified for each semester. In cases of late registration, absences will be counted beginning with the student's registration.

The College reserves the right to cancel any curriculum or course for reasons of insufficient enrollment or lack of funds.

Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request

Academic Advising

This institution views student advisement as one of its most important functions. Each student is assigned an academic advisor who is usually a faculty member from the curriculum in which the student is enrolled. Advisors assist students in selecting and scheduling appropriate classes and developing future academic and career plans. Advisors may also refer students to other available campus resources.

First semester College Transfer students will meet with Counselors in Student Services to be advised. All other students will meet with their academic advisor.

Students are required to meet with their academic advisor each semester for assistance in completing a Course Plan on Blue Ridge's online myBlueRidge system. Advisors' office hours are posted on their office doors and on the College website. It is important that students realize that it is ultimately their responsibility to familiarize themselves with specific course and program requirements so that they may complete their goals while enrolled at the College.

Career and College Promise (CCP) students are expected to work with their Career Coach every semester to register for courses. High school students are to contact their Career Coach to schedule an in-person, virtual, or phone meeting to register for courses in the approved CCP pathways.

Note: ACA 122 College Transfer Success is a required course for all degree and diploma programs at Blue Ridge. ACA 122 is part of the Comprehensive Articulation Agreement for transferability and must be taken by all students in transfer programs. Students should take the ACA course for their program in their first semester but no later than their second semester. Students who are enrolled as special credit students should take this course before they have completed 12 semester hours.

Bookstore

New and used textbooks and school supplies are available in the College Bookstore located in the Killian Building on the Henderson County Campus and the Student Center at the Transylvania County Campus. Books may also be purchased online at

blueridge.bncollege.com. Pursuant to the Higher Education Opportunity Act, Blue Ridge Community College is required to share required textbook information (ISBN number and retail price) with students at the time they register for classes. This information can be found on the Blue Ridge Community College Bookstore website at blueridge.bncollege.com.

Orientation

New Student Orientation (NSO)

To promote rapid and sound adjustment to the educational philosophy, program, and standards of the College, new curriculum students are required to participate in an orientation program prior to registration. The New Student Orientation can be completed in a face-to-face session or accessed online via the College's online Learning Management System (LMS).

Student Online Learning Orientation (SOLO)

All students taking an online course will be required to complete the student online learning orientation (SOLO) prior to accessing their online course. The course only needs to be completed once to allow access to all current and future online courses. SOLO can be found within your course list located in the College's online Learning Management System (LMS).

Prerequisites/Corequisites

Prerequisites

Prerequisites include developmental coursework as prescribed by placement testing, the preceding course in a sequence of courses, or a high school course. Certain programs require prerequisite courses to be completed prior to fall enrollment. The advisor and the student must discuss the waiver of any course prerequisite; any request must be made prior to the process. There must be adequate documentation, which demonstrates that the student has the ability to be successful in the course materials. Developmental course prerequisites, however, may not be waived.

The decision to waive a prerequisite course will be made by the appropriate dean after consultation with the student's advisor, the department faculty, and the student. The Vice President for Instruction, who will provide written notice to the Registrar, must approve the decision.

If a student registers for a course without meeting the prerequisite(s), the student will be officially dropped prior to the first day of class unless a waiver is granted.

Corequisites

In some cases, corequisites must be taken at the same time, such as CHM 131 and CHM 131A. In other cases, the corequisite course must be taken prior to or in the same semester as the course for which it is a corequisite. Exceptions may be approved by the appropriate dean and will be documented in the student's academic file.

Registration for Continuing Education Students

Pre-registration for continuing education classes can be made in person, online, or by mail with enrollment available on a first-come, first-served basis. Late registration is held at the first class meeting if space is available. Healthcare class registration must be made in person.

Special Credit Students

Students who do not wish to apply for a degree, diploma, or certificate program may enroll for individual curriculum courses upon completion of an application for admission and documentation (transcripts) of prerequisite coursework, if applicable. Special credit students who later wish to enroll in a program of study must complete all admission requirements and declare a program of study. Credit earned as a special credit student may be applied to program requirements, if appropriate. Special credit students do not qualify for financial aid.

Student Classification

A full-time student is a student enrolled in a given semester with twelve (12) or more semester hours of credit. A part-time student is a student enrolled with fewer than twelve (12) semester hours of credit. A freshman is a student who has completed less than half the required credit hours of an associate degree program and a sophomore is a student who has completed half or more of the required credit hours of an associate degree program.

Withdrawals from Courses

This policy applies to all Blue Ridge Community College curriculum courses.

Voluntary Withdrawals from Curriculum Courses

A student may only drop a class for a partial refund on or before the official 10% date of the semester. After the schedule adjustment period (first three class days of the Fall and Spring semesters, first two days of the Summer semester), students who drop one or more of their courses on or before the official 10% date of the term must log into myBlueRidge to drop the course(s). In the case of drops prior to the official 10% date of the semester, the course(s) will not be included on the transcript.

Students officially withdrawing from a course after the official 10% date of the semester must communicate with the instructor of the course or the appropriate Chair or Dean.

If a student fails to attend during the entire last 10% of the course, the grade that the student earns will be the final grade assigned. Students may not voluntarily withdraw from a class during the final 10% of the term. The instructor may make exceptions in cases of extenuating circumstances such as serious illness or job transfer and award a grade of "W" during the final 10% of the term. These exceptions must be approved by the appropriate Dean or Vice President for Instruction.

In the case of a withdrawal, the student will receive a grade of NS or W, which will not influence the grade point average, but will appear on the student's official transcript.

Students receiving financial aid should notify the Financial Aid Office if they withdraw from a course or withdraw from the College.

Involuntary Withdrawals from Curriculum Courses

Students who register for a course and do not attend classes prior to 10% of the contact hours of the course will be withdrawn by the instructor.

Any student who accumulates absences in excess of 10% of the course contact hours may be withdrawn from the class.

Tuition and Fees

Residency for Tuition

The state of North Carolina partially subsidizes the cost of North Carolina public college and university tuition for all students whose domicile, or permanent legal residence, is in North Carolina. Residency determination establishes if students should have in-state or out-of-state tuition. Because North Carolina residency status is governed solely by North Carolina statute, lack of eligibility for in-state status in another state does not guarantee in-state status in North Carolina. The residency statute mandates only those who can demonstrate a minimum of twelve months of uninterrupted domicile (legal residence) in North Carolina are eligible for in-state tuition. The statute also places the burden of proof on the student to establish, by a preponderance of evidence, that they are a bona fide domiciliary rather than mere residents of North Carolina. See Residency Determination Service.

Tuition and fees paid by students do not represent the total operating expenses of the College. The balance is provided by local, state, and federal tax funds.

Tuition for Curriculum Students

Tuition rates for Blue Ridge Community College are established by the North Carolina General Assembly.

These rates are subject to change.

Resident of N.C.

$76 per semester hour

16 or more semester hours $1,216

Non-resident

$268 per semester hour

16 or more semester hours $4,288

Fees and Other Expenses for Curriculum Students

Student Activity Fee $35

The student activity fee is applicable to all curriculum students and is non-refundable after the 100% refund period. This fee will be charged for Fall and Spring semesters only. Some exceptions apply.

Accident Insurance Fee $1.30

Students are required to take limited coverage accident insurance while enrolled. The amount varies each year. The accident insurance fee is waived for students taking only distance education classes which do not require attendance on campus. This insurance fee is not refundable after the 100% refund period. Due to the changing nature of the insurance industry, types of policies and rates are subject to change without notice. Blue Ridge Community College is not liable for injury suffered by students while participating in classes, shop work, or other school activities.

Transcript Fee (official copy)

The fee for an official transcript is $5.
An unofficial transcript can be obtained through myBlueRidge at no fee.

Technology Fee

The Technology Fee is non-refundable after the 100% refund period. The fee is charged each semester:

- 16 or more semester hours $48
- 1 - 15 semester hours $3/per semester hour

Professional Liability Fee

This coverage is for students taking part in personal service or medical-related situations such as clinical experiences and varies depending on the program.

- Associate Degree Nursing = $15
- Surgical Technology = $15
- Emergency Medical Science = $74
- Cosmetology = $10/per course

Pre-Enrollment Placement Test Retest Fee

The fee for the Pre-Enrollment Placement Test Retest is $5 per unit.

Graduation Fee

The Graduation Fee for curriculum students is $20 and covers graduation expenses for degrees, diplomas, and certificates. It is payable during registration for the semester in which the student expects to complete a program of study. Invitations, caps, and gowns may be purchased at the student's expense in the College Bookstore prior to graduation.

A $10 graduation fee is charged to basic law enforcement students.

A $15 graduation fee is charged to paramedic students.

College Access, Parking and Security (CAPS) Fee

- Fall Semester = $25
- Spring Semester = $25
- Summer Term = $15

The CAPS fee is applicable to curriculum students however, some exceptions apply. It is non-refundable after the 100% refund period.

Course Fees

Other course fees may apply. A detailed schedule of course fees is available on the College website.

Online Learning

There are no fees solely associated with online learning courses or with verification of student identity.

Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request

Textbooks, Supplies, and Tools Varies

Costs for textbooks, supplies, and tools are variable depending on the student's enrollment status and program. Students are required to have the textbooks, supplies, and tools prescribed in the curriculum program they are entering. New and used textbooks and school supplies are available in the College Bookstore located in the Killian Building on the Henderson County Campus and the Student Center at the Transylvania County Campus.

Books may be purchased online at blueridge.bncollege.com. Pursuant to the Higher Education Opportunity Act, Blue Ridge Community College is required to share required textbook information (ISBN number and retail price) with students at the time they register for classes. This information can be found on the Blue Ridge Community College Bookstore website at blueridge.bncollege.com.

Payment of Tuition and Fees

Tuition and fees must be paid in full or deferred through the College tuition payment plan by the published tuition payment deadline or the student's schedule will be deleted. Qualified high school students who are enrolled at least half-time in high school courses are exempt from tuition for select courses. However, all students are required to pay the student accident insurance fee, technology fee, the activity fee, the CAPS fee, and any specific course fees that may apply. If high school students are enrolled in Blue Ridge Community College courses offered on a high school campus, the student accident insurance fee, the activity fee, and the technology fee may be waived. The student accident insurance fee may also be waived for the distance learning student who does not attend the Blue Ridge Community College campus. However, it is the responsibility of the student to notify the business office of the high school or distance learning status at the time charges are paid.

Deferred Payment Plan

The College offers a deferred payment plan for curriculum students in the Fall and Spring Semesters. The amount of tuition and fees that can be deferred is determined by the amount due and deferred payment plan enrollment date. Enrollment and service fees may apply. The Deferred Payment Plan is not available for the summer term. Information is available from the Cashier/Student Accounts Office or faculty advisors.

Fulfillment of Financial Obligations

Students are responsible for any and all amounts due on their account. Continuing Education students must pay all required course fees or provide an authorization letter for sponsor payment at the time of registration for the course. Curriculum students must pay all tuition and fees in full, officially enrolled in the Deferred Payment Plan (Fall and Spring semesters only), have pending financial aid showing on their account, or provide an authorization letter for sponsor payment by the payment deadlines published for each semester. Curriculum students are considered to have a past due balance if a balance is still due on their account after the published payment deadline or on the last day of the academic semester for which the charges are incurred. This balance could have resulted from failure to adhere to the conditions of the Deferred Payment Plan, financial aid was reduced or revoked, or a sponsor declined payment for any reason.

Failure to pay any past due balance in full may result in:

- Inability to register for any classes
- Inability to receive grades or official transcripts
- The account may be turned over to the North Carolina Department of Revenue for collection
- The account may be turned over to a collection agency where credit could be adversely affected

Attempts are made during the semester for collection through billing statements that are to be mailed for all outstanding accounts. Past due accounts will have a second notice mailed at the end of the semester. If no collection is made within 30 days of the second notice, a third and final personal letter will be sent. The letter will detail the date, purpose and amount of the debt as well as advise the student of the State policy regarding grades, transcripts, and registration for future classes.

If the above procedure fails within 30 days the following collection options are available to the College based on the amount past due:

Any account over sixty (60) days past due may be turned over to the NC Department of Revenue, Set-Off Debt Unit, to collect from applicable NC State Tax Refund until the account is paid in full. This is in accordance with G.S. Chapter 105A of the North Carolina General Statutes, Set-Off Debt Collection Act.

Any account over sixty (60) days past due may be turned over to a collection agency where a student's credit may be adversely affected. Once the account has been submitted to a Collection Agency, payment must be remitted to them directly.

Payment plans and/or other payment arrangements are not available to past due accounts.

Fees for Career and College Promise Students

Tuition is waived for high school students taking courses under an approved Career and College Promise Pathway. However, high school students are responsible for fees, course supplies, textbooks, and their own transportation to and from the Blue Ridge Community College Henderson County Campus and the Transylvania County Campus.

Fees for Continuing Education Students

To comply with North Carolina law, nominal registration fees are charged for continuing education courses. The fee for each course is indicated in the schedule of courses and usually ranges from $65 to $175. There is no charge for volunteer rescue and lifesaving personnel or local law enforcement officers for their special extension training programs. Students are responsible for buying supplies and materials as necessary. Basic Skills programs are provided at no charge to the participants.

The registration fee for continuing education computer classes includes a $5 computer use and technology fee. This is required and is non-refundable after the 100% refund period.

A $10 graduation fee is charged to basic law enforcement students. A $15 graduation fee is charged to paramedic students.

In some cases, allied health and emergency medical courses may carry additional costs such as professional liability fees and course lab fees. A complete list of fees is available from the program director/coordinator upon request.

Tax Information

There may be tax credits or deductions claimed by the student and/or parent in the form of education credits, tuition, and fees deduction, and student loan interest deduction. In addition, some awarded grants and scholarships may be subject to taxation as taxable income. Students should consult their tax advisor or visit the IRS website irs.gov for detailed tax information.

Collection of Social Security Numbers

Blue Ridge Community College is required to collect a Social Security Number (SSN) or Taxpayer Identification Number (TIN) from all degree-seeking students in accordance with Internal Revenue Service (IRS) regulation §1.6050S-1(e). The IRS also requires the College to notify all degree-seeking students that if they choose not to disclose their SSN or TIN, they may personally be subject to a $100 penalty imposed by the Internal Revenue Service.

All degree-seeking students will be asked to supply their SSN or TIN accurately on the Admissions application. When completing the admissions application, students should use the legal name as it appears on their Social Security Card or Taxpayer Identification.

A student's social security number will be used on Tax Form 1098-T to correctly report tuition and fee payments to the Internal Revenue Service each year. If the SSN or TIN submitted on an admissions application is incorrect, students may complete IRS Form W-9S and submit to the Registrar's Office. Additional information concerning IRS Form 1098-T is available on the College's website.

Tuition Refund Policy—Curriculum Students

1 E SBCCC 900.1 in the State Board of Community Colleges Code states that a 100% refund of tuition shall be made if the student officially withdraws prior to the first day of classes of the semester as noted in the college calendar. A student may drop a class for a partial (75%) refund of the tuition only amount on or after the first day of classes and on or before the official 10% date of the semester.

During the schedule adjustment period, which is the first three class days of the semester, students should see their adviser and sign a drop/add card to receive a refund. After the schedule adjustment period, students who drop one or more of their courses on or before the official 10% date of the term must log into myBlueRidge to drop the course(s). In the case of drops prior to the official 10% date of the semester, the course(s) will not be included on the transcript.

Students officially withdrawing from a course after the official 10% date of the semester must see the instructor of the course or the appropriate Dean.

Refunds for official withdrawals from classes beginning later in the semester than the scheduled date in the academic calendar (e.g., telecourse and second session classes) are as follows: 100% if officially withdrawn before the first day the class meets; 75% of the tuition only amount if officially withdrawn prior to or on the 10% point of class. Student fees are not refundable. Questions about the College tuition refund policy should be directed to the Vice President for Student Services. Requests for refunds will not be considered after the 10% point.

If a class is canceled, the student will receive a 100% refund.

Refunds will be made to the payee's card if paid by debit or credit. If paid by cash, check or financial aid, refunds will be processed by a check from Blue Ridge Community College and mailed to the student at the current address on file in the Registrar's Office.

Federal regulations require a refund calculation for all students receiving Title IV funds who officially withdraw from the semester on or before the 60% point in the semester. Students earn a portion of the Title IV funds on a ratio of the number of calendar days attended and the number of calendar days in the term. Unearned federal aid will be returned in the following order: Federal Direct Loan, Federal \PLUS Loan, Pell Grant, and SEOG. NC monies will be returned according to state regulations. Institutional and outside scholarships will be fully applied to the student's account, unless otherwise restricted.

If there is a student account balance resulting from these adjustments, the student is responsible for payment.

Tuition Refund Policy—Continuing Education Students

The College may refund continuing education registration fees under the following circumstances:

If a student officially withdraws from the class prior to the first class session, the student will receive a 100% refund.

If a class is canceled due to insufficient enrollment, the student will receive a 100% refund.

After a class begins and a student officially withdraws from the class prior to or on the 10% point of the scheduled hours, the student will receive a 75% refund of the registration fee (no additional fees).

This refund is limited to the fees paid and does not include textbooks or supplies.

Students should request a refund in writing, by email, or complete a Course Withdrawal Form. Course Withdrawal forms must be received by the Continuing Education Office on or prior to the deadlines listed above before a refund can be initiated. Forms are available at the Continuing Education Office or on the College website.

Financial Aid

Students may receive assistance through federal programs, state programs, institutional programs, and local scholarship funds. Funds may also be available for veterans and children or spouses of deceased or disabled veterans through the Department of Veterans Affairs. Students should be aware that some certificate curriculum programs are not eligible for federal or state financial aid, and some diploma curriculum programs are only eligible for a prorated amount of federal financial aid. Students should check with the Financial Aid Office to see if their program of study is one of those affected.

The initial application for financial aid should be made at the time of applying for admission to the College. Processing the results of the Free Application for Federal Student Aid (FAFSA) takes approximately two weeks; however, it may take longer if verification of information is required and corrections processed. Financial aid applications must be filed every year. Priority dates for having financial aid files completed in order to cover charges for that term are July 29 (Fall Semester), December 10 (Spring Semester), and April 29 (Summer Term). A financial aid file is considered 'complete' when a processed FAFSA with a calculated EFC is on file, all verification documents required have been received for review, and all eligibility criteria are met. If students do not meet those dates, another payment arrangement should be made in order to hold classes; however, financial aid will continue to be processed. The Blue Ridge Community College Federal School code number is 009684. The Free Application for Federal Student Aid may be completed online at studentaid.gov.

In order to receive financial aid, students must also enroll in an eligible program, be a high school/High School Equivalency Diploma/AHS graduate, be a U.S. citizen or eligible non-citizen, and not be in default on a federal loan or owe on a Pell Grant overpayment. Special credit status does not qualify as an eligible program. In addition, a student must maintain Satisfactory Academic Progress (see below).

The College is required by Federal regulations to verify the application data provided by some students. Financial aid applicants should utilize the IRS Data Retrieval Tool (DRT) to populate their income information on the FAFSA, either initially or through making a correction. If students do not or cannot use the DRT and are selected for verification, they may

- submit a signed copy of their 2020 US Income Tax Return, or
- order a tax return transcript online at irs.gov.

Either of these two options will take seven to ten business days. Other documents may also be requested by the Financial Aid Office.

Satisfactory Academic Progress for Financial Aid

Federal and state regulations require that students receiving financial aid maintain Satisfactory Academic Progress. Blue Ridge applies these standards to all federal and state financial aid funds in order to maintain a consistent procedure for all students receiving assistance. In order to be eligible for financial aid, students must meet the following minimum guidelines:

1. Students must successfully complete at least 67% of cumulative credit hours attempted (pass rate).
2. Students must maintain a cumulative grade point average of 2.00 (C) or higher at Blue Ridge.
3. Students must complete their program of study in a time frame not to exceed 150 percent of the credit hours required of the program. All credit hours attempted, with the exception of developmental classes and transfer credits that do not apply toward the student's current program of study, will be counted even if the student changes programs.

Withdrawal

Students who officially withdraw from classes (or are withdrawn unofficially by their instructor for non-attendance) should understand their withdrawal might affect their eligibility for future financial aid determined by this Satisfactory Academic Progress policy. Students who are withdrawn from all of their classes or end the semester with a 0.00 GPA will be subject to the Return of Title IV Funds Policy for the current semester.

Grades

Grades of A, B, C, D, P, and CR will be considered as hours attempted and earned. Grades of F, W, R, or I will be considered as hours attempted, but will not be considered as hours earned. Grades of NS or Y will not be counted as hours attempted or earned. Transfer credit hours accepted from other institutions for the student's current program of study are included in the calculation of the pass rate and maximum time frame.

Repeated Courses

Students are permitted to repeat a class in which their prior grade was a "W", "F", "R", or "D". This provision may not apply to a student who is receiving VA benefits.

Concurrent Enrollment (Consortium Agreement)

A student's academic progress will be calculated by Blue Ridge as the Home Institution, with the 67% rule being calculated based on the total number of hours attempted at both institutions and the GPA requirement from Blue Ridge only.

Developmental Courses

Developmental courses (designated by course numbers below 100, e.g. DRE 097) are eligible for inclusion in receipt of financial aid, and therefore, meet Satisfactory Academic Progress guidelines. However, a student may only receive financial aid for a maximum of 30 credit hours of attempted developmental courses.

Review Process

It is the student's responsibility to be aware of his/her eligibility for financial aid. Each student's academic record will be evaluated at the end of every semester to determine their eligibility for financial aid in the next term. Once a student becomes ineligible for financial aid based upon his/her failure to meet the minimum guidelines for attempted hours and/or GPA, the student will be placed on Financial Aid Warning for ONE semester. The student is eligible to receive aid during that semester. If the student fails to regain eligibility at the end of the warning semester, financial aid will be suspended and the student must pay for their next semester of enrollment. A student's financial aid will be reinstated the next semester of enrollment after they meet both the 67% hours attempted AND the 2.00 cumulative GPA requirements, as long as they are within the 150% maximum time frame.

Appeal Process

A student who has become ineligible for financial aid due to a failure to meet the minimum guidelines for Satisfactory Academic Progress may appeal their status to the Financial Aid Office and request to be placed on Financial Aid Probation. Appeals will be considered for unusual circumstances only (i.e. an extended illness or injury, death in the immediate family, length of time out of school, less than a full-time semester remaining, etc.) and must be made in writing, stating why they failed to meet the guidelines and how those circumstances have changed. In addition, the student should provide any relevant supporting documentation (e.g. hospital/doctor verification, death certificate, etc). Circumstances that are deemed to be academic in nature or within the student's area of control are not usually considered as grounds for appeal. All appeals should be submitted to the Financial Aid Office. The student will receive a notice of approval or denial of their appeal to be placed on Financial Aid Probation in a timely manner.

Students who are placed on Financial Aid Probation may be required to meet specific criteria as outlined in an individualized Academic Plan in order to be eligible for continued receipt of financial aid. Financial aid will continue to remain in effect as long as the student meets the criteria set forth in the Plan.

If the student's appeal is denied, their financial aid will remain suspended and the student must pay for their next semester of enrollment. A student may appeal the decision of the Financial Aid Office by requesting, in writing, that their appeal is reviewed by the Financial Aid and Scholarship Committee.

Return of Title IV Funds Policy

Students who are withdrawn completely from Blue Ridge should understand their withdrawal may affect their eligibility for financial aid for the current semester as well as future semesters. Federal regulations require a refund calculation for all students receiving Title IV funds who have ceased attendance from all classes for the semester on or before the 60% point in the semester or who complete the semester with no earned hours and/or a term grade point average of 0.00. Students earn a portion of the Title IV funds on a ratio of the number of calendar days attended and the number of calendar days in the term. Unearned federal aid will be returned in the following order: Federal Unsubsidized Direct Loan, Federal Subsidized Direct Loan, Federal PLUS Loan, Pell Grant, and SEOG. NC monies will be returned according to state regulations. Institutional and outside scholarships will be fully applied to the student's account for attendance through the official census date of the term, unless otherwise restricted.

If there is a student account balance resulting from these adjustments, the student is responsible for payment. The student must pay this balance before they will be able to receive a transcript or are allowed to register and attend subsequent terms.

Students Receiving Financial Aid—Change of Status

Financial aid recipients must immediately notify the Financial Aid Office of any changes that may affect their status. Such changes include change of program, change of hours, or credit by exam. Financial Aid awards will be reduced if the student remains enrolled but officially reduces enrollment status prior to the 10% point of the semester. Financial aid does not cover audited classes, continuing education classes (with exception of certain programs for VA benefits), repeat classes with a grade of 'C' or higher, credit-by-exam classes, or classes not required for the primary program of study.

Types of Financial Aid

Blue Ridge Community College Educational Foundation Scholarships

Scholarships are provided each year to Blue Ridge Community College students through the fundraising efforts of Blue Ridge Community College Educational Foundation, Inc. Annual awards are made by the Financial Aid and Scholarship Committee. Students must have a cumulative 2.0 grade point average in order to be eligible to apply for scholarship assistance from the Foundation. Applications are available online at blueridge.edu/scholarships.

Federal Pell Grants

Students attending Blue Ridge Community College may be eligible for Federal Pell Grant assistance. Amounts vary, and eligibility is based on financial need as determined by a formula developed by the U.S. Department of Education. Applicants must have a high school diploma, a High School Equivalency Diploma, or AHS certificate to be eligible. Students are ineligible if they have a bachelor's degree. Students with exceptional financial need may be eligible for further aid through the Federal Supplemental Educational Opportunity Grant Program. Students need to complete a FAFSA application online at studentaid.gov in order to determine eligibility.

North Carolina Community College Grants/North Carolina Education Lottery Scholarships

The North Carolina Community College Grants (NCCCG) and North Carolina Education Lottery Scholarships (NCELS) are administered by the College Foundation of North Carolina to provide assistance to North Carolina residents demonstrating financial need. Students receiving NCCCG or NCELS must be enrolled at least half-time. Application is made through the Free Application for Federal Student Aid (FAFSA).

Educational Assistance for Veterans and Certain Dependents of Veterans

Most curriculum programs and some continuing education courses offered by the College are approved for the training of veterans. Eligible veterans and/or their eligible dependents who wish to pursue their education should contact the Financial Aid Office for application procedures and assistance. Please refer to the section on applying for Veteran's benefits.

Childcare Funds

The State of North Carolina provides limited funds to assist curriculum students with childcare. A student must demonstrate financial need as determined by the Expected Family Contribution (EFC) calculated by the FAFSA and be enrolled at least half-time, with at least one class being taught on campus. Applications are available from the Financial Aid Office on July 1 of each year.

Federal Loans

Student loans as reflected on the student's financial aid award are optional because they are monies borrowed that must be repaid with interest. Blue Ridge participates in the William D. Ford Federal Direct Loan Program. Student loans, both Subsidized (need-based) and Unsubsidized (non-need-based), and PLUS loans to parents are available. The amounts vary depending on the student's year in college, financial need, and other aid received. Students should refer to the Student Loan and Basic Money Management pages on the website for important information to help them determine how much they should borrow if any. Students must be registered at least half-time (6 credits) in an eligible program at the time of disbursement and maintain Satisfactory Academic Progress. Students need to complete a FAFSA application to determine eligibility. Blue Ridge requires all loans to be made in two disbursements. For Fall/Spring borrowers, one disbursement is made in the fall semester and the second disbursement is made in the spring semester. However, if a student borrows for a single term, one disbursement is made at the beginning of the term and the second disbursement is made at mid-term. In addition, all first-time borrowers' first loan disbursements will not be posted until after the first 30 days of the semester have elapsed.

Federal Work-Study Program

Blue Ridge Community College participates in the Federal Work-Study Program, which provides on-campus work and community service opportunities for students needing financial assistance to attend school. Work is available for qualified students to assist in the library, faculty and administrative offices, and labs. Students working under this program are paid once a month for the work performed. There is limited funding for the program. Students need to complete a FAFSA application online at fafsa.gov in order to determine eligibility.

Federal Workforce Investment Act Grants

Individuals who are (1) unemployed, underemployed, or (2) have recently been dislocated from their jobs and want to learn new skills to enter or re-enter the workforce may be eligible for WIOA funding of books and tuition. Those interested should contact NCWorks at 694-1755 or 694-1753.

Local Scholarships

Some local scholarship funds provided by interested citizens and civic organizations are available. Requirements for local scholarships vary. Interested students should apply directly to the organization or visit blueridge.edu/scholarships.

Emergency Grants and Loans

Emergency grants and loans are available to enable a student to begin or continue a program of study by alleviating a short-term lack of funds or providing temporary assistance. Preference for emergency grants and loans is given to currently enrolled students who have attended Blue Ridge for at least one semester. There is limited funding for these programs, and students must be maintaining Satisfactory Academic Progress. These funds are not intended for those students who have failed to file their financial aid forms in a timely manner.

Veterans Benefits

Application for Veteran's Benefits

To utilize G.I. Bill™ benefits, students should follow the procedures outlined below:

- Apply for VA educational benefits at www.Vets.gov.

- Complete the Residency Determination Service (RDS) and obtain a Residency Certification Number (RCN) - curriculum students only.
- Submit an application for admissions (curriculum) or registration form (continuing education), and be accepted into an approved program of study.
- Submit an official high school transcript or High School Equivalency Diploma scores to the Registrar's Office. Official transcripts from all previous colleges attended and/or a Joint Services Transcript for college credit obtained while in the military are also required as determined by the VA School Certifying Official. Foreign transcripts must be translated and evaluated for course equivalencies by an approved educational evaluation service.
- Provide the VA School Certifying Official your Certificate of Eligibility and Form DD214.
- Disabled veterans attending under Veteran Readiness & Employment (VR&E) must have the approval of a VR&E counselor at the VA before payment of benefits may be authorized.

Members of the Selected Reserve and National Guard

To establish eligibility under Chapter 1606 or 1607, provide a notice of basic eligibility (N.O.B.E.) to the VA School Certifying Official. Information can be obtained by calling the Department of Veterans Affairs (DVA) Regional Office at (888) 442-4551.

Active Duty Service Members

Active-duty personnel serving in the United States Armed Forces may be eligible for Tuition Assistance administered through the U.S. Department of Defense. Once approved by the branch of service, students should submit a Tuition Assistance Authorization Form to the VA School Certifying Official.

The Veterans office at Blue Ridge is located in the Sink Building on the Henderson County Campus in the Financial Aid Office. The VA School Certifying Official can be contacted at (828) 694-1815 or finaid@blueridge.edu.

Interruption of Veteran's Benefits Due to Unsatisfactory Progress

In order to continue receiving Veteran's benefits, students must meet the College's academic standards of a cumulative grade point average of 2.0 or above (see Catalog under Student Policies: Academic Probation and Satisfactory Academic Progress).

Failure to meet these academic standards will result in the student having a probation semester in which they will continue to receive their benefits. However, failure to maintain a 2.0 cumulative GPA for two consecutive semesters will result in the suspension of Veteran's benefits until the student meets the minimum cumulative grade point average requirement.

Return of Military Education Benefits

If a student receiving Veteran's benefits withdraws from a class or stops attending, a portion of the funds awarded to the student will be returned to the VA. The student will repay a debt for tuition and fees to the college, while debts incurred for a housing allowance or book stipend will be repaid to the VA.

Active duty students who have received Tuition Assistance (TA) from their service branch will have their TA eligibility recalculated if they withdraw prior to completing sixty percent (60%) of the term. The official last date of attendance, as determined by the College's attendance records, is used to determine the percentage amount to be returned. Recalculation of eligibility is based on the percentage of TA benefits earned using the following chart:

For 16-week courses, amount to be returned if withdrawal occurs:

- During weeks 1-2: 100% returned
- During weeks 3-4: 75% returned
- During weeks 5-8: 50% returned
- During week 9: 40% returned
- During weeks 10-16: 0% returned

For 8-week courses, amount to be returned if withdrawal occurs:

- Before or during weeks 1-2: 100% returned
- During week 2: 75% returned
- During weeks 3-4: 50% returned
- During week 5: 40% returned
- During weeks 6-8: 0% returned

If a service member stops attending due to a military service obligation, the College will work with the affected service member to identify solutions that will not result in student debt for the returned portion. Otherwise, recalculation of TA benefits will result in a tuition and fees debt that the student will then owe the college.

Student Policies

Academic Forgiveness

A student who has not been enrolled in curriculum courses at Blue Ridge Community College for 48 consecutive months may send in writing to the Director of Enrollment Management a request for academic forgiveness during the subsequent semester after 12 semester hours have been completed. Under this policy, the student may request that his or her previous grade(s) of D or F not be used in calculating the cumulative grade point average (GPA).

Prior to the reevaluation, the student must be readmitted to the College, register for courses, and complete at least 12 credit hours of coursework with a minimum grade point average of 2.0.

Requests for academic forgiveness must specify (1) the period of initial enrollment, (2) the courses and grades considered for forgiveness, and (3) the period of non-enrollment. The Director of Enrollment Management evaluates the request for meeting forgiveness procedure guidelines and makes a recommendation to the Vice President for Student Services who is responsible for final approval.

If the request is approved, all grades of D and F within the requested review period will be forgiven and will not be used for GPA computation for credits earned toward graduation requirements. Any forgiven work, if needed for completion of a certificate, degree, or diploma must be retaken. All grades will remain on the student's transcript.

Academic forgiveness may only be granted once to a student. Once academic forgiveness has been granted the student will receive a letter and updated transcript from the Director of Enrollment Management. If denied, the student will be notified by letter, and there is no appeals process for a denied request. All reviews are final and irrevocable. Grades that are included in academic forgiveness are not exempt from academic progress relating to State and/or Federal Financial Aid and VA educational benefits. Courses approved for academic forgiveness do not count in degree completion and may not be recognized as "forgiven" by any other college and/or university.

Academic Probation and Satisfactory Academic Progress

The following procedures apply to those students who experience academic difficulty:

A student is considered to be making unsatisfactory academic progress and will be placed on academic probation when his/her cumulative grade point average falls below 2.0. A student on academic probation for one semester will be required to attend a "Being a Successful Student" workshop before registering for another semester.

Students who fail to maintain satisfactory academic progress for two successive semesters will be required to consult with a counselor.

During this conference the counselor and student will determine that one of the following actions is required:

- Continue with normal academic load next semester
- Reduced academic load next semester
- Either 1 or 2 and participate in academic assistance in the form of tutoring, counseling sessions, Student Success Center, or other appropriate resources
- Enroll in preparatory courses of study
- Transfer to another program of study

In certain circumstances, the counselor, in conjunction with the academic advisor, may institute one semester of academic suspension when it appears to be in the best interest of the student. This option will be exercised only after two consecutive semesters of academic probation and when it is clear that another assistance for the student is not appropriate. Note: See Readmission.

Acceptance of Academic Credit

College credit may be awarded up to a maximum of 75% of the applicable program requirements if appropriate conditions are met by transfer credit, Credit by Examination, Advanced Placement (AP) courses, College Level Examination Program (CLEP) test scores, Regional Articulation for Career Education (R.A.C.E.) courses, Credit for Prior Learning (CPL), or professional certifications. Contact the Student Services Division for details.

Advanced Placement Courses

Blue Ridge Community College academic credit may be awarded to enrolled students who receive scores of 3, 4, or 5 on the AP tests offered by the College Board. AP credit accepted at other postsecondary institutions is not automatically transferred to Blue Ridge Community College but is reviewed when scores are received.

College Level Examination Program (CLEP)

Blue Ridge Community College credit may be granted to students who have satisfactorily passed certain CLEP tests. Credit may be considered only for those courses which have been approved by the various divisions and/or programs of the College. A listing of CLEP equivalencies is available from the Student Services Division or on the Blue Ridge Community College Website at blueridge.edu.

Regional Articulation for Career Education (R.A.C.E.)

Blue Ridge Community College will grant advanced placement credit to high school graduates for successful completion of certain high school courses. This credit expires two years after the student graduates from high school. The requirements for each course include:

- The student must obtain a grade of "B" or higher in the course.
- The student must obtain a score of 93 or higher on the standardized CTE post-assessment. The student must complete all application procedures and enroll in a member institution of the NCCCS authorized to offer the applicable college courses within two years of their high school graduation.
- The student must notify (with the method established by the community college) the appropriate admissions officer of his/her qualifications for college credit under this agreement.
- The student must receive a teacher recommendation for the completed course.

Blue Ridge Community College programs eligible for advanced placement credit include Automotive Systems Technology, Business Administration, Information Systems, Office Administration, Cosmetology, Early Childhood, Mechanical Engineering Technology, Electronics Engineering Technology, Horticulture Technology, Computer-Integrated Machining, and Welding Technology.

For information about specific courses, contact the Blue Ridge Community College Registrar or high school counselor.

Reverse Transfer

In accordance with the UNC General Administration and the North Carolina Community College System policies, reverse transfer of credit for students who transfer before completing a credential at the community college will be supported. Students will be able to "transfer back" credits completed at the university that fulfill the AA/AS requirements, so that Blue Ridge Community College may award an associate degree. The Registrar's Office follows NCCCS Policies and Procedures entitled "Credit When It's Due/Reverse Transfer Process" when implementing this procedure.

Transfer Credit

Coursework transferred or accepted for credit toward an undergraduate degree must represent collegiate coursework relevant to the degree, with course content and level of instruction resulting in student competencies at least equivalent to those of students enrolled in a Blue Ridge Community College degree program. This work must be documented by an official transcript and must meet the minimum Blue Ridge academic standards of a grade of "C" or better. In assessing and documenting equivalent learning and qualified faculty, Blue Ridge Community College uses recognized guides that aid in the evaluation for credit. Such guides include those published by the American Council on Education, the American Association of Collegiate Registrars and Admissions Officers, and the National Association of Foreign Student Affairs. Coursework transferred or accepted for credit toward the Degrees and Diplomas which are part of the College Transfer program is governed by the North Carolina Comprehensive Articulation Agreement. Students wishing to use credit from foreign institutions for transfer may, at the discretion of the College, be required to provide a foreign credential evaluation from a nationally recognized service such as "World Education Services." For further information, contact the Student Services Division.

Continuing Education (CE) to Curriculum (CU) Transfer Credit

Continuing Education coursework from Blue Ridge Community College only and related to curriculum instruction may be transferred or accepted for credit towards curriculum courses in specific programs. Students must have earned a minimum letter grade of a "C", passed the final assessment with a proficiency of 70% or better, or successfully passed the applicable credentialing exam. The appropriate Dean for each division will approve continuing education course material prior to the official granting of curriculum credit and the "Continuing Education to Curriculum Articulation Form" will be completed based on approval from the Dean that all appropriate learning outcomes have been met. A handout outlining the specific continuing education to curriculum course equivalencies is available in Student Services. In order to meet the requirements of a Curriculum credential, the minimum number of credit hours that must be completed in curriculum at Blue Ridge Community College is 25% of a certificate, diploma, or degree. Students are not allowed to receive CU credit for a CE course taken while currently enrolled in or after they have received credit for a CU course in the same certificate, diploma, or degree.

Credit for Prior Learning (CPL)

The College follows procedures consistent with the State Board code. Blue Ridge is authorized to award CPL using the following prior learning methods:

- Apprenticeship
- Certifications and licensures
- Courses listed in high school to community college articulation agreements
- Military education and training
- Standardized examinations
- Challenge exams/proficiency
- Portfolio assessment
- Public Safety Training (PST) prefix courses

CPL may be used to fulfill program requirements except for mandatory institutional requirements. Examples may include but are not limited to, requirements of external agencies that specifically prohibit the use of CPL to fulfill the program requirements

No more than seventy-five percent (75%) of the credit hours required for graduation from a curriculum program of study may be earned through CPL.

To be eligible to receive CPL, students must meet all of the following criteria:

1. Meet all admission requirements for their program of study.
2. Be enrolled in a curriculum program to which the credit will directly apply; and
3. Request a prior learning assessment consistent with the college's CPL procedures and provide all documentation by the published deadlines.
4. The student may request credit for prior learning by submitting the Request for Credit for Prior Learning (CPL) form with the appropriate Academic Dean or Chair. Additional documentation supporting the credentials previously earned, apprenticeships, certifications and licensures, military credit, etc., will be required in order to submit the Request for CPL form.

Industry Recognized Credentials

Blue Ridge Community College may award Credit for Prior Learning (CPL) for successful completion of industry-recognized credentials consistent with the CPL standards approved by the state Curriculum Course Review Committee (CCRC). Blue Ridge Community College may award CPL for industry-recognized credentials for which statewide articulations have not been established by CCRC.

Professional Certifications

Blue Ridge Community College currently recognizes the following:

- Automotive Service Excellence certification (A.S.E.) and awards credit in the Automotive Systems Technology curriculum program;
- Basic Law Enforcement Training certification and awards credit in the Criminal Justice Technology curriculum program;
- Emergency Medical Technology certification and awards credit in the Emergency Medical Science curriculum program; and
- Firefighter certification and awards credit for the Fire Protection Technology curriculum program.
- Courses in the Combined Course Library with Public Safety Training (PST) prefix can be used for awarding prior-learning credit for industry-recognized public safety training and/or credentials.

A document outlining specific course credit for certification levels is available in Student Services.

Auditing

A student who audits a course pays the normal tuition and fees. Auditing students do not take tests or examinations, nor do they receive grades, credit, or financial aid. They cannot later change the "audit" to credit. Students auditing a course must meet the same course prerequisite and attendance standards as other students. Students who audit a course and withdraw or are dropped from the course will be issued a grade of W. Students who desire to audit must inform their instructor at the first class session, complete a "Request for Audit" form, and return it to the Registrar's Office within 15 days. Audits appear on the grade report as "Y." Persons over the age of 65 can potentially audit a class and not be required to pay the tuition. All other college fees must still be paid. Interested students should speak to their faculty advisor or Student Services for more information.

Certificates and Diplomas, Continuing Education Classes

Certificates and diplomas are awarded to students who successfully complete the requirements of the class and are given for certification, state testing, documentation of training, or by request of the instructor or student.

Change of Major

A student completes requirements as listed in the most current curriculum standard at the time of entry into a program of study. A change of major constitutes moving to the most current curriculum standard outlined in this Catalog. Appropriate forms are located in the Registrar's Office or on the College website.

Course Repetitions

Curriculum Students

A student may elect to repeat courses in which D, F, or R was the assigned grade. Students earning a grade of "C" or "P" or higher may repeat a course only once unless approval is given by the appropriate Dean. A student may not audit a course in any curriculum for credit more than one time. The appropriate Dean must approve any exception. Students repeating a course for credit when transfer credit has been awarded may not be eligible for Financial Aid for the repeated course. When a course is repeated for credit, the highest grade assigned will be used in computing the grade point average unless the last grade assigned is a non-weighted grade such as W, NS, or Y.

Continuing Education Students

Students who take an occupational extension course more than twice within a five-year period will be charged the actual cost of the course, currently $6.50 per classroom hour. Students may repeat an occupational extension course more than once if repetitions are required for certification, licensure, or recertification.

Course Substitutions

The substitution of courses is generally not allowed except in extreme circumstances. Such occasions might include changes in curriculum course requirements or the addition of new courses which might be more beneficial to the long-term, part-time student who matriculates over a period of several years. In such cases, it is the student's responsibility to initiate a request for course substitution with the appropriate faculty advisor at the time the student is registering for the course. The form is forwarded to the appropriate dean for approval. If approved at that level, the request will then be forwarded to the Vice President for Instruction for review and final approval. If approved by the Vice President for Instruction, the request is routed to the Registrar for the student's official record. Financial aid and veteran benefits recipients may be limited in the number of course substitutions by federal regulations.

Credit by Examination

Students who can document their proficiency in a subject area may request credit by examination. Examples of documentation include a transcript(s) of similar college-level courses, a record of military study, certification or licensure, or written statements from employers regarding training or directly related work experience.

Exams are comprehensive and may be taken only once. A student who has previously received any recorded grade for a course may not request credit by exam for that course. The testing instructor's decision will be final.

The Dean within the department offering the course is responsible for testing procedures within that department. The following procedure should be used by the student who requests credit by examination:

1. The student must be currently enrolled at Blue Ridge Community College.
2. The student must enroll in the course and attend the class prior to requesting credit by examination.
3. The student must confer with his/her advisor and/or instructor regarding the procedure and documentation requirements.
4. The student must present proper documentation before permission is granted.
5. The student must complete an Application for Credit by Examination with his/her advisor and be tested within the first 15 school days of the semester.
6. The student who successfully completes credit by examination with a grade of C or better will have the grade earned posted to their academic record.

NOTE: Tuition charges paid for credit by examination are nonrefundable. Federal and/or state financial aid cannot be used to pay for credit by examination classes.

Dean's List

Full-time students in a degree or diploma program can be named to the Dean's List each semester. For the Dean's List, a full-time student is defined as a student carrying a minimum of twelve (12) credit hours for Fall and Spring semesters and nine (9) credit hours for Summer Term.

The student must have a minimum 3.50 grade point average to qualify for the semester under consideration. Grades of D, F, I, W, R, or NS will eliminate a student from the Dean's List for that particular semester. Coursework completed with a grade of "CR" issued for Credit by Exam will not count towards full-time enrollment.

A list of students attaining honors will be compiled by the Registrar each semester and sent to the Director of Marketing and Communications for publication in local and pertinent hometown newspapers and on the College website.

Double Major

A student may declare a double major by submitting a Change of Program form with the Registrar's Office. For students receiving Financial Aid who wish to double major, the student must consult with the Financial Aid Office to determine eligibility for both programs. The student's academic file will reflect both majors. Upon completion of required courses for each major, the student will receive the associate degree, diploma, or certificate depending upon the curriculum in which the student is enrolled.

Final Examination Policy

There is no set final exam period. Instructors will schedule their final exams to fit within the schedule for the class, except in special circumstances approved by the appropriate dean and the Vice President for Instruction. The length of the final examination is at the discretion of the instructor and the Vice President for Instruction.

Grade Point Average (GPA)

The grade point is used to evaluate the student's scholarship record. Grade points are allocated to semester credit hours earned as follows:

A 4 grade points for each credit hour

B 3 grade points for each credit hour

C 2 grade points for each credit hour

D 1 grade point for each credit hour

F 0 grade points for each credit hour

P not calculated in grade points

R not calculated in grade points

I not calculated in grade points

IE not calculated in grade points

W not calculated in grade points

WE not calculated in grade points

NS not calculated in grade points

Y not calculated in grade points

TR not calculated in grade points

AP not calculated in grade points

XA not calculated in grade points

XB not calculated in grade points

XC not calculated in grade points

(*) not calculated in grade points

(.) not calculated in grade points

S not calculated in grade points)

U not calculated in grade points

SR not calculated in grade points

CLP not calculated in grade points

Requirements for degrees and diplomas are computed not only in semester hours credit but also in grade points, the numerical equivalents of the letter grades earned by students. the grade point average (or GPA) is determined by dividing the total number of grade points by the total number of credit hours attempted at Blue Ridge. Calculation of the GPA for graduation purposes is based only on those courses which are applicable to the degree or diploma. If a course is repeated, only the points and credit hours earned in the attempt with the highest grade will be used in the computation of the GPA to determine eligibility for graduation.

Grade Significance

Grades issued by the College are based upon the quality of achievement of the objectives of the course being taken.

A Represents work of definitely superior quality and is reserved for the few outstanding students. It is distinctly the honor mark

B Represents work of excellent quality and is recorded for those who do work that is clearly above average

C Represents work of average quality and is recorded for those students who do average work

D Represents work that is below the average but above failure

F Represents work that is not of an acceptable quality

P Passing*

R Repeat*

I Represents incomplete. An incomplete grade must be removed within 3 semesters or the incomplete automatically becomes a grade of F

IE Represents incomplete emergency due to COVID-19 related issue

W Represents withdrawal from a course. This grade will be assigned to all students who withdraw themselves or are withdrawn from a course by the 75% point of the semester. This grade will also be assigned to all students who are withdrawn from a course by an instructor after the 75% point of the semester because of extenuating circumstances. Course instructors need to have the appropriate Dean's approval for a W after the 75% point of the semester.

WE Represents withdrawal emergency from a course due to COVID-19

NS Represents never attending a class for which a student registered

Y Represents audit

XA Credit by Exam-Completed with Letter Grade A

XB Credit by Exam-Completed with Letter Grade B

XC Credit by Exam-Completed with Letter Grade C

TR Transfer Credit

AP Advanced Placement or R.A.C.E.

(*) Represents repeated courses; GPA refigured

(.) Represents course not included in GPA of the current program of study

S Passing – student accomplished class objectives from “standard of progress” (for Non-curriculum course work only) with a "C" or higher

U Failing – student failed to meet course requirements and/or attend 80% of the course contact hours to be eligible for a passing grade (for Non-curriculum course work only)

SR Represents audit as a senior citizen with a tuition exemption

CLP CLEP Credit

*These grades are assigned to developmental or non-curriculum courses and are completed with a "C" or higher.

Grades and Grade Changes

All grades are recorded on a student’s official transcript after the completion of each semester. The student will be furnished with a report of grades earned. Once grades have been awarded, they may be changed only with the written authorization of the instructor and the approval of the Vice President for Instruction.

The College has the right to set academic standards that students must meet. A student is entitled to an explanation from his or her instructor(s) for the basis of his/her grade to ensure that the grade has not been assigned in an arbitrary and capricious manner. For purposes of these Procedures, a course grade is deemed to have been assigned in an arbitrary and capricious manner if:

The final course grade was based upon the student’s race, color, religion, national origin, age, sex (including pregnancy, gender, identity, or sexual orientation), disability, genetic information, or for some other arbitrary or personal reason unrelated to the instructor’s exercise of his or her professional academic judgment in the evaluation of the academic performance of the student.

The course grade was assigned in a manner not consistent with the standards and procedures for evaluation established by the instructor, usually at the beginning of the course in the course syllabus but supplemented on occasion during the semester in other written or oral communications directed to the class as a whole; or

The course grade assigned by the instructor was the result of a clear and material mistake in calculating or recording grades.

A course grade assigned consistent with these Procedures can only be changed by the instructor; however, the instructor may be forced to change the grade if it is determined that the grade was assigned in an arbitrary and capricious manner, or through the grade appeal process.

Grade Appeal

The grade appeal process applies only to final course grades. In the event a student appeals a grade that prevents progression in a program, the student will be allowed to enroll and attend the following semester pending the outcome of the appeal. For sequential classes that have a clinical component, the student will be allowed to take the academic coursework, but will not be allowed to participate in the clinical component of the class until the appeal is over. If the grade is upheld, the student will be administratively dropped from the course and refunded the tuition.

Grade Appeal Process

Every reasonable effort should be made to resolve the matter at the informal level between the instructor and the student.

If a student is dissatisfied with his or her final course grade, the student must first meet with the instructor who assigned the course grade within five (5) business days after official receipt of the final course grade and provide clear and convincing evidence that the grade was assigned in an arbitrary or capricious manner as defined above. If necessary, the Chair of the Department may also participate in this meeting. In cases where the student is unable to meet in person with the instructor, the student may contact the instructor by letter or email. If the instructor is no longer employed at Blue Ridge Community College, the student may proceed to step two. The instructor will then make a written determination and provide it to the student within five (5) business days after the meeting. The written determination may be sent as an email, certified letter, or hand-delivered document.

If the student is still dissatisfied with the instructor’s determination, within five (5) business days after receipt of the written determination, the student must meet with the Department Dean. The student must present the instructor’s written determination and provide clear and convincing evidence that the final course grade was assigned in an arbitrary or capricious manner as defined above. In cases where the student is unable to meet in person with the Department Dean, the student may contact the Dean by letter or email. The Dean will then make a written determination and provide it to the student within five (5) business days after the meeting. The written determination may be sent as an email, certified letter, or hand-delivered document.

If the student is still dissatisfied with the Department Dean's written determination, within five (5) business days after receipt of the written determination, the student must file a written appeal with all documentary evidence to the appropriate Vice President over the department. The Department Dean shall also file a written response, attaching the written decision of the faculty member to the Vice President. The Vice President shall perform an "on the record review" and will make a determination within fifteen (15) business days after receipt of the student's appeal. If needed for clarification, the Vice President may meet with the student or ask the student or Dean to submit additional information. The Vice President will then make a written determination and provide it to the student. The written determination may be sent as an email, certified letter, or hand-delivered document. The Vice President's decision is final.

Graduation Requirements

The student will be held responsible for fulfilling all requirements for the degree, diploma, or certificate.

In order to graduate, students must:

1. Achieve a minimum grade point average (GPA) of 2.0 in their program of study.
2. Fulfill all financial obligations and admissions requirements to the College.
3. Complete a minimum of one-fourth (25%) of the required credit hours as a student at Blue Ridge Community College.

If the student wishes to have their certificate(s), diploma(s), or degree(s) printed, the student may submit a notice of their intent when notified by the Registrar's Office.

Candidates for graduation from the degree, diploma, and certificate programs are encouraged to participate in graduation rehearsals and exercises. Students who complete requirements for degrees, diplomas, or certificates will be eligible to graduate at the next scheduled graduation ceremony following the semester during which requirements are completed.

The graduation fee covers graduation expenses for degrees, diplomas, and certificates and is payable during registration for the semester in which the student expects to complete a program of study. Prospective graduates can purchase commencement announcements and caps and gowns in the College Bookstore.

Graduation with Honors

Any student who has a grade point average of 3.50 or greater in their program of study and has completed at least one-fourth (25%) of the curriculum requirements as a Student at Blue Ridge Community College will be granted a degree, diploma, or certificate with the following honors:

A Program GPA of 3.500-3.699 will be represented with Latin Honors of Cum Laude.

A Program GPA of 3.700-3.899 will be represented with Latin Honors of Magna Cum Laude.

A Program GPA of 3.900-4.000 will be represented with Latin Honors of Summa Cum Laude.

Incompletes

Incomplete indicates the failure to complete certain course requirements because of extenuating circumstances. All incompletes must be removed within three semesters or the incomplete automatically becomes a failure. The student is responsible for completing requirements when an incomplete "I" grade is issued. Two or more incompletes in a semester will result in the student being required to carry a reduced load the following semester. Students with three or more incompletes may register for the following semester by special permission only. Incompletes will be counted as hours attempted and not earned for Satisfactory Academic Progress in determining financial aid eligibility.

Institutional Learning Outcomes

The College has identified three specific college-level competencies that are tracked for associate degree students to gauge the level of proficiency of its graduates.

- Communication: Students will communicate with clarity and precision in appropriate contexts.
- Analytical Thinking: Students will analyze and solve problems using discipline-appropriate techniques and technologies.
- Professional Skills: Students will develop personal and professional skills to be productive members of the community and the workforce.

Licensure

Graduates of certain Blue Ridge Community College programs, such as Associate Degree Nursing and Cosmetology, are eligible to sit for licensing examinations. Surgical Technology graduates will take the National Certification Examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) within thirty (30) days of completion. However, the College assumes no responsibility for the administration of these exams. Students are encouraged to inquire about the possibility of licensing prior to entering a program of study.

Second Degree, Diploma, or Certificate

A graduate who holds one associate degree or diploma may earn a second associate degree or diploma by taking additional work equal to at least one-fourth (25%) of the total credit hours for the second degree or diploma and by meeting all requirements for the second degree or diploma. Multiple certificates may be earned by any student completing all the coursework required for each certificate.

Student Records

Student records are maintained in accordance with the Family Educational Rights and Privacy Act (FERPA). Blue Ridge Community College considers the following information to be "Directory Information" and will release such information to individuals or entities that have a legitimate educational interest in the information or provide a service on Blue Ridge's behalf on request unless the individual student declares in writing to the Registrar that such information is not to be made available:

- Student's name
- Dates of attendance
- Degrees, diplomas, certificates, or awards received
- Major field of study or program
- Enrollment status
- Most recent educational agency or institutions attended
- Date and place of birth
- Full address
- Telephone number or email address
- Participation in officially recognized activities
- Photograph
- Grade level

All other information contained in the individual's educational record is considered confidential and will be released only on written approval from the student concerned.

The individual student is authorized, upon request to the Registrar, to review his/her educational record and to challenge erroneous or misleading information contained therein. Copies of the detailed policy concerning student records are maintained in the Registrar's Office and are available upon request.

Blue Ridge Community College does not sell or otherwise provide mailing lists of students to any person or entity except as mandated by certain federal laws for military recruiters. The Solomon Amendment requires the release of name, address, and date of birth to military recruiters upon their request.

Transcript Request of a Student's Academic Record

Official transcripts of a student's Blue Ridge Community College academic record will be released by electronic signature via secure log-in through Parchment, or by written request from the student concerned. An official electronic Blue Ridge transcript may be requested through the website. Paper forms to request transcripts are available in the Registrar's Office, or students may write, fax, or send a scanned signature to the Registrar. There is a $5 charge for this service; an unofficial transcript can be obtained through myBlueRidge at no fee.

Electronic transcripts are processed within 24 hours of online submission. Printed transcripts will normally be available 48 hours after the request is received. Transcripts selected for pick up may be picked up at the Receptionist desk in the Sink Building on the Henderson County Campus, at the Transylvania County Campus (if designated on the transcript request form), or will be mailed to the location requested on the transcript request form.

Wait time may be longer at the end of the semester and during registration. Please check with the Registrar's Office during these peak times to inquire about processing times.

Transcripts are not faxed. Persons who pick up transcripts for students must have written, signed permission to do so from the student.

Transfer of Blue Ridge Credits to Senior Institutions

As an accredited community college, courses from the College Transfer programs (Associate in Arts, Associate in Fine Arts, Associate in Science, and Associate in Engineering) transfer to senior institutions throughout the state and country. Transfer of courses between institutions in the North Carolina Community College System and the University of North Carolina is governed by the Comprehensive Articulation Agreement developed by the two systems. Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The majority of independent and private 4-year colleges and universities in North Carolina have signed the Independent Comprehensive Articulation Agreement, which also allows seamless transfer to those schools. For more detailed information on transferring to Senior Institutions, please contact the Transfer Coordinator in the Student Services Division.

In addition to the Comprehensive Articulation Agreement, many senior institutions in the area have prepared transfer equivalency lists that demonstrate how Blue Ridge Community College courses match courses at their institution. More information is available from the Transfer Coordinator in the Student Services Division.

Transfer of credits from Blue Ridge Community College's Associate Degree Nursing Program to the University of North Carolina BSN programs is governed by the Uniform Articulation Agreement between The University of North Carolina RN to BSN Programs and North Carolina Community College System Associate Degree Nursing Programs.

In addition to courses in the College Transfer Program, many courses in the Associate in Applied Science programs transfer to certain senior institutions. Other colleges have signed agreements whereby they will accept graduates of Blue Ridge Community College Associate in Applied Science (A.A.S.) programs, normally granting the student junior status. Details on transfer agreements, including those in progress but not approved prior to publication of this catalog, are available from the Transfer Coordinator in the Student Services Division. It is important that students consult with the four-year institution of choice about transfer procedures as early as possible during their enrollment at Blue Ridge Community College. It is always the prerogative of the receiving institution to accept or reject transfer credits.

Blue Ridge Community College has the following specific transfer/articulation agreements to facilitate further education for graduates:

Collaborative Program Agreements

Fayetteville Technical Community College

Interpreter Education

Guaranteed Admission Agreements

To make transferring to a four-year university from a two-year college an even more seamless transition, Blue Ridge Community College has guaranteed admission agreements in place. These articulation agreements are unique in that any Blue Ridge student who meets the eligibility requirements will be guaranteed admission into the following colleges:

Brevard College

East Carolina University

Fayetteville State University

Gardner-Webb University

Lees-McRae College

Lenoir-Rhyne University

Mars Hill University

UNC-Asheville

UNC-Charlotte

UNC-Wilmington

Western Carolina University

Please see the Transfer Coordinator in Student Services for eligibility requirements and more information.

One-Plus-One Transfer Agreements

South College, Asheville Campus

Occupational Therapy Assistant

Physical Therapist Assistant

Two-Plus-Two and Transfer Agreements

Appalachian State University

Associate in Fine Arts in Visual Arts

Early Childhood Education

Nursing

Brevard College

Criminal Justice

Early Childhood Education

East Carolina University

Associate in Engineering

Associate in Fine Arts in Visual Arts

Early Childhood Education

Nursing

Elizabeth City State University

Early Childhood Education

Fayetteville State University

Accounting and Finance
Business Administration
Criminal Justice
Early Childhood Education
Fire and Emergency Services Administration
Nursing (RN-BSN)

Gardner-Webb University

Early Childhood Education

Lees-McRae College

Accounting and Finance
Criminal Justice Technology

Lenoir-Rhyne University

Business Administration

Mars Hill University

Business Administration
Criminal Justice

NC Wesleyan College

Criminal Justice

North Carolina A&T State University

Associate in Engineering
Early Childhood Education
Nursing

North Carolina Central University

Early Childhood Education
Nursing

North Carolina State University

Associate in Engineering

Norwich University

Criminal Justice Technology

The University of North Carolina at Asheville

Associate in Fine Arts in Visual Arts

The University of North Carolina at Chapel Hill

Associate in Fine Arts in Visual Arts
Early Childhood Education

The University of North Carolina at Charlotte

Associate in Engineering
Associate in Fine Arts in Visual Arts
Early Childhood Education
Nursing

The University of North Carolina at Greensboro

Associate in Fine Arts in Visual Arts
Business Administration
Business Administration/Marketing and Retailing
Early Childhood Education
Interpreter Education
Nursing

The University of North Carolina at Pembroke

Early Childhood Education

Nursing

The University of North Carolina at Wilmington

Early Childhood Education

Nursing

Western Carolina University

Accounting and Finance

Business Administration - on demand (see your advisor)

Associate in Engineering

Early Childhood Education

Emergency Medical Science

Nursing (RIBN program)

Wingate University

Pharmacy

Winston-Salem State University

Early Childhood Education

Nursing

Transfer to Another Program Within Blue Ridge (Change of Major)

All transfers within the College will be carefully considered on an individual basis, with special attention being given to the student's past academic record.

Students granted internal transfers of the program will be given credit for courses taken in their previous programs that are comparable or identical to courses offered in their new program, provided their grades meet minimum college academic standards.

Grades of "D" or better for all identical courses will be transferred and will be included in the grade point average of the new program. Students receiving financial aid should notify the Financial Aid Office if they transfer to another program.

Tutoring

The Peer and Faculty Tutoring Program provides additional support to all students at the College. Free tutoring is available in most subject areas by faculty and trained, instructor-recommended peer tutors. For more information, students should contact their instructor or the Student Success Center on either campus.

ThinkingStorm, an online tutoring service, is available free for distance learning and traditional students. More information is posted on the website at blueridge.edu/tutoring.

Unit of Credit

The unit of credit at Blue Ridge Community College is the semester hour. The school year consists of two 16-week semesters (fall and spring) and a 10-week summer term.

For full semester (16-week) fall and spring semester classes, credit hours may be computed by the following formula:

- 1 classroom hour per week (16 hours for the semester) = 1 semester credit hour
- 2 laboratory hours per week (32 hours for the semester) = 1 semester credit hour
- 3 manipulative laboratory hours per week (48 hours for the semester) = 1 semester credit hour
- 10 work experience (cooperative education) hours per week (160 hours for the semester) = 1 semester credit hour

For 10-week summer term classes, classroom, laboratory, manipulative laboratory, and work experience hours are multiplied by 1.6 to receive the same credit. Classes offered in shorter formats (4-week, 8-week, etc.) receive the appropriate proportional credit. The credit value of a given course may be found by consulting the course descriptions in this catalog.

Continuing Education Units

Continuing Education Units (CEUs) will be awarded to those persons satisfactorily completing any of the courses listed as offering a specified number of CEUs. One CEU is defined as ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction.

A permanent record of each person's CEU attainments will be maintained. Individuals, firms, and professional organizations may use compilations of CEUs to provide measures of recognition for non-credit educational achievements.

Student Life

Bee Campus

Blue Ridge Community College is the 16th educational institution in the nation to be certified as an affiliate of the Bee Campus USA program.

The Bee Campus USA designation recognizes educational campuses that commit to a set of practices that support pollinators, including bees, butterflies, birds, and bats, among thousands of other species. Bee City USA® urges local governments, individuals, organizations, corporations, and communities to promote and establish pollinator-friendly landscapes that are free of pesticides.

Bookstore

New and used textbooks and school supplies are available in the College Bookstore located in the Killian Building on the Henderson County Campus and the Student Center on the Transylvania County Campus. Books may be purchased online at blueridge.bncollege.com. Pursuant to the Higher Education Opportunity Act, Blue Ridge Community College is required to share required textbook information (ISBN number and retail price) with students at the time they register for classes. This information can be found on the Blue Ridge Community College Bookstore website at blueridge.bncollege.com.

Campus Police and Public Safety

The Blue Ridge Police and Public Safety Department serves the safety and security needs of the College. It is the mission of Blue Ridge Community College to provide the safest educational environment possible for faculty, staff, students, and visitors at Blue Ridge Community College campus locations.

9-1-1 Emergency Services should be contacted in any situation involving imminent harm or threat to self or others.

Crime awareness is a collective responsibility of the College, its staff, faculty, students, and visitors. All must recognize that they must take individual steps to protect themselves from becoming the victim of a crime and to promote security on campus and at College events.

Access to Campus Facilities

All Blue Ridge Community College campus locations are open to faculty, staff, students, and visitors during normal operating hours. Access during closed hours will be governed by prior arrangements with the General Administration Division for community groups and with the College vice presidents for employees. All persons, while on the premises, are expected and required to obey all federal, state, and local laws and ordinances, as well as College procedures governing appropriate conduct. Persons in violation of the above will be subject to any action deemed appropriate by a competent authority.

Criminal Activity Reporting

Known or suspected violations of federal and state criminal laws should be reported to 9-1-1 if the violation is in process, then to the Blue Ridge Police and Public Safety at 828.243-9950 on the Henderson County Campus; 828.708-9293 on the Transylvania County Campus; 828.674-5954 for the Health Sciences Center. Students may also contact the Switchboard at 828.694-1700. Examples of criminal activity to be reported include larceny, theft, assault, threats, fighting, vandalism, disorderly/disruptive behavior, suspicious persons, vehicles or activity.

Criminal Activity at Off-Campus Student Organizations

Criminal incidents occurring off-campus including students participating in a College function should be reported to the law enforcement agency having jurisdiction, the Blue Ridge Police and Public Safety Department and the Vice President for Student Services.

Other Incident Reporting

For non-criminal incidents such as accidents, major injuries, illness or fire, call 911 if it is an emergency, then call the on-duty officer at 828.243.9950 on the Henderson County Campus; 828.708-9293 on the Transylvania County Campus; 828.674.5954 for the Health Sciences Center. Students may also call the College Switchboard and they will notify the proper responders.

- Henderson County Campus: 828.694.1700
- Transylvania County Campus: 828.883.252
- Health Sciences Center: 828.694.1700

Registered Sex Offenders on Campus

The Federal Campus Sex Crimes Prevention Act requires registered sex offenders/predators to provide to the Henderson County or Transylvania County Sheriff's Office notice of each institution of higher education in the state at which the offender/predator is employed, carries on a vocation, or is a student. Members of the Blue Ridge community can find information about possible sexual offenders/predators in their area by calling (919) 856-6900, or visiting the following websites:

- National Sex Offender Public Registry: nsopw.gov
- NC Sex Offender Registry: sexoffender.ncsbi.gov

Clery Act: Campus Security

Blue Ridge Community College is committed to providing a safe and secure environment for all members of the College's community and visitors. The College shall comply with the Crime Awareness and Security Act of 1990, as amended by the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. Data is updated each year in October and can be found at blueridge.edu/about-brcc/police-and-public-safety. Please contact the Blue Ridge Chief of Police for more information regarding crime statistics.

Definitions

Campus Security Authority ("CSA") is a Clery-specific term that encompasses four groups of individuals and organizations associated with an educational institution:

1. A member of the educational institution's police department or campus security department;
2. Any individual(s) who has responsibility for campus security but who do not constitute a campus police department or a campus security department (e.g., an individual who is responsible for monitoring the entrance into the College's property);
3. Any individual or organization specified in an institution's statement of campus security policy as an individual or organization to which students and employees should report criminal offenses. For purposes of this College, these people include an employee's supervisor, a Vice President, the Human Resources Director, or a Campus Security/Resource Officer.
4. An official or who has significant responsibility for student and campus activities, including, but not limited to: student housing, student discipline, and campus judicial proceedings. An official is defined as any person who has the authority and the duty to take action or respond to particular issues on the College's behalf.

Clery Act Crimes are the following crimes that must be reported by Campus Security Authorities to law enforcement and crimes that are listed in the College's Annual Security Report:

1. Murder/non-negligent manslaughter; negligent manslaughter; sex offenses (forcible and non-forcible); domestic and dating violence; stalking; robbery; aggravated assault; burglary; motor vehicle theft; and arson;
2. Hate Crimes: any of the above-mentioned offenses, and any incidents of larceny-theft; simple assault; intimidation; or destruction/damage/vandalism of property that were motivated by bias on race, religion, ethnicity, national origin, gender, sexual orientation, gender identity or disability; and
3. Arrests and referrals for disciplinary action for weapons (carrying, possessing, etc); drug abuse violations and liquor law violations.

College Property is all the following property:

1. Campus Grounds, Buildings and Structures: Any building or property owned or controlled by the College within the same reasonably contiguous geographic area and used by the College in direct support or, or in a manner related to the College's educational purposes; and any building or property that is within or reasonably contiguous to such buildings or property that is owned by the College but controlled by another person and is frequently used by students and supports College purposes.
2. Off-Campus and Affiliated Property: Any building or property owned or controlled by a student organization that is officially recognized by the College; or any building or property owned or controlled by the College that is used in direct support or, in relation to, the College's educational purposes, is frequently used by students and is not within the same reasonably contiguous geographic area of the College.
3. Public Property: All thoroughfares, streets, sidewalks, and parking facilities that are within the campus, or immediately adjacent to and accessible from the campus.

Clery Act: Campus Security Reporting

Safety and Reporting Procedures: The College encourages all members of the College community to report suspicious or criminal activity to law enforcement as soon as possible. Crimes may be reported anonymously. In the event of a crime in progress or at any time there is a risk of harm to persons or property, call 911.

In addition, CSAs have a legal obligation to file a report of suspected criminal activity with law enforcement and with the Office of Student Services to ensure statistical inclusion of all Clery Act Crimes in the College's Annual Security Report when those crimes occur on or near College Property. Any individual identified by the College as a CSA shall receive notification of that designation and the requirement that the individual report information about Clery Act Crimes. Training will also be provided to all so designated persons. While CSAs must report any Clery Act Crime that comes to their attention, at the request of the victim, the victim's identity may remain anonymous.

To promote safety and security at the College, and in compliance with the Clery Act, the College shall:

- Submit crime statistics to the United States Department of Education;
- Maintain a daily crime log (open to public inspection);
- Issue campus alerts to timely warn the College community when there is information that a Clery Act Crime has occurred that represents a serious or ongoing threat to campus safety;
- Issue emergency notifications upon the confirmation of a significant emergency or dangerous situation involving an immediate threat to the health or safety of students or employees occurring on the campus. The College tests the emergency notification procedure biannually.
- Publish and maintain an Annual Security Report containing safety and security-related policy statements and statistics of Clery Act Crimes occurring on College Property. To prepare the Annual Security Report, the College collects, classifies, and counts crime reports and crime statistics.

  The Annual Security Report is available on the College's website and hard copies are available through the Office of Student Services for inspection.

Class Locations

Most curriculum and continuing education classes are held at the Henderson County Campus and the Transylvania County Campus of Blue Ridge Community College. The College's health care programs are housed in the Health Sciences Center, located in downtown Hendersonville adjacent to Pardee Hospital. Other continuing education courses are conducted throughout Henderson and Transylvania Counties at local public schools, community centers, churches, industries, businesses, or wherever a suitable meeting place can be arranged. Continuing Education classes may be organized in any community whenever a sufficient number of prospective class members indicate an interest.

Counseling

Counseling services are available for students who desire assistance with vocational, educational, or personal problems. All interviews with the counselor are conducted in strict confidence. Counselors are available both day and evening.

Disability Services

Blue Ridge Community College shall operate its programs, activities, and services to ensure that no otherwise qualified individuals with a disability shall be excluded from participating in, be denied the benefit of, or be subjected to discrimination under any such program, activity, or service solely by reason of their disability.

Individuals with disabilities (as defined in the Americans with Disabilities Act) wishing to make a request for a reasonable accommodation or desiring to file a complaint of alleged discrimination on the basis of disability should contact the Disability Services Office located in the Sink Building. It is the student's responsibility to request services from this office. Current documentation of the disability by an appropriate professional will be required. All information will be kept confidential. Students will be required to sign a release of information form before any special contact is made to arrange accommodations. Requests for reasonable accommodation should be made at least two weeks in advance to allow sufficient time for accommodations to be arranged.

Electronic Images

Blue Ridge Community College reserves the right to use photographs, motion pictures, and electronic images of students who are age 18 or older with the following provisions:

Such photographs, pictures, or images are taken on College property or at College-sponsored events; and

The use of such photographs, pictures, and images is for marketing and promotional purposes.

Objection to the use of an individual's photograph in such a manner may be made in writing to the Director of Marketing and Communications.

Electronic Mail

Student electronic mail is considered to be an official means of communication between the College and a curriculum student. Curriculum student email is an official account of Blue Ridge Community College. It is the property of the College and should be used only for institutional purposes. When a student submits an application to the college for a curriculum program of study, he/she will be issued a free student email account. Instructions to log into the student electronic mail system and other online resources can be found on the "Accounts for Distance Learning" webpage. Prior to each semester, students who are enrolled in any course that uses the College's learning management system (LMS), receive a letter containing their username, student ID number, and directions for logging into their accounts. Distance Learning brochures are available prior to each semester with "first login" directions. These brochures are distributed across all campuses, provided during advising. Seated Orientations for online students also include support for student account access. Students may contact the Blue Ridge Help Desk at 828.694.1895 for assistance with the first log in and password reset for all Blue Ridge accounts. Online students must activate their Blue Ridge email accounts as soon as possible following registration for classes.

Emergency Closings

Blue Ridge Community College will remain open as scheduled unless the following emergencies exist: (a) severe or inclement weather conditions that would endanger the adult population while traveling to and from places of employment such as in business, industry, and service agencies; (b) quarantines or epidemics declared by medical authorities for public health purposes; (c) critical power failure that would prevent normal operation of the school plant; (d) declared national or state emergencies or restrictions imposed by civil authorities; (e) bomb threats, conveyed by phone or other communications; (f) fire emergencies; (g) tornadoes; (h) disruptive activities; (i) financial emergency.

The College will publish closing or delayed schedule announcements using a variety of media. Students, employees, and members of the public can receive announcements via the College's website, local radio and television stations, or popular social media platforms. Current and active subscribers to the Blue Ridge Alert system may receive announcements via automated voice phone call, text message, or email. Announcements will specify openings, closings, and delayed schedules for both day and evening classes, the Henderson County Campus, the Transylvania County Campus, and the Health Sciences Center. Morning announcements will be made by 6 a.m. A separate announcement about evening classes will be made by 2 p.m.

Delay or cancellation of classes may not always coincide with announced closings of local public schools, colleges, or governmental agencies. It is also possible, for example, that classes at the Transylvania County Campus may be held while the Henderson County Campus is closed. In some cases, off-campus instruction may continue when safety permits and when those class locations are deemed operational by other agencies.

In cases when the College announces a late opening, students should report to the class/lab/clinical they would normally be in at the late opening time.

Emergency Contact of Students

In medical emergencies, a student may be contacted through the Student Services Division. Classes will not be disturbed to deliver personal messages except in emergencies as determined by the Vice President for Student Services or a designated substitute.

Emergency Medical Assistance

Blue Ridge Community College has no facilities for medical treatment. Students are encouraged to disclose any acute medical conditions to the Registrar's Office and to their instructors. Such information will be held in confidence.

Blue Ridge Community College personnel and/or individuals will contact emergency services at 911 and request first responder services in the event of a medical emergency.

Emergency Notification System: Blue Ridge Alert

Blue Ridge Community College offers an emergency messaging alert system as part of its comprehensive emergency preparedness plan to quickly notify students, faculty and staff of campus emergencies or campus closures via SMS text message, email, voice message or any combination of the three.

In the event of a campus emergency, it is vital that Blue Ridge Community College is able to contact students as quickly as possible with critical information regarding campus emergencies or closures. Students are strongly encouraged to sign-up online at alert.blueridge.edu.

Housing

The College does not provide housing; students commute to campus from their place of residence.

NCWorks Career Centers

NCWorks Career Centers, located on the Henderson County Campus in the Sink Building and on the Transylvania County Campus in the Straus Building, Room 141, provide a comprehensive system of services to area job seekers and businesses. Workforce Development Professionals from Blue Ridge Community College, Mountain Area Workforce Development, and the Department of Commerce Division of Workforce Solutions collaborate to offer career planning, training, placement, and business services. The Centers have an "open door" policy and serve anyone regardless of age or income level.

NCWorks Career Centers are committed to building an integrated economic and workforce development system in Henderson and Transylvania Counties which effectively pools the resources of diverse partner agencies and delivers optimal quality, customer-focused services. The Centers assist job seekers in choosing a career direction, identifying training programs and funding, refining job-seeking skills, finding employment, and career progression. Services to job seekers include:

- Career assessments/exploration and career counseling
- Employment coaching
- Job-seeking skills workshops
- ACT® WorkKeys Assessment in Communication, Problem Solving, Interpersonal and Personal Skills
- Preparation for and issuance of the North Carolina Career Readiness Certificate
- Workplace skills enhancement using Career Ready 101 curriculum
- Job readiness skills training

- Job search strategies
- Job referral
- Internet access to employment and training resources
- Information on community resources
- Resume consultation and preparation
- Computer software tutorials and assessments
- Workforce Innovation and Opportunity Act (WIOA) job training assistance funding as well as other scholarships and grants
- On-site Division of Workforce Solutions services

NCWorks Career Centers assist local businesses in finding well-trained, highly qualified employees by pre-screening applicants based on company specifications. Center staff members are available to test applicants using a variety of assessments, assist with specific training needs and advise companies on eligibility for financial incentives for hiring from specific populations. Business services include the following:

- ACT® WorkKeys Profiling on Nine Comprehensive Workplace Skills
- ACT® WorkKeys Assessment of all Twelve Cognitive
- and Interpersonal Skills
- Workplace skill enhancement using Career Ready 101 curriculum
- Online Job Listing Service through College Central Network and NCWorks Online
- On-the-Job Training
- Human Resource Consultation
- On-site job fairs
- On-site interviewing
- Computer software tutorials and assessments
- Compilation or review of Employee Handbooks
- Conducting Wage and Benefits Surveys

Print Shop

The College Print Shop offers photocopying and printing services for students at a nominal fee. All work is performed in strict accordance with federal copyright laws and N.C. General Statute 66-58(a).

Sexual Assault Victims' Notice of Rights

Blue Ridge Community College strives to make its campuses safe and welcoming learning environments. Pursuant to federal law, the College shall afford all sexual assault victims certain basic rights:

1. Accuser and accused must have the same opportunity to have others present during disciplinary hearings;
2. Both parties shall be informed of the outcome of any disciplinary proceeding;
3. Sexual assault victims shall be informed of their options to notify law enforcement;
4. Sexual assault victims shall be notified of counseling services; and
5. Sexual assault victims shall be notified of options for changing academic and living situations.

Reporting a Sexual Harassment/Discrimination Claim

The College is committed to providing and promoting an atmosphere in which students can fully engage in the learning process. Sexual, gender, and other unlawful harassment or discrimination, as well as sexual violence, are prohibited. For more information, consult the College's Policies and Procedures (specifically, Harassment/Discrimination; Student Rights; and Sexual Assault Victims' Notice of Rights).

For more information or to make a report, please contact the College's Title IX Coordinator (who is also the Vice President for Student Services) at 828.694-1804.

Student Accident Insurance

Students covered under the student accident insurance policy should notify the Vice President for Student Services or a designee within forty-eight (48) hours of an accident. The Vice President for Student Services or a designee will assist the student in making a claim to the insurance company.

Student Ambassador Program

The Student Ambassador Program involves an honorary group of students who participate in public relations and recruiting activities for Blue Ridge Community College. Student Ambassadors provide an invaluable service to the College by serving as liaisons between the College, its students, and the community. Student Ambassadors represent the diverse areas of the College and have a variety of career goals and experiences. Ambassadors are required to maintain a 3.0 GPA, be in good standing with the college both academically and financially. Student Ambassadors commit to serving a period of three semesters, from Fall Semester to the Summer Semester of an academic year. Students will be required to assist with recruiting, orientation, and campus tours during the academic year.

Student Ambassadors are selected from both the Henderson County and the Transylvania County campuses. They may be asked to serve at functions on either campus. Scholarship assistance may be available for Student Ambassadors. For more information on the Blue Ridge Student Ambassador program, please contact a Student Services representative on either campus. The application period occurs each Spring.

Student Government Association (SGA)

The Student Government Association (SGA) is made up of representatives from the student body. SGA coordinates and regulates student activities and serves as the official voice of the student body. All curriculum students who pay an activity fee are considered members of SGA and are welcome and encouraged to attend meetings. The President of the SGA is a non-voting member of the Blue Ridge Board of Trustees and the President's Council. The SGA constitution can be found in the Office of the Coordinator of Student Life, located in the Killian Building.

The Blue Ridge Student Government Association focuses on providing students with opportunities that encourage connection to the college, leadership growth, and advocating for all students.

Student Activity Fee

State funds cannot be used for extracurricular activities; therefore, such activities at Blue Ridge Community College are established and maintained by the Student Government Association (SGA) funds. These SGA funds are derived from the activity fee. Their use is determined by the SGA.

Student Center

The Student Center on the Henderson County Campus is located in the Killian Building. Wireless Internet access is available as well as game tables and vending. The Student Center on the Transylvania County Campus is located in the Straus Building.

Student Consumer Information

Blue Ridge Community College believes it has a major responsibility in helping students to make sound decisions about availing themselves of the educational opportunities available at the College. Through the admissions process and beyond, the College shall endeavor to provide accurate and reliable information about its programs of study and career fields they represent. Graduation rates by program, opportunities for employment in the chosen field, and average salary rates are available upon request from the Student Services Division and on the College website.

Student Identification Cards

All curriculum students (full-time or part-time) enrolled at Blue Ridge and taking classes on campus are required to obtain a student identification (ID) card at the time of registration for classes. ID cards will have a photograph of the student and will contain embedded data. The card may be used at the College Library, in Blue Ridge computer labs, or for admission to College activities or events. Students enrolled in certain classes, such as "clinical site" classes, must display their Blue Ridge ID. ID cards will be issued at the College Bookstore. To obtain an ID card, students must have a current semester schedule and a valid photo identification. Students will be charged a nominal fee for the first ID card. All ID cards will remain valid for one year. The President, a College Vice President, and Security Officers have the authority to retrieve a student ID card in the event of disciplinary action by the college, such as suspension or dismissal, or in the event of misuse of the card, such as using the card for false identification.

Sustainability Policy

Blue Ridge Community College is committed to providing a sustainable campus by reducing, reusing, and recycling resources, and adopting sound institutional energy conservation practices to enhance the long-term, well-being of the College.

Visitors on Campus

Classes should not be interrupted by visitors except in cases of emergency or by permission of the instructor. Visitors coming to see students are directed to the Student Services Office.

The College encourages visitors to campus, but due to certain hazards that may exist on campus, children must be supervised at all times by a responsible adult who shall be deemed responsible for the children's actions. Children who are unsupervised must be considered to be in a dangerous position. An administrator should be alerted immediately. Students should not bring children with them to class.

Stalking, as defined in North Carolina General Statute 14-277.3, is the following or being in the presence of someone without legal purpose, with the intent to cause emotional distress by placing that person in fear of death or bodily injury. Such activity is illegal and should be reported to the Vice President for Student Services or the Vice President for Finance and Operations.

Domestic animals are permitted on College grounds only under the following conditions:

1. Domestic animals on College grounds must be restrained at all times and kept on a hand-held leash.
2. Domestic animals may not be tethered or unattended for any length of time.
3. All domestic animals must have evidence of rabies vaccinations.
4. Persons walking domestic animals on campus are responsible for removing any refuse left by the animal and depositing such in a proper receptacle.
5. No domestic animal defined as dangerous by either state or county law is allowed on College grounds at any time.

Domestic animals may not be left in cars.

Animals are permitted on College grounds only under certain conditions. Refer to Procedure 2.14.7 Animals on Campus. For more information, contact the Disability Services Office.

Student Rights and Responsibilities

Academic Honesty

Blue Ridge Community College operates under the premise of academic honesty. The policy is that plagiarism and cheating are prohibited. Whereas it is the instructor's responsibility to create an environment in which academic honesty is expected, it is the student's obligation to uphold this policy.

A student is responsible for authenticating any assignment submitted to an instructor. If asked, the student must be able to substantiate to the instructor's satisfaction that the assignment submitted is actually his/her own work. The instructor may employ various means of ascertaining authenticity, such as requiring photocopies of source documents, requiring copies of all drafts of the work, engaging in Internet searches, creating quizzes based on student work, requiring the student to explain the work and/or process orally, etc.

Attendance

The regularity of class attendance is necessary in order to receive maximum benefits from the program offered and for maintenance of a satisfactory academic record. Whenever students' attendance or punctuality endangers their own success or that of other students, they may be withdrawn from the course. A student may be withdrawn for absences if any of the following occur:

Accumulating a combination of excused or unexcused absences exceeding ten (10) percent of the scheduled class contact hours for the semester. Three tardies constitute one class absence. In online and hybrid classes, missing weekly assignments that are academically related, excluding simple logins and/or email, are considered "absences".

Logging into an online course but NOT completing graded activities for 14 consecutive days AND failing to communicate with the instructor during that time period. Submission of any graded activity, including those with failing grades, will constitute attendance in the class.

Instructors will make good faith efforts to stay in contact with students who stop attending their course(s). If after repeated communication attempts it becomes necessary to withdraw a student for non-attendance, the withdrawal must be completed between 14 and 25 days of non-attendance, and no later than 30 days of non-attendance. It is very important that the withdrawal grade and last date of attendance are provided on the withdrawal. In exceptional circumstances, such as in the case of illness, an instructor may allow a student to remain in class if in the instructor's opinion the student has a reasonable chance of completing the course objectives. The instructor should maintain documentation of any communication with the student and/or his/her family.

A student is expected to confer with each instructor before anticipated or after unavoidable absences. The responsibility for making up classwork rests entirely with the student. In exceptional circumstances, such as in the case of illness, an instructor may allow a student to remain in class if the student has a reasonable chance of successfully completing the course learning outcomes.

When a student is to be withdrawn from a course for excessive absences, the instructor initiates the withdrawal process of the student from course enrollment following documented procedures. The instructor will provide a withdrawal grade, reason for withdrawal, and the last date of attendance. No refund of tuition is authorized for students withdrawn for excessive absences by instructors.

In accordance with the State Board of Community Colleges Code, a student may be extended up to two (2) excused absences during each academic year for religious observances required by that student's faith. In each case, the student must provide written notice of the request for such an excused absence to his/her instructor(s). For all regularly scheduled observances, such requests must be made to each affected instructor within the first week of each class on a form provided by the College. Otherwise, the request must be submitted at least two weeks prior to the requested absence on the form provided. If the day(s) of observance falls on the first day of class, such a request shall be made to the Vice President for Instruction and immediately thereafter to the instructor. Where multiple classes may be missed, the student shall provide notification to each affected instructor. Instructors shall provide a record of excused absences using this provision to the Office for Instruction within a time frame deemed reasonable by the instructor. Excused absences for religious observation shall be recorded as a student absence toward the ten percent maximum as provided for in "Subsection A" above. For the purposes herein, a day of religious observation means an observance that is part of a sincerely-held religious belief that the student would otherwise be able to attend but for having to attend class.

See college procedure 4.12.1 Student class attendance for more information.

A student's absence while participating in a College-sponsored or approved activity (excluding SGA sponsored events) will be considered an excused absence for participating students. Such excused absences will not be considered in the students' class attendance for withdrawal purposes, nor will excused absences be included in the determination of a grade for "participation" of which class attendance is a part. The responsibility for making up classwork rests entirely with the student. All assignments, tests, labs, class time, and final exams to be missed due to College-sponsored or approved activity will be rescheduled prior to the excused absences or otherwise rescheduled at the discretion of the instructor.

Closings or delayed openings of Blue Ridge Community College may not correspond with the closings or delayed openings of the public school system in Henderson and/or Transylvania Counties. High school students who are dependent on transportation provided by the public school system may be unable to attend class on days that the public schools are closed or delayed if Blue Ridge Community College is on a normal schedule.

Absences caused by this situation will not be considered in the students' class attendance for withdrawal purposes, nor will the absences be included in the determination of a grade for the participation of which class attendance is a part. The responsibility for making up classwork rests entirely with the student, and it is the student's responsibility to communicate to the instructor that they are dependent on public school transportation.

Campus Parking and Traffic Regulations

Blue Ridge Police and Public Safety personnel are employed to enforce the parking rules, traffic offenses and to work motor vehicle accidents on Blue Ridge Community College campuses. Other State and local law enforcement agencies will also prosecute for violations of applicable laws on campus and assist with reports and enforcement when necessary. In case of an accident, contact Blue Ridge Police and Public Safety, which will assist with what steps to take.

Students and employees parking on campus must display a valid parking decal. Temporary handicapped decals, valid only on campus with Blue Ridge Police and Public Safety, may be obtained from the Police and Public Safety Department. Park only in designated parking places, obey posted parking and traffic signs, and observe flow-of-traffic arrows and "stop" markings painted on paved roads and lots. Vehicles found to be in violation of the following rules and regulations may be towed at the owner's expense: unauthorized parking in a handicap space, unauthorized parking in a reserved space, parking in an area not designated for parking, parking in a manner that creates a hazard, and abandoned vehicles.

The College is authorized to collect a fine of up to $25 for any violations of the College policies regarding parking and traffic regulations.

Parking and Traffic Offenses

Parking in Unauthorized Areas (e.g. fire lanes, driveways, lawns, and spaces designated by marked signs, such as walkways, fire hydrants, loading zones, etc.)

Careless and Reckless Driving

Speeding

Failure to Yield to Pedestrian

Parking in Handicapped Space

Parking in Fire Lanes

Questions about College parking regulations should be directed to the Chief of Police.

Computer Usage

Students must adhere to the following policy concerning computer usage at Blue Ridge Community College.

The following are a few examples but not a comprehensive list of unauthorized uses of the Blue Ridge network or other computer resources:

1. Use of any assigned technology account by someone other than the student for whom the account is specifically designated.
2. Interfering with the ability of other users to make effective use of Blue Ridge network, computer, telecommunications, or other technology resources or services.
3. Gaining illegal access to files, damaging systems or information, or using any College technology for illegal activities
4. Interfering with the effective operation of the College bandwidth capacity or network monitoring systems.
5. Creating computer worms or viruses or deliberately infecting College property.
6. Using College technology resources, facilities, or equipment for commercial use or for personal use or profit.
7. Sending, receiving, or viewing threatening, abusive, obscene, or pornographic messages, language, material, or files to others, including posting such on a website or otherwise displaying such.
8. Using unauthorized file-sharing programs for accessing music, videos, movies, games, network files, applications, or other unauthorized activities.
9. Using College resources to violate copyright protection, transmit or store any copyrighted work without proper authorization from the copyright holder

All student webpages hosted on systems or College servers or those linked to College resources must comply with Blue Ridge acceptable use policies.

Student email is an official means of communication between students and instructors. It is the property of the College and should be used only for institutional purposes. When a student submits an application to the college for a curriculum program of study, he/she will be issued a free student email account.

Public Wireless Network Terms and Conditions of Use

By using Blue Ridge Community College wireless network brcc-public-wireless, students agree to be bound by and comply with the terms of use specified below. If you do not agree to these terms of use, you are not authorized to use Blue Ridge Community College's network resources. The wireless Internet access provided to visitors of the Blue Ridge campuses is for use free of charge and is limited to web and email access to off-campus hosts and web access only to on-campus hosts.

Wireless network access is provided on an “as is” and “as available” basis. Blue Ridge Community College does not warrant that this service will be uninterrupted, error-free, or free of viruses or other harmful components. All users should be aware that there are security, privacy, and confidentiality risks inherent in the use of wireless communications and technology. Blue Ridge does not make any assurances or warranties relating to such risks. Blue Ridge will not be responsible for any personal information that is compromised nor will Blue Ridge be responsible for any damages to hardware or software resulting from the use of the Blue Ridge network.

By using Blue Ridge Community College’s network, you fully agree that Blue Ridge is not liable, and hereby fully release, hold harmless and indemnify, Blue Ridge for any costs or damages arising from the use of this service. You also fully understand that Blue Ridge does not control any materials, information, products, or services on the Internet and your wireless network traffic may be monitored by Blue Ridge officials as a part of the normal network management processes. Furthermore, you agree to abide by any applicable federal, state, and local laws including US and International copyright laws.

Students are expected to comply with all College published policies and procedures.

All computer software on College computers is protected by federal copyright laws and by legal licensing agreements. Copying, providing, receiving, or using copyrighted material may be in violation of licensing agreements.

Violations of computer use policies by students must be reported to the Vice President for General Administration and/or CIO and/or the Vice President for Student Services. Individuals violating these guidelines will immediately lose their access rights; other disciplinary actions may also be taken by the College.

The College reserves the right to inspect all information on the network in order to ensure compliance with these policies, applicable laws, and regulations.

Users should not assume that any use not listed is otherwise excluded. Questions regarding whether a specific use is permitted should be referred to the Director of Information Technologies. Blue Ridge departments may have additional rules relative to computer or equipment used in their respective areas. Users are expected to abide by such rules.

Unlawful Discrimination And Harassment

The College strives to make its campuses inclusive and a safe and welcoming learning environment for all members of the College community. Pursuant to multiple federal and state laws and administrative regulations and pursuant to College policy, the College prohibits discrimination in its activities, services, and programs based on race, religion, color, national origin, sex, sexual orientation, gender, gender identity or expression, pregnancy, age, disability, genetic information, political affiliation, veterans’ status, or other protected class in accordance with all applicable federal, state and local laws.

DEFINITIONS

The following definitions shall apply to this Procedure and shall be collectively referred to herein as “Unlawful Discrimination.”

The definitions are not intended to operate as speech codes, promote content and viewpoint discrimination or suppress minority viewpoints in the academic setting. Indeed, just because a student’s speech or expression is deemed offensive by others does not mean it constitutes discrimination or harassment.

In applying these definitions, College administrators shall view the speech or expression in its context and totality and shall apply the following standard: the alleged victim subjectively views the conduct as discrimination or harassment and that the conduct is objectively severe or pervasive enough that a reasonable person would agree that the conduct is discriminatory or harassing.

Discrimination

Any act or failure to act that unreasonably differentiates treatment of others based solely on their Protected Status and is sufficiently serious, based on the perspective of a reasonable person, to unreasonably interfere with or limit the ability of that individual to participate in, access, or benefit from the College’s programs and activities. Discrimination may be intentional or unintentional.

Harassment

A type of Discrimination that happens when verbal, physical, electronic, or other behavior based on a person’s Protected Status interferes with a person’s participation in the College’s programs and activities and it either creates an environment that a reasonable person would find hostile, intimidated or abusive or where submitting to or rejecting the conduct is used as the basis for decisions that affect the person’s participation in the College’s programs and activities.

Harassment may include but is not limited to: threatening or intimidating conduct directed at another because of the individual’s Protected Status; ethnic slurs, negative stereotypes, and hostile acts based on an individual’s Protected Status.

Protected Status

Race, color, national origin, religion, sex, gender identity, sexual orientation, pregnancy, disability, genetic information, age, political affiliation, or veterans’ status.

Standard of Evidence

The College uses a preponderance of evidence as the standard for proof of whether a violation occurred. In the student due process hearing and employee grievance process, legal terms like "guilt, "innocence" and "burden of proof" are not applicable. Student and employee due process hearings are conducted to take into account the totality of all evidence available from all relevant sources. The College will find the alleged Perpetrator either "responsible" or "not responsible" for violating these Procedures.

STATEMENTS OF PROHIBITION

Prohibition of Retaliation:

The College strictly prohibits punishing students or employees for asserting their rights to be free from Unlawful Discrimination. Retaliation against any person participating in connection with a complaint of Unlawful Discrimination is strictly prohibited. Reports of retaliation will be addressed through this procedure and/or other applicable College procedures. Retaliation includes, but is not limited to, any form of intimidation, punitive actions from authority figures or peers, reprisal (acts of vengeance), or harassment. Retaliation is a serious violation and should be reported immediately. The College will take appropriate disciplinary action against any employee or student found to have retaliated against another.

Prohibition of Providing False Information:

Any individual who knowingly files a false report or complaint, who knowingly provides false information to College officials, or who intentionally misleads College officials involved in the investigation or resolution of a complaint may be subject to disciplinary action including, but not limited to, expulsion or employment termination. The College recognizes that an allegation made in good faith will not be considered false when the evidence does not confirm the allegation(s) of Unlawful Discrimination.

REQUESTING ACCOMMODATIONS

Students: Students with disabilities wishing to make a request for reasonable accommodations, auxiliary communication aids or services, or materials in alternative accessible formats should contact the College's Division for Student Services. Information provided by students is voluntary and strict confidentiality is maintained. All requests for accommodations will be considered following the appropriate federal and state laws.

The College will also provide reasonable accommodation of a student's religious beliefs/practices provided such expression/practice does not create a hostile environment for other students and employees and/or the accommodation does not cause undue hardship for the College.

REPORTING OPTIONS

Student Complaints: Any student wishing to make a report relating to Unlawful Discrimination may do so by reporting the concern to the College's Division for Student Services.

For Unlawful Discrimination incidents between students and employees, the Vice President for Student Services will work in partnership with the Director of Human Resources to investigate and resolve the allegations.

INITIAL INVESTIGATION

As these Procedures apply to both students and employees as either the Complainant or the Respondent, the administrator receiving the incident report will determine if the case should be handled by 1) the Vice President for Student Services, or designee (student/student); 2) the Director of Human Resources, or designee (employee/employee); or 3) both (student/employee). For incidents involving students and employees, the College will utilize the process for both the student investigation and the employee investigation sections as applicable.

Student Investigation

Students filing complaints ("Complainants") are urged to do so in writing as soon as possible but no later than thirty (30) days after disclosure or discovery of the facts giving rise to the complaint. Complaints submitted after the thirty (30) day period will still be investigated; however, Complainants should recognize that delays in reporting may significantly impair the ability of College officials to investigate and respond to such complaints. The Vice President shall fully investigate any complaints and will, as needed and if the complaint also involves an employee, collaborate with the College's Director of Human Resources. During the course of the investigation, the Vice President may consult with other relevant College administrators and the College Attorney.

During the investigation, and if applicable to the complaint, the Vice President shall meet with the Complainant and the alleged Perpetrator ("Respondent") separately and give each party an equal opportunity to provide evidence, including informing the Vice President of any potential witnesses. Both parties will be given access to any information provided by the other in accordance with any federal or state confidentiality laws.

During the investigation process, the Vice President may implement temporary measures in order to facilitate an efficient and thorough investigation process as well as to protect the rights of all parties involved. The temporary actions include, but are not limited to: reassignment of class schedules; temporary suspension from campus (but be allowed to complete coursework); or the directives that include no contact between the involved parties.

A confidential file regarding the complaint shall be maintained by the Vice President. To the extent possible, the College will keep all information relating to the complaint and investigations confidential; however, to maintain compliance with the Clery Act, both parties will be informed of the outcome of any institutional proceedings under these Procedures.

The Vice President shall make every effort to conclude the investigation as soon as possible but no later than thirty (30) calendar days. If the nature of the investigation requires additional time, the Vice President may have an additional ten (10) calendar days to complete the investigation. The Vice President shall notify the parties of this extension.

Complainants and Respondents will be notified of available counseling services and their options of changing academic situations and other interim protective measures.

RECOMMENDATION AND APPEAL

Students

After the investigation is complete, the Vice President will put forward a recommendation of finding, based on the Standard of Evidence, and sanction(s) to both the Complainant and Respondent. If the recommendation is accepted by both parties involved, the recommendation and sanction(s) will become effective. The Vice President will submit to each party a final outcome letter that will include, but not limited to, the following:

- Determination if the Respondent is responsible or not responsible for violating these Procedures;
- Sanction;
- Whether monitoring of academic schedules is needed between the parties to ensure that the individuals involved are not in classes together (the Vice President will assist in this process).
- Short-term College counseling services available to each party.

If the Vice President's recommendations are not accepted by either the Complainant or the Respondent, both may appeal and request a formal hearing. If the Vice President recommends sanctions that s/he cannot impose (i.e., expulsion), the matter shall automatically be set for a hearing. The President will preside over the hearing as the Presiding Officer. The process for the hearing is outlined below:

1. Prior to the hearing, the Complainant and the Respondent have the right to review all evidence, including written statements by the Respondent, the Complainant, or witnesses. Strict rules of evidence do not apply. The Standard of Evidence shall apply for the hearing.
2. Written notice including the date, time, and location of the hearing will be sent to all parties.
3. At the hearing, all pertinent parties have a right to speak and be questioned by the Presiding Officer. Cross-examination between parties is not permitted. The College will provide options for questioning without confrontation. Each phase of the hearing will be heard by both parties in separate rooms by the use of a speakerphone.
4. The Complainant and the Respondent are allowed to be accompanied by an advocate. The advocate may not present on behalf of either party unless otherwise instructed to do so by the Presiding Officer. If the Complainant or the Respondent chooses to have an advocate who is an attorney, notification must be provided to the Presiding Officer at least three (3) College business days prior to the hearing date. In this case, the College Attorney will also be present.
5. Both parties have a right to a written notice of the hearing outcome.

Sanctioning

The following sanctions may be imposed for those who have violated these Procedures.

- Verbal or Written Warning
- Probation
- Administrative withdrawal from a course without refund
- Required Counseling
- No Contact Directive
- Suspension
- Expulsion (President must impose)
- Other consequences deemed appropriate

Sexual Harassment and Violence

Blue Ridge Community College strives to make its campuses inclusive and a safe and welcoming learning environment for all members of the College community. Pursuant to multiple federal and state laws and administrative regulations and pursuant to College policy, the College prohibits discrimination in its activities, services, and programs based on sex, sexual orientation, gender, and gender identity.

Title IX is a comprehensive federal law that prohibits discrimination on the basis of sex in any federally funded education program or activity. Under Title IX, discrimination on the basis of sex includes quid pro quo harassment; sexual harassment; and sexual assault, stalking, dating or domestic violence (collectively referred to as "sexual harassment"). The College's Title IX Coordinator has oversight responsibility for handling Sexual Harassment complaints and for identifying and addressing any patterns and/or systemic problems involving sexual discrimination or harassment. All allegations involving sexual harassment should be directed to the College's Title IX Coordinator and addressed under these procedures. For other complaints of discrimination and harassment not related to sexual harassment, refer to Unlawful Discrimination and Harassment Procedure 3.15.1

DEFINITIONS

The following definitions shall apply to this Procedure. The definitions are not intended to operate as speech codes, promote content and viewpoint discrimination, or suppress minority viewpoints in the academic setting. Indeed, just because a student's speech or expression is deemed offensive by others does not mean it constitutes discrimination or harassment.

In applying these definitions, College administrators shall view the speech or expression in its context and totality and shall apply the following standard: the alleged victim subjectively views the conduct as discrimination or harassment and that the conduct is objectively severe or pervasive enough that a reasonable person would agree that the conduct is discriminatory or harassing.

Actual Knowledge

Notice of sexual harassment or allegations of sexual harassment by the Title IX Coordinator or any College official who has authority to institute corrective measures on behalf of the College. Actual knowledge is not met when the only College official with actual knowledge is a Respondent.

Complainant

An individual who is alleged to be the victim of conduct that could constitute sexual harassment.

Consent

Explicit approval to engage in sexual activity demonstrated by clear actions or words. This decision must be made freely and actively by all participants. Non-verbal communication, silence, passivity or lack of active resistance does not imply consent. In addition, previous participation in sexual activity does not indicate current consent to participate and consent to one form of sexual activity does not imply consent to other forms of sexual activity. Consent has not been obtained in situations where the individual: i) is forced, pressured, manipulated or has reasonable fear that they will be injured if they do not submit to the act; ii) is incapable of giving consent or is prevented from resisting due to physical or mental incapacity (including being under the influence of drugs or alcohol); or iii) has a mental or physical disability which inhibits his/her ability to give consent to sexual activity.

Dating Violence

Crimes of violence against a person with whom the person has or had a social relationship or a romantic or intimate relationship.

Domestic Violence

Crimes of violence against a current or former spouse or intimate partner, a person with whom the student shares a child in common, a person with whom the student cohabitates or has cohabitated as a spouse, a person similarly situated to the student as a spouse, a person who is related to the student as a parent, child or person who is related to the student as a grandparent or grandchild.

Education Program or Activity

For purposes of these Procedures, this means any locations, events, or circumstances over which the College exercised substantial control over both the Respondent(s) and the context in which the alleged sexual harassment occurs. It also means any building owned or controlled by a student organization that is officially recognized by the College.

Formal Complaint

A document filed by a Complainant or signed by the Title IX Coordinator alleging sexual harassment against a Respondent and requesting the College investigate the allegation(s). A Formal Complaint initiates a formal grievance process in which parties are entitled to due process protections.

Informal Resolution

A resolution reached regarding an allegation of sexual harassment without the filing of a Formal Complaint. Informal Resolution may include mediation, facilitated dialogue, conflict coaching, restorative justice, or other models of alternative dispute resolution. Informal Resolution cannot be used for a student's allegation of sexual harassment against a College employee.

Respondent

An individual who has been reported to be the perpetrator of conduct that could constitute sexual harassment.

Retaliation

To intimidate, threaten, coerce, or discriminate against any individual for the purpose of interfering with any right or privilege secured by Title IX or because the individual has made a report or complaint, testified, assisted, participated, or refused to participate in any manner in an investigation, proceeding, or hearing under these Procedures.

Sexual Assault

An offense that meets the definition of rape, fondling, incest, or statutory rape as used in the FBI's Uniform Crime Reporting system.

Sexual Harassment

Quid pro quo harassment; unwelcome conduct that a reasonable person would find so severe, pervasive, and objectively offensive that it effectively denies a person equal access to the College's education program or activity, including conduct based on sex stereotyping; or any instance of sexual assault, dating violence, domestic violence, or stalking.

Quid pro quo harassment is a person having power or authority over another and conditioning an educational or employment benefit or service or access to receiving the educational or employment benefit or service upon a person's participation in unwelcome sexual conduct.

Stalking

Engaging in a course of conduct directed to a specific person that would cause a reasonable person to fear for his/her safety or the safety of others or suffer substantial emotional distress.

Standard of Evidence

The College uses clear and convincing as the standard for proof of whether a violation occurred. In the student due process hearing and employee grievance process, legal terms like “guilt, “innocence” and “burden of proof” are not applicable. Student and employee due process hearings are conducted to take into account the totality of all evidence available from all relevant sources. The College will find the alleged Respondent either “responsible” or “not responsible” for violating these Procedures.

Supportive Measures

Individualized services reasonably available that are non-punitive, non-disciplinary, and not unreasonably burdensome to the other party that are designed to ensure equal educational access, protect safety, or deter sexual harassment, Examples of support measures are counseling, extensions of deadlines or other course-related adjustments, modifications of work or class schedules, campus escort services, mutual restrictions on contact between the parties, leaves of absences, increased security and monitoring of certain areas of the College, and other similar measures.

Title IX Coordinator

For purpose of these Procedures, the Title IX Coordinator refers to the Vice President for Student Services. The Title IX Coordinator's office is in the Sink Building. The phone number is 828-694-1804 and the email is kirstenb@blueridge.edu

SCOPE AND APPLICABILITY

These procedures apply to the conduct of and protect:

1. College students and applicants for admission into the College
2. College employees and applicants for employment
3. College student organizations
4. Third parties participating in a College education program or activity

These Procedures apply to conduct that occurs in a College Education Program or Activity located within the United States and of which the College has actual knowledge.

REPORTING

Reporting to Local Law Enforcement

Individuals may report sexual misconduct directly to local law enforcement agencies by dialing 911. Individuals who make a criminal allegation may also choose to pursue College grievance procedure simultaneously. A criminal investigation into the matter does not release the College from its obligation to conduct its own investigation (nor is a criminal investigation determinative of whether sexual harassment has occurred). However, the College’s investigation may be delayed temporarily while the criminal investigators are gathering evidence. In the event of such a delay, the College must take interim measures when necessary to protect the alleged Complainant and/or the College community.

Individuals may choose not to report alleged sexual harassment to law enforcement authorities. The College respects and supports individuals’ decisions regarding reporting; nevertheless, the College may notify appropriate law enforcement authorities if required or warranted by the nature of the allegations.

Reporting to College Officials

The College’s Title IX Coordinator oversees compliance with these Procedures and Title IX regulations. Questions about these Procedures should be directed to the Title IX Coordinator. Anyone wishing to make a report relating to Sexual Harassment may do so by reporting the concern to the College’s Title IX Coordinator in person, by mail, by telephone, by email, or by any other means that results in the Title IX Coordinator receiving the person's verbal or written report of alleged sexual harassment.

For Sexual Misconduct incidents between students and employees, the Title IX Coordinator will work in partnership with the Director of Human Resources to investigate and resolve the allegations.

GRIEVANCE PROCEDURES

Scope

1. Use of these grievance procedures applies to reports alleging sexual harassment carried out by employees, students, or third parties.
2. All reports of sexual harassment are taken seriously. At the same time, those accused of sexual harassment are presumed "not responsible" throughout this grievance procedure.

Initial College Response and Assessment

After receiving a report of sexual harassment, the Title IX Coordinator takes immediate and appropriate steps to:

1. Communicate with the individual who reported the alleged conduct;
2. Implement supportive measures to eliminate and prevent the recurrence of sex harassment, deter retaliation, remedy the effects of sex harassment, and provide due process rights during a College investigation;
3. Provide the individual with a copy of this Policy and Procedure; and

4. Determine whether the alleged conduct, as described by the reporting party, falls within the scope of this policy and if so, initiate the investigation and resolution procedures outlined below.
5. The Title IX Coordinator may delegate the authority to take some or all of these steps to a Deputy Title IX Coordinator.

The Title IX Coordinator must administratively close a report or complaint of sexual harassment if after an initial assessment:

1. The allegations as stated do not constitute a violation of this Policy and Procedure, even if proven; or
2. The alleged sexual harassment did not occur in the College's Education Program or Activity or did not occur in the United States.
3. The Title IX Coordinator will notify the parties if a report or complaint of sexual harassment is closed under this section, including the reason(s) for closure, and direct the parties to the appropriate College office or department to resolve the report or complaint. All parties may appeal the Title IX Coordinator's dismissal of a Formal Complaint under this section by using the appeal procedures in Section VI, below.

The Title IX Coordinator may administratively close a report or complaint of sexual harassment if:

1. The Complainant, at any time, requests withdrawal of the report or complaint;
2. The Respondent is no longer enrolled or employed by the College; or
3. The College is prevented from gathering evidence sufficient to reach a determination of responsibility.
4. The Title IX Coordinator will notify the parties if a report or complaint of sexual harassment is closed under this section, including the reason(s) for closure, and direct the parties to the appropriate College office or department to resolve the report or complaint. All parties may appeal the Title IX Coordinator's dismissal of a Formal Complaint under this section by using the appeal procedures in Section VI, below.

Regardless of when alleged sexual harassment is reported, a Complainant must be participating in or attempting to participate in the College's education program or activity for a Formal Complaint to be filed.

Informal Resolution

Any party may request the College facilitate an informal resolution to a sexual harassment complaint at any time after the filing of a Formal Complaint. The Title IX Coordinator may offer the parties the opportunity for informal resolution, too.

1. Upon a request for informal resolution, the Title IX Coordinator determines whether informal resolution is appropriate based on the facts and circumstances of the case. The Title IX Coordinator ensures that any proposed informal resolution is consistent with the College's obligations to prevent and redress sexual harassment.
2. A student's allegations of sexual harassment against a College employee are not eligible for informal resolution.
3. The Title IX Coordinator provides the parties with written notice of proceeding with an informal resolution, including the allegations of sexual harassment, the requirements of the informal resolution process, and potential outcomes resulting from participating in the informal resolution process.
4. The Title IX Coordinator also designates an independent, neutral person to facilitate the informal resolution.

Informal resolution is voluntary.

1. The Complainant and Respondent must provide written consent for informal resolution to take place.
2. Any party has a right to end the informal resolution process at any time prior to agreeing to a resolution and begin or continue the formal investigation and grievance process.

Informal resolution concludes the matter only when all parties have signed a written agreement that confirms resolution of the allegations.

1. The resolution agreement must include a waiver of the parties' right to have a formal hearing on the allegations that have been informally resolved.
2. Parties are prohibited from revoking or appealing a resolution agreement. Should the Respondent violate the terms of an informal resolution agreement, such violation will subject the Respondent to an investigation and the formal grievance process contained in this procedure.

If a resolution agreement is not reached, the College will continue with a formal investigation.

Investigations

The goal of a formal investigation is to reach a determination as to whether a Respondent has violated one or more College policies prohibiting sexual harassment and if so, remedy the effects of a violation.

1. The Title IX Coordinator may include possible violations of other College policies that contributed to, arose from, or are otherwise related to alleged violations of this Policy and Procedure in the scope of an investigation.
2. The Title IX Coordinator gives written notice to the Complainant and Respondent of the investigation, providing sufficient details to allow the parties to respond and prepare for initial interviews, including the identity of the parties involved (if known), the conduct alleged to be sexual harassment, the date and location of alleged incidents (if known), a statement that the Respondent is presumed not responsible

and a determination of responsibility is made at the conclusion of the process, information regarding the parties' right to an advisor and the right to review evidence, and notice that the College prohibits knowingly making false statements or submitting false information during the grievance process.

3. The Title IX Coordinator designates an investigator to investigate the allegations of sexual harassment.

Parties to an investigation can expect a prompt, thorough, and equitable investigation of complaints, including the opportunity for parties to ask questions, present witnesses and provide information regarding the allegations.

Parties and witnesses should cooperate in the investigation process to the extent required by law and this policy.

The standard of proof used in investigations is clear and convincing. It is the College's responsibility to establish the standard of proof and gather evidence during investigations.

The College aims to bring all investigations to a resolution within thirty (30) business days from the date the Title IX Coordinator determines an investigation will commence.

1. Extensions of timeframe for good cause are allowed, so long as written notice and the reason for the delay are provided to the parties. Good cause includes:

1. The complexity and/or number of the allegations;
2. The severity and extent of the alleged misconduct;
3. The number of parties, witnesses, and other types of evidence involved;
4. The availability of the parties, witnesses, and evidence;
5. A request by a party to delay an investigation;
6. The effect of a concurrent criminal investigation or proceeding;
7. Intervening holidays, College breaks, or other closures;
8. Good faith efforts to reach a resolution; or
9. Other unforeseen circumstances.

    2. Investigations typically include interviews with the Complainant, the Respondent, and any witnesses, and the objective evaluation of any physical, documentary, or other evidence as appropriate and available. The College will give the Complainant and the Respondent written notice of any interview, meeting, or hearing at which a party is invited or expected to participate.
    3. The Title IX Coordinator will inform the Complainant and Respondent at regular intervals of the status of its investigation.
    4. The College may suspend or place on administrative leave a student or employee, pending the completion of an investigation and resolution, when the College performs an individualized safety and risk analysis and determines the person poses an immediate threat to the physical health or safety of any member(s) of the College community.

1. The Title IX Coordinator may recommend to the appropriate College official to implement or stay an interim suspension of a student or employee and the conditions and duration of such suspension or leave.
2. In all cases in which an interim suspension or administrative leave is imposed, the student or employee shall be given notice and an opportunity to challenge the removal decision immediately following the removal.
3. Violation of an interim suspension under this Procedure is grounds for expulsion or termination.

Interviews conducted as part of an investigation under this Procedure may be recorded by the College. Recordings not authorized by the College are prohibited.

The Complainant and Respondent have the right to be accompanied by an advisor of their choosing during all stages of an investigation.

1. A party may elect to change advisors during the process.
2. All advisors are subject to the same rules:
    1. During the investigation, the advisor's role is limited to providing advice, guidance, and support to the Complainant or Respondent. An advisor is not permitted to act as a participant or advocate during the investigative process.
    2. Advisors are expected to maintain the privacy of the records shared with them.
    3. Advisors are expected to refrain from interfering with investigations.
    4. Any advisor who oversteps their role or interferes during an investigation process will be warned once. If the advisor continues to disrupt or otherwise fails to respect the limits of the advisor role, the advisor will be asked to leave. The Title IX Coordinator determines whether the advisor may return or should be replaced by a different advisor.

    Prior to finalizing a report, the investigator provides all parties an equal opportunity to review any evidence obtained as part of the investigation that is directly related to the allegations raised in the Formal Complaint, including evidence upon which the College does not intend to rely.

    1. The Complainant and Respondent may submit a written response to the evidence within ten days after receipt of the evidence.
        1. Responses must be submitted to the investigator via email, mail, or hand delivery by 5:00 p.m. eastern standard time on the date responses are due.
        2. Responses may not exceed 10 double-spaced pages on 8.5x11 paper with one-inch margins and 12-point font.

2. The investigator considers any responses received from the parties and conducts any further investigation necessary or appropriate.

Following an investigation and at least 10 days prior to a grievance hearing, the investigator submits an investigative report to the parties that fairly summarizes relevant evidence. The report includes a summary of the allegations; a summary of the response; a summary of the investigative steps taken to verify the allegations and response; and a summary of the evidence relevant to a determination of responsibility.

GRIEVANCE HEARINGS

At least 10 days after the issuance of an investigation report, the College must hold a live hearing in front of a decision-maker to determine responsibility of a Respondent. The decision-maker may not be the Title IX Coordinator or the investigator(s). A "live hearing" means either in person or virtually. The following hearing rules apply:

1. All parties must be able to see and hear the questioning of parties and witnesses.
2. Any party may request a virtual hearing. If requested, the College will provide a virtual hearing.
3. All parties have an equal opportunity to present witnesses, including fact and expert witnesses.
4. The parties' advisors are permitted to cross-examine the parties and any witnesses.
    1. The parties are prohibited from directly conducting cross-examination. Cross-examination must be conducted by a party's advisor.
    2. The decision-maker determines whether questions asked during cross-examination are relevant to the determination of responsibility. If the decision-maker disallows a question, they will explain the basis for their decision at the hearing. Parties and advisors may not challenge a decision-maker's relevancy determinations during the hearing.
    3. Evidence or questions that inquire about the Complainant's sexual predisposition or prior sexual history are prohibited (i.e. rape-shield protections) unless such questions and evidence are offered to prove that someone other than the Respondent committed the conduct alleged by the Complainant, or if the questions and evidence concern specific incidents of the Complainant's prior sexual behavior with respect to the Respondent and are offered to prove consent.
    4. The decision-maker may consider statements of persons not present at a hearing and/or not subject to cross-examination unless the statements are subject to exclusion under another provision in this Procedure. 'Statements' include but are not limited to opinions and statements in police reports, medical records, court records, investigation notes, emails, written statements, text messages, social media postings, and the like.
    5. Records with a legally recognized privilege, such as medical treatment records, may not be used unless the individual or entity who holds the privilege waives the privilege. Any waiver must be written and made in advance of a hearing.
    6. If a party does not have an advisor, the College will provide an advisor at no cost to the party. The advisor may, or may not, be an attorney.
    7. Other standard Rules of Evidence do not apply in grievance hearings under these Procedures.

The College will provide either an audio recording, audiovisual recording, or transcript of the hearing to all parties.

The decision-maker evaluates all relevant evidence and reaches a determination regarding responsibility. The decision-maker issues their final written determination to all parties within ten (10) days of the hearing. The final written determination includes a summary of the allegations; a description of the procedural steps taken by the College to investigate and reach a determination of responsibility; findings of fact supporting the determination; conclusions regarding the application of College policies to the facts; a statement of and rationale for the result as to each allegation, including a determination of responsibility; any disciplinary sanctions the College recommends or imposes; whether remedies designed to restore or preserve equal access to an education program or activity will be provided to the Complainant; and the College's appeal procedures.

The following sanctions may be imposed for those who have violated these Procedures:

Students

1. Verbal or Written Warning
2. Probation
3. Administrative withdrawal from a course without refund
4. Required Counseling
5. No Contact Directive
6. Suspension
7. Recommendation of Expulsion
8. Other consequences deemed appropriate

If the decision-maker is required to make a recommendation for student expulsion or employee suspension, demotion, or dismissal, such recommendation will be made to the appropriate College official after the time for appeal has expired. If the decision-maker recommends the Respondent be expelled, suspended, demoted, or dismissed, during the time in which either party has to appeal, the Respondent shall remain on suspension unless otherwise determined by the decision-maker.

APPEALS

After the decision-maker submits their determination of responsibility to the Complainant and Respondent, all parties are given an equal opportunity to appeal the determination. Appeals may be based only on these grounds:

1. Procedural irregularity that affected the outcome;
2. New evidence that was not reasonably available at the time of the hearing that could affect the outcome; and/or
3. The Title IX Coordinator, investigator, or decision-maker had a bias or conflict of interest that affected the outcome.

Parties must submit any appeal to the President of the College by 5:00 p.m. eastern standard time via email or mail, within ten (10) days of receiving the decision-maker's written determination of responsibility. Appeals may not exceed ten (10) double-spaced pages on 8.5x11 paper with one-inch margins and 12-point font.

The College notifies all parties when an appeal is filed and provides all parties a copy of the appeal and a chance to submit a written statement supporting or challenging the outcome. Parties must submit written statements supporting or challenging the outcome to the President of the College by 5:00 p.m. eastern standard time via email or mail, within two (2) days of receiving a copy of an appeal.

The President shall conduct a review of the record, including the appeal(s) received, any written statements supporting or challenging the outcome, the investigation report, the decision-maker's written determination of responsibility, and any accompanying evidence prior to issuing a written decision to the Complainant and Respondent that describes the result of the appeal and the rationale for the result.

The President's written decision is final.

PROTECTION AGAINST RETALIATION

The College will not in any way retaliate against an individual for the purpose of interfering with any right or privilege secured by Title IX or because the individual has made a report or complaint, testified, assisted, participated, or refused to participate in any manner in an investigation, proceeding, or hearing under these Procedures. Retaliation is a violation of College policy regardless of whether the underlying allegations are ultimately found to have merit. Reports of retaliation are treated separately from reports or complaints of sexual harassment.

PROVIDING FALSE INFORMATION

Any individual who knowingly files a false report or complaint, who knowingly provides false information to College officials or who intentionally misleads College officials involved in the investigation or resolution of a complaint may be subject to disciplinary action including, but not limited to expulsion or employment termination. The College recognizes a determination regarding responsibility alone is not sufficient to conclude a false report or complaint was made.

LIMITED IMMUNITY

The College community encourages the reporting of misconduct and crimes by Complainants and witnesses. Sometimes, Complainants or witnesses are hesitant to report to College officials or participate in resolution processes because they fear that they themselves may be accused of various policy violations. It is in the best interest of this College that as many Complainants as possible choose to report to College officials and that witnesses come forward to share what they know. To encourage reporting, the College offers Sexual Harassment Complainants and witnesses amnesty from minor policy violations.

FERPA (Family Educational Rights and Privacy Act)

A student's personally identifiable information found in a student's education records will be shared only with College employees who need to know to assist with the College's response to sexual harassment.
A student's personally identifiable information found in a student's education records will not be disclosed to third parties unaffiliated with the College unless:

1. The student gives consent;
2. The College must respond to a lawfully issued subpoena or court order; or
3. The College is otherwise required by law to disclose.

SUSPENDING PROCEDURES

In cases of emergency or serious misconduct, the College reserves the right to suspend this process and may enact appropriate action for the welfare and safety of the College community.

EMPLOYEE AND STUDENT RELATIONSHIPS

Romantic or sexual relationships between College employees and students are prohibited if the employee and the student have an academic relationship. Academic relationships include any activities in which the employee is a direct or indirect supervisor or instructor for the student, as in a classroom or lab, or is a sponsor for any College activity involving the student, including work-study or organizational/club/sport activities. This prohibition shall continue until the student or the employee is no longer affiliated with the College. Employees engaging in inappropriate relationships will be subject to disciplinary action up to and including termination of employment. Students engaging in inappropriate relationships may be subject to disciplinary action up to and including expulsion.

Romantic or sexual relationships between College employees and students not in an academic relationship that impairs the College employee's effectiveness, disrupts the workplace/learning environment, and/or impairs the public confidence in the College will be subject to disciplinary action up to and including termination of employment or expulsion from the College.

SUSPENDING PROCEDURES

In cases of emergency or serious misconduct, the College reserves the right to suspend this process and may enact appropriate action for the welfare and safety of the College community.

STUDENT AND EMPLOYEE EDUCATION AND ANNUAL TRAINING

The Title IX Coordinator, investigators, decision-makers, and those involved in any informal resolution process shall receive annual trainings on topics including:

1. The definition of sexual harassment for Title IX purposes;
2. The scope of the College's education programs and activities under Title IX;
3. How to conduct an investigation and grievance process including hearings, appeals, and informal resolution processes;
4. How to serve impartially, including avoiding prejudgment of facts at issue, conflicts of interest, and bias;
5. Technology to be used at live hearings;
6. Issues of relevance of questions and evidence, including rape-shield limitations; and
7. Issues of relevance to create an investigative report that fairly summarizes relevant evidence.

All training materials are posted on the College's website.

All new students and all employees shall be required to participate in a primary prevention and awareness program that promotes awareness of sexual harassment. This program will be held annually at the beginning of each fall semester.

At this annual training, students and employees must receive training in the following areas:

1. Information about safe and positive options for bystander intervention skills;
2. What "consent" means with reference to sexual activities;
3. Risk reduction programs so students recognize and can avoid abusive behaviors or potential attacks;
4. How and to whom to report an incident regarding discrimination, harassment and sex-based violence;
5. The importance of preserving physical evidence in a sex-based violent crime; and
6. Options about the involvement of law enforcement and campus authorities, including the alleged victim's option to: i) notify law enforcement; ii) be assisted by campus authorities in notifying law enforcement; iii) decline to notify law enforcement; and iv) obtain "no-contact" or restraining orders.

Each year, all students and employees will receive an electronic copy of these Procedures sent to their College email address of record. These Procedures will be maintained online in the College's website and a hard copy will be kept on file (in English and Spanish) in the Title IX Coordinator's office and the Director of Human Resources' office. Other translations will be made available upon request.

Drug Prevention Program

Blue Ridge Community College conducts an ongoing informational program for students and employees describing the dangers of abuse of narcotics, alcoholic beverages, and stimulant drugs. The Student Services Division will provide informational materials designed to alert the entire college community to the above described hazards. The College will cooperate with all other appropriate community agencies in this endeavor. Specific college policies strictly prohibit the possession and use of such substances on the campus and during any college-sponsored function. Severe sanctions against violators are provided for in these policies.

Institutional Responsibilities to Third-Party Recipients of Certain Services

As a part of their normal training, students in human service programs are engaged in activities where the health and well-being of persons outside the school are involved. Under these conditions, the institution incurs a moral and legal obligation concerning the student and the recipient of his/her services.

To ensure the safety of the third party recipients the institution may suspend, expel, or refuse to enroll any such student who:

Presents problems in physical or emotional health which do not respond to appropriate treatment and/or counseling within a reasonable period of time; and/or

Demonstrates behavior that conflicts with safety essential to nursing and/or child care.

Student Conduct

Blue Ridge Community College ("College") students assume an obligation to conduct themselves in a manner compatible with the College's function as an educational institution. The College has adopted basic standards of student conduct. These standards apply to the College campus, College activities including public service functions and other duly authorized or College-sponsored activities, either on or off the College premises. When these standards are violated, penalties may be incurred. Consequences for violations include, but are not limited to: warnings, fines, restitution, loss of privileges or access to campus resources, probation, suspension, or expulsion. The College reserves the right to withhold academic records or to deny registration for subsequent semesters.

If a student's behavior simultaneously violates both College regulation and federal, state and/or local laws, the College may take disciplinary action independent of that taken by legal authorities.

The following regulation sets forth offenses for which disciplinary proceedings may be initiated. Violation of one or more of the following code provisions may result in one of the sanctions described in Procedure 4.15.1.1 – Discipline and Appeal Procedures for Academic Violations and/or Procedure 4.15.1.2 – Discipline and Appeal Procedures for Non-Academic Violations.

Academic Honesty Violations

A student who violates the academic honesty policy, either directly or indirectly, is immediately responsible to the instructor of the course. The following terms are defined:

Cheating

To practice or attempt to practice dishonesty or deception in the taking of tests or in the preparation or submission of academic work purporting to be one's own; or to do any of the following without instructor permission; to copy or attempt to copy from another person's test, paper, online file, or other graded work in a course; to allow someone to copy one's test, paper, online file, or other graded work; to use during a testing period, or bring into a testing area with the intent to use, any notes or other materials which a student is not permitted to consult. Cheating also includes creating, falsifying, or misrepresenting any data in connection with a seated (traditional) class, lab, or online class or the act of giving any unauthorized assistance or collaboration in a learning environment.

Plagiarism

The act of copying a sentence, several sentences, or a significant part of a sentence that has been written by someone other than the person submitting the paper, and then neglecting to indicate through the use of quotation marks or blocking that the material has been copied; also, copying from another writer in such a way as to change one or two words in the sentence, or to rearrange the order of the wording, or to paraphrase, or summarize information and then neglect to furnish documentation. Failure to cite sources, when appropriate, is a form of dishonesty.

Online Identity

Any student registered in an online/hybrid course(s) will be the same student who participates in and completes the course or program and receives the credit for the online/hybrid course. Further, any student who allows his/her unique username and password to be used by another individual to complete an assignment or participation within the course will be in violation of this policy.

The acts of cheating and/or plagiarism shall encompass, but shall not be limited to the examples or context cited above.

Non-Academic Violations

Types of student conduct for which disciplinary proceedings may be initiated include but are not limited to the following:

Disruption of College

A student shall not by the use of violence, force, noise, coercion, threat, intimidation, fear, passive resistance, or any other conduct intentionally cause the substantial and material disruption or obstruction of any lawful mission, process, or function of the College. Neither shall a student engage in such conduct for the purpose of causing substantial and material disruption if an obstruction is reasonably certain to result.

The following illustrates the kinds of offenses encompassed here:

- occupying any College building, grounds, or part thereof, with intent to deprive others of its use;
- blocking the entrance or exit of any College building or corridor or room therein with intent to deprive others of lawful access to or from, or use of, the building or corridor or room;
- setting fire to or damaging any College building or property;
- firing, displaying, or threatening the use of firearms, explosives, or other weapons on the College premises for any unlawful purpose;
- prevention of or attempting to prevent by the physical act the convening or continued functioning of any College class, or activity, or of any lawful meeting or assembly on the campus;
- preventing students from attending a class or College activity; except under the direct instruction of an administrator, blocking normal pedestrian or vehicular traffic on campus;
- making noise or acting in any manner so as to interfere seriously with the instructor's ability to conduct the class; and unruly conduct at a College activity, function, or event.

- unruly conduct at a College activity, function or event.

Damage or Destruction of College Property

A student shall not intentionally cause or attempt to cause damage to College property or steal College property.

Damage or Destruction of Private Property

A student shall not intentionally cause or attempt to cause damage to private property or steal or attempt to steal private property on the College grounds. Repeated damage, theft, or fraud involving private property shall be a basis for long-term suspension or expulsion.

Physical Abuse of a College Employee, Student, or other Person not Employed by the College

A student shall not intentionally do bodily injury to any person. Neither self-defense nor action undertaken on the reasonable belief that it was necessary to protect some other person is to be considered an intentional act under this rule.

Trespass to Property

Students are trespassing if in an unauthorized area of the College campus; present on the College campus after closing hours (without permission); or remaining on the College campus after having been directed to leave by a College official.

Mental/Physical Abuse

Students shall not mentally or physically abuse any person on the College premises or at a College-supervised function, including verbal or physical actions that threaten or endanger the health or safety of any such persons.

Weapons and Dangerous Instruments

A student shall not knowingly possess, handle, or transmit any object that can reasonably be considered a weapon. Weapons and dangerous instruments are defined in Procedure 9.5.1.

Narcotics, Alcoholic Beverages and Stimulant Drugs

A student shall not knowingly possess, use, transmit or be under the influence of any narcotic drug, hallucinogenic drug, amphetamine, barbiturate, marijuana, alcoholic beverage, or intoxicant of any kind (including, but not limited to, bath salts, inhalants, or synthetic herbs). Use of a legal drug authorized by a medical prescription from a registered health care provider shall not be considered a violation of this rule; however, possession, use or transmittal of legal drugs that have been obtained illegally or without a prescription by a registered healthcare provider is prohibited.

Tobacco Use

A student shall not violate the College Tobacco-Free Campus regulations. Smoking and the use of smokeless tobacco products are prohibited on all College properties including inside any building or facility and on College grounds. Exceptions are limited only to smoking or the use of tobacco products inside the confines of a motor vehicle on College grounds. See Procedure 2.15.1.

Campus Parking and Traffic Regulations

A student shall not violate campus parking and traffic regulations. See Procedure 9.13.1.

Discrimination, Harassment, and Sexual-Based Offenses

For all issues related to this topic, see Procedure 3.15.1 and Procedure 3.19.1.

Computer Use

For all issues related to violations of the College Computer Use policy, see Procedure 8.1.3.

Disruptive Communications

A student shall not intentionally send electronic communications which disrupt the learning environment. In addition to items listed specifically in the College Computer Use procedures, this may include but is not limited to the use of profanity, insulting or harassing remarks in e-mail, discussions, chat, electronic text, or telephone communications. Violations may be grounds for the student to receive a failing grade, suspension, or expulsion.

Classroom Conduct

In addition to the other provisions contained herein, students will not engage in physical or verbal behavior that a reasonable person would view as interfering with the instructor's teaching and/or learning in a classroom, whether online, hybrid or seated, or in the ability of other students to access information. Students may not defy reasonable directives by instructors pertaining to classroom behavior and rules. Students shall abide by instructor's classroom rules. Students are expected to conduct themselves in accordance with generally accepted standards of scholarship and professionalism and behavior for a reasonably prudent community college student. While students are free to agree or disagree with their instructor and classmates, students will demonstrate their agreement or disagreement through reasonable and respectful behavior. This provision is not intended to operate as speech codes, promote content and viewpoint discrimination or suppress minority viewpoints in the academic setting.

Field trips, Work-Based Learning (WBL), Job Shadowing, Events or any Academic-Related Off Campus Activity

Students shall abide by both the College's Student Code of Conduct and any host facility rules. For Example, a host facility might dictate dress code, proof of US citizenship, drug screen, behavior and safety expectations, wearing of protective clothing or equipment, and/or prohibit the use of cell phones. This is not an exhaustive list. The instructor arranging the academic-related off-campus activity is responsible for obtaining and sharing as much of this information as possible prior to the actual event.

Public Laws/College Policy

Violations of any federal, state, or local laws occurring while on campus may lead to legal actions as well as campus discipline. Violations of federal, state, or local laws occurring off campus may result in disciplinary action if the student's continued presence on campus constitutes a threat to the safety and order of the campus. Violations of College policies and procedures may result in disciplinary action.

Assault

Students shall not assault or threaten to assault another person for any reason whatsoever. Assault includes a demonstration of force, unlawful physical touching or striking. For sexual assault, see Procedure 3.19.1 Sexual Harassment and Violence.

Communicating Threats

Students shall not verbally, in writing, through a third party or by any other means threaten to physically injure another person or that person's child, sibling, spouse, or dependent or willfully threaten to damage the property of another.

Bullying

Students shall not intimidate or threaten with harm any other individual. Bullying is defined as any pattern of gestures or written, electronic or verbal communications or any physical act or any threatening communication that takes place on the College premises or at any College sponsored function that: (a) places a person in actual and reasonable fear of harm to his or her property; or (b) creates or is certain to create a hostile environment by substantially interfering with or impairing a student's educational performance, opportunities or benefits or a College employees ability to perform the essential functions of his/her job. Hostile environment means that the victim subjectively views the conduct as bullying and the conduct is objectively severe or pervasive enough that a reasonable person would agree that it is bullying. A hostile environment may be created through pervasive or persistent misbehavior or a single incident if sufficiently severe.

Threats

Students shall not engage in any behavior that constitutes a clear and present danger to the physical and/or emotional well-being of the student and/or other students, faculty, and staff.

Tampering with Fire Alarms

Setting off a fire alarm or using or tampering with any fire safety equipment, except with the reasonable belief there is a need for such alarm or equipment.

Gambling

Students may not gamble on campus or at any College-affiliated activities or events.

Providing False Information

Students shall not present to the College or its employees false information as part of an investigation, inquiry, hearing or in other matters related to College activities; neither may a student knowingly withhold information which may have an effect on their enrollment or their status with the College.

Financial Impropriety

Financial impropriety such as failure to pay College-levied fines, failure to repay College-funded loans, misuse or failure to properly account for club or student organization funds, or the passing of worthless checks, drafts or orders to College officials.

Failure to Report Criminal Activity

Failure to inform the College, in writing, within five (5) days after he or she is convicted for violation of any federal, state, or local criminal drug statute or alcoholic beverage control statute where such violation occurred while on College property.

Unauthorized Access to College Records

Students may not access, view, copy or change official College records without expressed authority to do so.

Violation of Policies and Procedures

Students are expected to be familiar with the College's policies and procedures. Students may be disciplined for failure to follow the College's policies and procedures.

Behavioral Assessment Team

Not complying with a recommendation or directive by the Behavioral Assessment Team.

Discipline and Appeal Procedures for Academic Violations

(For issues related to discrimination, harassment, and sexual-based violence, see Procedure 3.15.1 and 3.19.1)

The following disciplinary and appeal procedures shall apply to all academic disciplinary matters. (See Procedure 4.15.1.1)

Discipline for Violations of Academic Honesty

In situations involving violations of academic honesty, the student's instructor will take disciplinary actions that may include but are not limited to the following:

1. A written warning describing the offense and detailing further consequences should the infraction be repeated,
2. The instructor may assign a failing grade ("F" or zero") for the course, any portion of the course, or a single assignment. If the course serves as a prerequisite for sequential courses within the curriculum, the student will not be able to progress in the program of study until completing the course with a passing grade.
3. Referral to the Vice President for Instruction for further disciplinary action.
4. The President or the President's designee may suspend or expel a student if there are repeated violations of the Academic Honesty Policy. If a student violates this policy twice, the Vice President for Instruction may request that the President expel the student.

A student charged with a violation of Academic Honesty, outlined in Code of Conduct 4.15.1, has the right to appeal that decision using the process outlined below.

Academic Disciplinary Appeal Process

If a student is not satisfied with the Vice President's or President's recommendation for Disciplinary Action, within five business days' receipt of the recommendation, the student may request, in writing to the President, a Judicial Board hearing. Upon receipt of the student's request, the President shall convene a Judicial Board to hear the matter. The Judicial Board shall consist of three members: a Vice President (but not the Vice President for Instruction) who shall serve as the Chair; one faculty member appointed by the President who is not an interested party in the issue to be heard; and the President of the Student Government Association (SGA) or his/her designee who is also a member of the SGA.

The hearing shall be scheduled within ten business days of receipt of the student's written request for a hearing or later if mutually agreed upon by the parties.

Within five business days from the hearing, the student must inform the President whether s/he will have legal counsel present. If the student does not provide timely notice, the Chair may continue the hearing until the College's attorney can be present. The student is allowed to have legal counsel present but only in an advisory capacity. Legal counsel will not be allowed to address the Judicial Board. The College's attorney will serve as procedural officer.

The Judicial Board hearing procedure shall be as follows:

1. The Chair shall introduce all present.
2. The student shall have the opportunity to present evidence and witnesses in support of his or her case. The Judicial Board shall have the opportunity to question the student and, if applicable, his or her witnesses.
3. The College administrator and/or other College representatives will present their evidence and witnesses in support of their case. The Judicial Board shall have the opportunity to question the administrator and/or other College representatives and, if applicable, their witnesses.
4. Both sides will have the opportunity to make a closing statement.
5. The Judicial Board shall deliberate in closed session. The College attorney may sit with the Judicial Board and provide legal advice should such advice be necessary. The North Carolina Rules of Evidence do not apply and all relevant evidence shall be included in the official record; however, in reaching its decision, the Judicial Board shall weigh and consider the credibility of the presented evidence.
6. The Judicial Board hearing shall be audio recorded and that recording shall serve as the official hearing minutes.

Within five business days of the hearing, the Chair shall, in writing, summarize the Judicial Board decision and send a copy to the parties and to the President.

If any of the parties are not satisfied with the Judicial Board's decision, they may, within ten business days of the date of the decision, appeal, in writing, to the President. The Vice President for Instruction shall accept the appeal on behalf of the President. The President shall review the official record and the hearing minutes. If, after his or her initial review, the President needs additional information, he or she may ask the parties to supplement the official record by responding to his or her additional questions. Within ten business days of receipt of the party's appeal, or an additional five business days after the official record has been supplemented, the President shall issue his or her final decision to affirm, reject, or modify the Judicial Board's decision. A written copy of the President's decision shall be sent to both parties. The President's decision shall be final, subject only to the student's right of appeal to the Board of Trustees. Any appeal of the President's decision must be submitted, in writing, to the Board of Trustees, within ten business days of the date of that decision.

For an appeal to the Board of Trustees, a panel of the Board, as designated by the Chair, shall conduct an "on the record review" of the evidence presented at the Judicial Hearing. Within ten (10) business after receipt of the student's appeal, unless the parties agree to a continuance, the Board panel shall meet and the President shall be granted an opportunity to address the Board panel in closed session. The student will also be given the same opportunity to address the Board panel. No new evidence shall be presented to the Board panel. The Board Attorney shall serve as the procedural officer. The Board panel will make a determination and inform the student in writing within five (5) business days.

Discipline and Appeal Procedures for Non-Academic Violations

Overview

The Vice President for Student Services is responsible for implementing these procedures.

These procedures apply to non-academic violations listed in 4.15.1 – Code of Student Conduct.

Progressive Discipline Model

1. Verbal/Written Warnings - If the student's misconduct occurs in the classroom setting, where appropriate, instructors should provide verbal and/or written warnings to students regarding their misconduct and assess appropriate disciplinary action within the classroom setting.
2. Reprimand - Written communication from the Vice President of Student Services that gives official notice to a student that any further disciplinary offense will carry heavier penalties because of a prior infraction.
3. Suspension and Expulsion - If warranted by the facts and situation, even for first-time offenses, a student may be suspended, expelled or forfeit certain opportunities on campus.
4. Behavioral Assessment Form - If warranted, instructors may complete a Behavioral Assessment Form outlining the nature of the student's misconduct and share the form with the Vice President for Student Services. Upon receiving the Behavioral Assessment Form, the Vice President may request a meeting with the student, reviewing the misconduct reported. As a result of the meeting, the student may be placed on probation, suspension, or expelled from campus.
5. Disciplinary Probation - Disciplinary probation results in loss of good standing and becomes a matter of record. While on disciplinary probation, the student will not be eligible for initiation into any local or national organization and shall not receive any College award or other honorary recognition. The student may not occupy a position of leadership or responsibility with any College or student organization, publication or activity. This sanction prohibits the student from officially representing the College or participating in any extracurricular activities including intramural competitions. Disciplinary probation will be in effect for not less than two (2) semesters including the current semester. Any further disciplinary offenses while under disciplinary probation will result in the student's immediate suspension.
6. Removal from Class/Campus - If an act of student misconduct threatens the health, safety or well-being of any member of the academic community and/or seriously disrupts the function and good order of the College, an instructor may require that the student immediately leave the classroom setting and the instructor will thereafter immediately notify the Vice President for Student Services who will direct the student involved to cease and desist such conduct and advise them that failing to cease and desist will result in immediate dismissal from the class or campus. If the student fails to cease and desist, or if the behavior is such that the student needs to immediately be removed from campus or temporarily removed from a specific instructor's class, the Vice President for Student Services may then immediately have the student temporarily removed from campus and/or from the specific instructor's class. The Vice President for Student Services will also determine whether the student should be referred to the Behavioral Assessment Team. The College Vice President or instructor invoking the removal shall notify the Vice President in writing of the student involved and the nature of the infraction as soon as possible but no more than one (1) working day following the incident. Upon receipt of the College Vice President or Dean's written notice, the Vice President shall meet with the student as soon as possible to allow the student to present his/her side. If, in the Vice President's opinion, the student behavior threatens the health, safety and well-being of the College community, the Vice President shall place the student on temporary suspension pending the outcome of the disciplinary matter. Temporary suspension may be imposed only: (a) to ensure the safety and well-being of members of the College; (b) to ensure the student's own physical or emotional safety and well-being; or (c) if the student poses a direct threat of substantial disruption or interference with the normal operations of the College.
7. Restitution - Paying for damaging, misusing, destroying or losing property belonging to the College, College employees or students. Restitution may take the form of financial payment or appropriate service to repair or otherwise compensate for such damages.
8. Withholding Academic Records and/or the Right to Register - Withholding transcripts, diplomas or the right to register or participate in graduation ceremonies is imposed when a student's financial obligations are not met, or the student has a disciplinary case pending final disposition.
9. Temporary Suspension - The exclusion from all College property and all College activities pending the resolution of a disciplinary proceeding.
10. Disciplinary Suspension - The exclusion from all College property and all College activities for a specified period of time. This sanction is reserved for those offenses warranting discipline more severe than disciplinary probation. A student under disciplinary suspension must receive specific written permission from the Vice President before returning to campus. Disciplinary suspension appears on the student's academic transcript.

11. Expulsion - Dismissal from the College. The student may be readmitted to the College only with the approval of the President. Expulsion appears on the student's academic transcript.
12. Group Probation - Group probation is given to a College club or other organized student group for a specified period of time. If group violations are repeated during the term of probation, the charter may be revoked or activities restricted.
13. Group Restriction - Removing College recognition during the semester the offense occurred, or for a longer period (usually not more than one other semester). While under restriction, the group may not seek to add members, hold or sponsor events in the College community or engage in other activities as specified.
14. Group Charter Revocation - The removal of College recognition for a group, club, society or other organization for a minimum of two (2) years. Re-charter after that time must be approved by the President.

In addition to the above stated sanctions, the College may require counseling. The student may be required to attend one or more counseling sessions with a licensed professional counselor. The student may be required to complete counseling before returning to the College after a period of suspension or expulsion. The student must provide written documentation from the licensed professional that the requirement has been met. Additionally, if required by the Vice President, the student must also provide a statement from the licensed professional that the student is able to return to class based on his/her professional judgment. The student may be referred to the College's Counseling Services at no charge or elect to use his/her own licensed professional counselor and bear the cost.

Disciplinary Procedures

To provide an orderly system for handling student disciplinary cases in accordance with due process and justice, the following procedures will be followed:

1. Incident Report - Any College employee or student may file written charges with the Vice President against any student or student organization for violations of the Student Code of Conduct. The individual(s) making the charge should complete and submit an Incident Report within five (5) business days of the incident given rise to the alleged violation.
2. Investigation and Determination - The Vice President shall investigate the charges and allegations. Within ten (10) business days after receipt of the incident report, the Vice President shall complete his/her investigation of the charges and shall meet with the student (or student representative(s) on behalf of a student organization), present the results of the investigation and provided the student (or student representative(s)) with an opportunity to present his/her side. After discussing the alleged infraction with the student, the Vice President may act as follows:
   Drop the charges;
   Impose a sanction; or
   Refer the student(s) to a College office or community agency for services.

All disciplinary actions should be progressive in nature and should take into account the totality of the situation; however, depending on the severity of the infraction, even first-time offenses could result in suspension or expulsion.

Notification

Upon concluding an investigation into the matter, the Vice President for Student Services shall present the student with written notice of charges that provides a description of the alleged violations and a short factual summary. The notice shall also include recommended disciplinary action. If the student accepts the recommended disciplinary action, the matter will be closed. If the student is not satisfied with the Vice President's recommendation, with five business days' receipt of the recommendation, the student may request, in writing to the President, a Judicial Board hearing (see Disciplinary Appeal Procedure below).

The Vice President shall notify the President in writing of the student involved and the nature of the infraction as soon as possible but no more than one (1) working day following the incident.

Non-Academic Disciplinary Appeal Procedure

If a student is not satisfied with the Vice President's recommendation for Disciplinary Action, within five business days' receipt of the recommendation, the student may request, in writing to the President, a Judicial Board hearing. Upon receipt of the student's request, the President shall convene a Judicial Board to hear the matter. The Judicial Board shall consist of three members: a Vice President (but not the Vice President for Student Services) who shall serve as the Chair; one faculty member appointed by the President who is not an interested party in the issue to be heard; and the President of the Student Government Association (SGA) or his/her designee who is also a member of the SGA.

The hearing shall be scheduled within ten business days of receipt of the student's written request for a hearing or later if mutually agreed upon by the parties.

Within five business days from the hearing, the student must inform the President whether s/he will have legal counsel present. If the student does not provide timely notice, the Chair may continue the hearing until the College's attorney can be present. The student is allowed to have legal counsel present but only in an advisory capacity. Legal counsel will not be allowed to address the Judicial Board. The College's attorney will serve as a procedural officer. The Judicial Board hearing procedure shall be as follows:

1. The Chair shall introduce all present.

2. The student shall have the opportunity to present evidence and witnesses in support of his or her case. The Judicial Board shall have the opportunity to question the student and, if applicable, his or her witnesses.
3. The College administrator and/or other College representatives will present their evidence and witnesses in support of their case. The Judicial Board shall have the opportunity to question the administrator and/or other College representatives and, if applicable, their witnesses.
4. Both sides will have the opportunity to make a closing statement.
5. The Judicial Board shall deliberate in closed session. The College attorney may sit with the Judicial Board and provide legal advice should such advice be necessary. The North Carolina Rules of Evidence do not apply and all relevant evidence shall be included in the official record; however, in reaching its decision, the Judicial Board shall weigh and consider the credibility of the presented evidence.
6. The Judicial Board hearing shall be audio recorded and that recording shall serve as the official hearing minutes.

Within five business days of the hearing, the Chair shall, in writing, summarize the Judicial Board decision and send a copy to the parties and to the President.

If any of the parties are not satisfied with the Judicial Board's decision, they may, within ten business days of the date of the decision, appeal, in writing, to the President. The Vice President for Student Services shall accept the appeal on behalf of the President. The President shall review the official record and the hearing minutes. If, after his or her initial review, the President needs additional information, he or she may ask the parties to supplement the official record by responding to his or her additional questions. Within ten business days of receipt of the party's appeal, or an additional five business days after the official record has been supplemented, the President shall issue his or her final decision to affirm, reject, or modify the Judicial Board's decision. A written copy of the President's decision shall be sent to both parties. The President's decision shall be final, subject only to the student's right of appeal to the Board of Trustees. Any appeal of the President's decision must be submitted, in writing, to the Board of Trustees, within ten business days of the date of that decision.

For an appeal to the Board of Trustees, a panel of the Board, as designated by the Chair, shall conduct an "on the record review" of the evidence presented at the Judicial Hearing. Within ten (10) business after receipt of the student's appeal, unless the parties agree to a continuance, the Board panel shall meet and the President shall be granted an opportunity to address the Board panel in closed session. The student will also be given the same opportunity to address the Board panel. No new evidence shall be presented to the Board panel. The Board Attorney shall serve as the procedural officer. The Board panel will make a determination and inform the student in writing within five (5) business days.

- The right to counsel. The role of the person acting as counsel is solely to advise the student(s). The counsel shall not address the Board.
- The right to produce witnesses on one's behalf.
- The right to request, in writing, the President to disqualify any member of the Board for prejudice or bias. (The request must contain reasons). A request for disqualification, if made, must be submitted at least three (3) working days prior to the hearing. If such disqualification occurs, the appropriate nominating body shall appoint a replacement to be approved by the President.
- The right to present evidence under a preponderance of the evidence standard. In College student disciplinary proceedings, the College has the burden of proving violations of policy by a preponderance of the evidence, meaning "more likely than not" a policy violation occurred.
- The right to know the identity of the person(s) bringing the charge(s).
- The right to hear witnesses on behalf of the person(s) bringing the charge(s).
- The right to testify or to refuse to testify without such refusal being detrimental to the student.

The Judicial Board hearing procedure shall be as follows:

- Hearings before the Board shall be confidential and shall be closed to all persons except the following:
  The student(s)
  Counsel(s)
  Committee Members
  Vice President, or designee

The student shall have the opportunity to present evidence and witnesses in support of his or her case. The Judicial Board shall have the opportunity to question the student and, if applicable, his or her witnesses. Witnesses shall only be present in the hearing room when giving their testimony.

The College administrator and/or other College representatives will present their evidence and witnesses in support of their case. The Judicial Board shall have the opportunity to question the administrator and/or other College representatives and, if applicable, their witnesses.

Both sides will have the opportunity to make a closing statement.

The Judicial Board shall deliberate in closed session. The College attorney may sit with the Judicial Board and provide legal advice should such advice be necessary. The North Carolina Rules of Evidence do not apply and all relevant evidence shall be included in the official record; however, in reaching its decision, the Judicial Board shall weigh and consider the credibility of the presented evidence. Board decisions shall be made by majority vote.

The Judicial Board hearing shall be audio recorded and that recording shall serve as the official hearing minutes.

Within five business days of the hearing, the Chair shall, in writing, summarize the Judicial Board decision and send a copy to the parties and to the President.

If any of the parties are not satisfied with the Judicial Board's decision, they may, within ten business days of the date of the decision, appeal, in writing, to the President. The Vice President for Student Services shall accept the appeal on behalf of the President. The President shall review the official record and the hearing minutes. If, after his or her initial review, the President needs additional information, he or she may ask the parties to supplement the official record by responding to his or her additional questions. Within ten business days of receipt of the party's appeal, or an additional five business days after the official record has been supplemented, the President shall issue his or her final decision to affirm, reject, or modify the Judicial Board's decision. A written copy of the President's decision shall be sent to both parties. The President's decision shall be final, subject only to the student's right of appeal to the Board of Trustees. Any appeal of the President's decision must be submitted, in writing, to the Board of Trustees, within ten business days of the date of that decision.

For an appeal to the Board of Trustees, a panel of the Board, as designated by the Chair, shall conduct an "on the record review" of the evidence presented at the Judicial Hearing. Within ten (10) business after receipt of the student's appeal, unless the parties agree to a continuance, the Board panel shall meet and the President shall be granted an opportunity to address the Board panel in closed session. The student will also be given the same opportunity to address the Board panel. No new evidence shall be presented to the Board panel. The Board Attorney shall serve as the procedural officer. The Board panel will make a determination and inform the student in writing within five (5) business days.

Student Voluntary Withdrawal

If a student is accused of violating the Student Code of Conduct and voluntarily withdraws prior to the conclusion of the disciplinary matter without the consent of the Vice President, the student will not be allowed to re-enroll to the College unless reasonable re-entry restrictions, as determined by the President, are satisfied. For students who withdrew prior to a determination regarding alleged misconduct that threatened the health, safety or well-being of any member of the academic community and/or seriously disrupted the function and good order of the College, in addition to other reasonable re-entry restrictions, the student must provide proof from a psychiatrist or licensed psychologist, at the student's expense, that the student no longer poses a direct threat.

Student Grievance Procedure and Due Process

Any Blue Ridge Community College student has the right to be officially heard in matters where they have general grievances and for which there is no other approved grievance or review process.

To ensure that the grievance is given proper attention, the student should follow these steps:

Step One: Informal Grievance

In the event the alleged grievance lies with an instructor/staff member, the student must first go to that instructor/staff member and attempt to informally resolve the matter. Both the student and instructor/staff member must have an informal conference to discuss the situation and document the attempts taken to resolve the grievance at this level. In the event that the student is unsatisfied with the resolution reached at the informal conference, he/she may proceed to Step Two within ten (10) business days after the informal conference. Not proceeding to Step Two within the time period will result in the grievance not being heard and the matter being closed.

If the grievance concerns issues unrelated to a particular instructor/staff member (for example, an issue with College policy), the student can skip the informal process and proceed to Step Two.

Step Two: Formal Grievance

If the grievance is not resolved at Step One (or, given the nature of the grievance, Step Two begins the process) the student may file a written grievance with the Vice President for Student Services ("Vice President"). The written grievance must contain with specificity the facts supporting the grievance and the attempt, if applicable, to resolve the grievance at the information level.

The Vice President (or, depending on the nature of the grievance, another appropriate Vice President) shall review the written grievance and conduct whatever further investigation, if any, is necessary to determine any additional facts that are needed to resolve the grievance.

The Vice President shall provide his/her written decision within ten (10) business days after receipt of the grievance.

In the event that the student is unsatisfied with the resolution reached by the Vice President, he/she may proceed to Step Three within ten (10) business days after receipt of the Vice President's written determination. Not proceeding to Step Three within the time period will result in the grievance not being heard and the matter being closed.

Step Three: Appeal

If the student is not satisfied with the Vice President's determination, the student may appeal to the President. The appeal must be in writing and must provide a written summary of the specific facts and must contain any other documentation pertinent to the matter. The President will conduct an "on the record" review and, if necessary, conduct any further investigation that is necessary to ascertain the facts needed to make a determination. The President may, at his/her discretion, establish a committee to further investigate the matter and make a recommendation to the President.

At the conclusion of the investigation and not later than fifteen (15) business days after receipt of the student's appeal (unless a committee is needed then within thirty (30) business days), the President shall provide a written decision to the student.

The President's decision is final.

To afford a student due process and the expedient resolution of issues where it is impractical or impossible, given the situation, for a student or his/her supporting witnesses to appear and participate in their grievance in person, special accommodation may be made including written statements, telephone conferences, electronic mail, videotape, live video, or similar means of communication. Once a student initiates this formal grievance, in writing, the complaint becomes part of the record of complaints that is maintained by the College.

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David Stegall
Chief of Staff
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Erick Bolyard
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B.A., University of North Texas

Barry Brown
Director, Facilities & Plant Operations
Diploma, West Henderson High School

Jason Burrell
Groundskeeper
A.A.S., Catawba Valley Community College

Christopher Corbett
Facilities Technician

Diploma, Edneyville High School

Christopher White
Chief of Police / Director of Public Safety
B.S.B.A., Brevard College; BLET, Asheville-Buncombe Technical Community college; M.B.A., Liberty University

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B.A., North Carolina State University; M.A., Ph.D., Emory University

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B.S., Western Carolina University

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Diploma, Stonecrest Preparatory; Detention Officers Certification and BLET, North Carolina Justice Academy

Stephen Coon
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A.A., South College

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Police Officer
Firefighter Level I & II, EMT-Basic, DOCC Certification and BLET, Blue Ridge Community College

Cale Maybin
Assistant Director of Facilities
Diploma, Motorcycle Mechanic's Institute, Orlando

Shawn Moore
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Diploma, Blue Ridge Community College

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Capital Construction Coordinator
B.A., University of Georgia

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Media Services Supervisor

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Diploma, East Henderson High School

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B.A., University of North Alabama

Steven Young
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B.S., University at Buffalo; M.S., Carnegie Mellon University

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B.A., Ashford University; M.A., University of San Francisco; M.S., Kent State University

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Vocational Degree, Universidad de Salamanca; B.S., Clemson University; M.S., Furman University

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Film and Video Production Technology
B.A., University of North Carolina, Wilmington; MLA, University of North Carolina, Asheville

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B.A., Berea College; M.F.A., Louisiana State University

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All Programs

A10100 - Associate in Arts-AA-Transfer Program

Overview

Program Title
Associate in Arts-AA-Transfer Program

Program Code
A10100

Degree Designation
Associate in Arts

Department
Transfer Programs

Fully online option available?
Yes

Minimum Required Credit Hours
60

Description

Program Description
The Associate in Arts degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the student will have opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use. The program is divided into a 31-32 SHC Universal General Education Transfer Component (UGETC) and a 28-29 SHC Degree Completion Component. Courses selected should be chosen carefully to match the requirements of the university or college where the student plans to transfer. Other than course sequences governed by pre-requisites, the two components may be completed in any order.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of “C” or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with junior status. Courses may also transfer through bilateral agreements between institutions. Course substitutions may invalidate the protections afforded under the Comprehensive Articulation Agreement.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

Students will communicate with clarity and precision in appropriate contexts.

Students will analyze and solve problems using discipline-appropriate techniques and technologies.

Students will be prepared to succeed academically upon transfer to a four-year institution.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Natural Sciences

Earn at least 4 credits from the following:
- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)
- GEL111 - Geology (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Humanities/Fine Arts

Earn at least 9 credits from the following:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)

- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

(You must select from 2 different discipline areas)

Social/Behavioral Science

Earn at least 9 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

(You must select from 2 different discipline areas)

Additional General Education Courses

Earn at least 14 credits from the following:

- AA/AS General Education Courses

Other Required Courses

Pre-major, elective, or general education
Type
Completion Requirement

Pre-major, elective or general education

Take 13-14 credits from courses classified in the CAA as pre-major, elective or general education

ACA
Type
Completion Requirement

ACA-122

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits **Total Major Credits**
0 0
Total Minor Credits **Total Elective Credits**
0 0

A1010T - Associate in Arts in Teacher Preparation

Overview

Program Title
Associate in Arts in Teacher Preparation

Program Code
A1010T

Degree Designation
Associate in Arts

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
60

Description

Program Description
The Associate in Arts in Teacher Preparation degree is designed for those who wish to begin study toward a baccalaureate degree in teaching in a non-STEM major within K-12 grades. It shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.7 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Students must meet the senior university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Program Learning Outcomes (PLO's)

PLO Short Name Design and implement	Design and implement developmentally appropriate and challenging learning experiences

PLO Short Name Conduct developmentally	Conduct developmentally appropriate formative and summative assessment to inform teaching and learning

PLO Short Name Reflect on	Reflect on personal teaching practices to promote positive outcomes for each child

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications (1st Humanities/Fine Arts)

Complete at least 1 of the following courses:
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)

Literature (2nd Humanities/Fine Arts)

Complete at least 1 of the following courses:
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)

Humanities/Fine Arts (3rd Humantities/Fine Arts)

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

History (1st Social/Behav Sci)

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)

Social/Behavioral Sci (2nd Social/Behav Sci)

Complete at least 1 of the following courses:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Mathematics

Complete at least 1 of the following courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Natural Sciences

Earn at least 4 credits from the following:

- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)
- GEL111 - Geology (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)

Sociology Requirement

Complete ALL of the following Courses:

- SOC225 - Social Diversity (3 cr)

Additional Gen Ed

Earn at least 14 credits from the following:

- Teacher Prep Gen Ed Electives List

Other Major Hours - Required

Other Required Hours
Type
Completion Requirement

Other Required Hours

Complete ALL of the following Courses:

- EDU187 - Teaching and Learning for All (4 cr)
- EDU216 - Foundations of Education (3 cr)
- EDU250 - Teacher Licensure Preparation (3 cr)
- EDU279 - Literacy Development and Instruction (4 cr)

Other Required Courses

Other Requirements
Type
Completion Requirement

Other Requirements

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
60 - 62

Year	Semester	Actual Credits
Year 1	Fall	13 - 14

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	4

Requirement Select

- Choose one of the following: COM120 or COM231 (Milestone)
  OR
- Choose one of the following: HIS111, HIS112, HIS131 or HIS 132 (Milestone)
  OR
- Choose one of the following: MAT143, MAT152 or MAT171 (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	9 - 10

Year	Semester	Actual Credits
Year 1	Spring	13 - 14

Requirement Select

- EDU187 - Teaching and Learning for All

Minimum Grade	C
Area	Major
Actual Credits	4

Requirement Select
- ENG112 - Writing & Research in the Disciplines

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select
- 4 credits must be selected from the Natural Science Elective list (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	4

Requirement Select
- 2-3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	C
Area	Major
Actual Credits	2 - 3

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select
- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)

OR
- 3 credits must be selected from the Social/ Behavioral Elective list (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select
- SOC225 - Social Diversity

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select
- EDU216 - Foundations of Education
- **AND** EDU250 - Teacher Licensure Preparation

Minimum Grade	C
Area	Major
Actual Credits	6

Requirement Select
- 6 credits must be selected from the list of Major Course Electives list (Milestone)

Minimum Grade	C
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select
- 3 credits must be selected from the ENG Literature Elective list (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select
- EDU279 - Literacy Development and Instruction

Minimum Grade	C
Area	Major
Actual Credits	4

Requirement Select
- 6 Credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	C
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
32 - 33	28 - 29
Total Minor Credits	**Total Elective Credits**
0	0

A10300 - Associate in General Education

Overview

Program Title
Associate in General Education

Program Code
A10300

Degree Designation
Associate in Arts

Department
General Education

Minimum Required Credit Hours
64

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Arts

Earn at least 3 credits from the following:

- ART111 - Art Appreciation (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- FRE111 - Elementary French I (3 cr)
- FRE181 - French Lab 1 (1 cr)
- PHI210 - History of Philosophy (3 cr)
- PHI240 - Introduction to Ethics (3 cr)
- REL110 - World Religions (3 cr)
- SPA111 - Elementary Spanish I (3 cr)
- SPA181 - Spanish Lab 1 (1 cr)

Social/Behavioral Sciences

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- GEO111 - World Regional Geography (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)
- SOC220 - Social Problems (3 cr)

Math/Natural Sciences

Earn at least 3 credits from the following:

- BIO111 - General Biology I (4 cr)
- CHM131 - Introduction to Chemistry (3 cr)
- CHM131A - Introduction to Chemistry Lab (1 cr)
- CIS110 - Introduction to Computers (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT171 - Precalculus Algebra (4 cr)
- PHY151 - College Physics I (4 cr)

2nd Communications

Complete ALL of the following Courses:

- COM231 - Public Speaking (3 cr)

Other Required Courses

Other Requirements
Type
Completion Requirement

Other Required

Earn at least 6 credits from the following:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)
- PED110 - Well for Life (2 cr)
- PED111 - Physical Fitness I (1 cr)
- PED117 - Weight Training I (1 cr)
- PED118 - Weight Training II (1 cr)
- PED119 - Circuit Training (1 cr)
- PED120 - Walking for Fitness (1 cr)
- PED122 - Yoga I (1 cr)
- PED123 - Yoga II (1 cr)
- PED217 - Pilates I (1 cr)
- PED218 - Pilates II (1 cr)

Maximum 7 Credits, only 1 credit hour from ACA is needed

Electives

Earn at least 40 credits from the following:

- ACC120 - Principles of Financial Accounting (4 cr)
- ACC121 - Principles of Managerial Accounting (4 cr)
- ANT210 - General Anthropology (3 cr)
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- ART121 - Two-Dimensional Design (3 cr)
- ART122 - Three-Dimensional Design (3 cr)
- ART131 - Drawing I (3 cr)

- ART132 - Drawing II (3 cr)
- ART171 - Digital Design I (3 cr)
- ART231 - Printmaking I (3 cr)
- ART232 - Printmaking II (3 cr)
- ART240 - Painting I (3 cr)
- ART241 - Painting II (3 cr)
- ART264 - Digital Photography I (3 cr)
- ART265 - Digital Photography II (3 cr)
- ART266 - Videography I (3 cr)
- ART267 - Videography II (3 cr)
- ART271 - Digital Design II (3 cr)
- ART281 - Sculpture I (3 cr)
- ART282 - Sculpture II (3 cr)
- ART283 - Ceramics I (3 cr)
- ART284 - Ceramics II (3 cr)
- ASL111 - Elementary ASL I (3 cr)
- ASL112 - Elementary ASL II (3 cr)
- ASL181 - ASL Lab 1 (1 cr)
- ASL182 - ASL Lab 2 (1 cr)
- ASL211 - Intermediate ASL I (3 cr)
- ASL212 - Intermediate ASL II (3 cr)
- ASL281 - ASL Lab 3 (1 cr)
- ASL282 - ASL Lab 4 (1 cr)
- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- AST152 - General Astronomy II (3 cr)
- AST152A - General Astronomy II Lab (3 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- BIO112 - General Biology II (4 cr)
- BIO140 - Environmental Biology (3 cr)
- BIO140A - Environmental Biology Lab (1 cr)
- BIO145 - Ecology (4 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)
- BIO165 - Anatomy and Physiology I (4 cr)
- BIO166 - Anatomy and Physiology II (4 cr)
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)
- BIO175 - General Microbiology (3 cr)
- BIO242 - Natural Resource Conservation (3 cr)
- BIO275 - Microbiology (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- BUS228 - Business Statistics (3 cr)
- CHM130 - Gen, Org, and Biochemistry (3 cr)
- CHM130A - General, Organic, and Biochemistry Lab (1 cr)
- CHM131 - Introduction to Chemistry (3 cr)
- CHM131A - Introduction to Chemistry Lab (1 cr)
- CHM151 - General Chemistry I (4 cr)
- CHM152 - General Chemistry II (4 cr)
- CHM251 - Organic Chemistry I (4 cr)
- CHM252 - Organic Chemistry II (4 cr)
- CIS110 - Introduction to Computers (3 cr)
- CIS115 - Introduction to Programming & Logic (3 cr)
- CJC111 - Introduction to Criminal Justice (3 cr)
- CJC121 - Law Enforcement Operations (3 cr)
- CJC141 - Corrections (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM140 - Introduction to Intercultural Communication (3 cr)
- COM160 - Small Group Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- CSC134 - C++ Programming (3 cr)
- CSC151 - JAVA Programming (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)
- DFT170 - Engineering Graphics (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- DRA112 - Literature of the Theatre (3 cr)
- DRA120 - Voice for Performance (3 cr)
- DRA124 - Readers Theatre (3 cr)
- DRA130 - Acting I (3 cr)
- DRA131 - Acting II (3 cr)
- DRA140 - Stagecraft I (3 cr)
- DRA141 - Stagecraft II (3 cr)
- DRA145 - Stage Make-Up (2 cr)
- DRA170 - Play Production I (3 cr)
- DRA171 - Play Production II (3 cr)
- DRA211 - Theatre History I (3 cr)
- DRA212 - Theatre History II (3 cr)
- DRA270 - Play Production III (3 cr)
- DRA271 - Play Production IV (3 cr)
- ECO151 - Survey of Economics (3 cr)
- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- EDU144 - Child Development I (3 cr)
- EDU145 - Child Development II (3 cr)
- EDU216 - Foundations of Education (3 cr)
- EDU221 - Children With Exceptionalities (3 cr)
- EGR150 - Introduction to Engineering (2 cr)
- EGR220 - Engineering Statics (3 cr)
- ENG113 - Literature-Based Research (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- ENG125 - Creative Writing I (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- ENG252 - Western World Literature (3 cr)
- ENG262 - World Literature II (3 cr)
- ENG272 - Southern Literature (3 cr)
- FRE111 - Elementary French I (3 cr)
- FRE112 - Elementary French II (3 cr)
- FRE141 - Culture and Civilization (3 cr)
- FRE151 - Francophone Literature (3 cr)

- FRE181 - French Lab 1 (1 cr)
- FRE182 - French Lab 2 (1 cr)
- FRE211 - Intermediate French I (3 cr)
- FRE212 - Intermediate French II (3 cr)
- FRE281 - French Lab 3 (1 cr)
- FRE282 - French Lab 4 (1 cr)
- GEL111 - Geology (4 cr)
- GEO111 - World Regional Geography (3 cr)
- HEA110 - Personal Health/Wellness (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- HIS236 - North Carolina History (3 cr)
- HUM110 - Technology and Society (3 cr)
- HUM123 - Appalachian Culture (3 cr)
- HUM160 - Introduction to Film (3 cr)
- HUM180 - International Cultural Exploration (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)
- MAT273 - Calculus III (4 cr)
- MAT280 - Linear Algebra (3 cr)
- MAT285 - Differential Equations (3 cr)
- MUS110 - Music Appreciation (3 cr)
- MUS121 - Music Theory I (3 cr)
- MUS151 - Class Music I (1 cr)
- MUS152 - Class Music II (1 cr)
- MUS251 - Class Music III (1 cr)
- MUS252 - Class Music IV (1 cr)
- PED110 - Well for Life (2 cr)
- PED111 - Physical Fitness I (1 cr)
- PED117 - Weight Training I (1 cr)
- PED118 - Weight Training II (1 cr)
- PED119 - Circuit Training (1 cr)
- PED120 - Walking for Fitness (1 cr)
- PED121 - Walk, Jog, Run (1 cr)
- PED122 - Yoga I (1 cr)
- PED123 - Yoga II (1 cr)
- PED217 - Pilates I (1 cr)
- PED218 - Pilates II (1 cr)
- PHI210 - History of Philosophy (3 cr)
- PHI240 - Introduction to Ethics (3 cr)
- PHS130 - Earth Science (4 cr)
- PHY151 - College Physics I (4 cr)
- PHY152 - College Physics II (4 cr)
- PHY251 - General Physics I (4 cr)
- PHY252 - General Physics II (4 cr)
- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY231 - Forensic Psychology (3 cr)
- PSY237 - Social Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- PSY271 - Sports Psychology (3 cr)
- PSY281 - Abnormal Psychology (3 cr)
- REL110 - World Religions (3 cr)
- REL211 - Introduction to Old Testament (3 cr)
- REL212 - Introduction to New Testament (3 cr)
- REL221 - Religion in America (3 cr)
- SOC210 - Introduction to Sociology (3 cr)
- SOC213 - Sociology of the Family (3 cr)
- SOC220 - Social Problems (3 cr)
- SOC225 - Social Diversity (3 cr)
- SPA111 - Elementary Spanish I (3 cr)
- SPA112 - Elementary Spanish II (3 cr)
- SPA141 - Culture and Civilization (3 cr)
- SPA161 - Cultural Immersion (3 cr)
- SPA181 - Spanish Lab 1 (1 cr)
- SPA182 - Spanish Lab 2 (1 cr)
- SPA211 - Intermediate Spanish I (3 cr)
- SPA212 - Intermediate Spanish II (3 cr)
- SPA221 - Spanish Conversation (3 cr)
- SPA231 - Reading and Composition (3 cr)
- SPA281 - Spanish Lab 3 (1 cr)
- SPA282 - Spanish Lab 4 (1 cr)

Maximum 46 credits

A10300O - Occupational Therapy Assistant

Overview

Program Title
Occupational Therapy Assistant

Program Code
A10300O

Degree Designation
1+1 Transfer Program

Department
Healthcare Programs

Articulation Agreement
1 + 1 Transfer Program with South College

Fully online option available?
Yes

Minimum Required Credit Hours
31

Description

Program Description
In this program, students will complete the first year of related courses at Blue Ridge Community College, and the second year, a professional core of courses at South College Asheville campus. The student will make a separate application to South College during their first year to continue the program.

Limited spaces are available at South College in this program. Successful completion of courses at Blue Ridge Community College does not guarantee a specific entry date at South College. Students should consult South College for the latest admission requirements. Students start their major courses at South College in either April or October, so students interested in transferring should contact South College in either February or March to complete pre-admission items

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications

Complete ALL of the following Courses:
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete ALL of the following Course Sets:
- Humanities (AAS)

Social/Behavioral Science Requirement

Complete ALL of the following Courses:
- PSY150 - General Psychology (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Additional Science Requirement

Complete ALL of the following Courses:
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Other Major Hours - Required

Other Required Hours
Type
Completion Requirement

Other Required Hours

Complete ALL of the following Courses:
- MED121 - Medical Terminology I (3 cr)

Other Required Courses

Other Requirement
Type
Completion Requirement

Other Requirement

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

A10300PT - Physical Therapist Assistant

Overview

Program Title
Physical Therapist Assistant

Program Code
A10300PT

Degree Designation
1+1 Transfer Program

Department
Healthcare Programs

Articulation Agreement
1 + 1 Articulation Agreement with South College

Minimum Required Credit Hours
34

Description

Program Description
In this program, students will complete the first year of related courses at Blue Ridge Community College, and the second year, a professional core of courses at South College, Asheville campus. The student will make a separate application to South College during their first year to continue the program.

Limited spaces are available at South College in this program. Successful completion of courses at Blue Ridge Community College does not guarantee a specific entry date at South College. Students should consult South College for the latest admission requirements. Students start their major courses at South College in either April or October, so students interested in transferring should contact South College in either February or March to complete pre-admission items. Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications

Complete ALL of the following Courses:
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete ALL of the following Course Sets:
- Humanities (AAS)

Social/ Behavioral Sci

Complete ALL of the following Courses:
- PSY150 - General Psychology (3 cr)

1st Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

2nd Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT172 - Precalculus Trigonometry (4 cr)

Natural Science

Complete ALL of the following Courses:
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Medical Terminology

Complete ALL of the following Courses:
- MED121 - Medical Terminology I (3 cr)

Success Skills

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

A1030N - Associate in General Education Nursing – AGE Nursing

Overview

Program Title
Associate in General Education Nursing – AGE Nursing

Program Code
A1030N

Degree Designation
Associate in Science

Department
Transfer Programs

Fully online option available?
Yes

Minimum Required Credit Hours
60

Description

Program Description
The Associate in General Education (AGE)-Nursing program is designed for students who wish to begin their studies toward the Associate Degree in Nursing and a Bachelor's Degree in Nursing as based on Blocks 1 through 3 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) programs and the North Carolina Community College Associate Degree Nursing Programs which was approved by the State Board of Community Colleges and the UNC Board of Governors in February 2015. The AGE-Nursing (A1030N) is a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses.

Students who choose this program of study may take courses that are also required in the Associate Degree Nursing program, but a student in the (AGE)- Nursing program of study has not been accepted into the Associate Degree Nursing (ADN) program. These are two different programs of study. Students who wish to apply to the Associate Degree Nursing program should find the Associate Degree Nursing (A45110) page in the catalog. Students may remain in the AGEN program of study while enrolled in the ADN program. Students who choose to dual enroll in the AGEN program should be aware of any financial aid implications for their specific situation.

A student who completes both the ADN program with a GPA of at least 2.0 and a grade of C or better in the AGE-Nursing courses listed below, and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the student's program of choice.

Program Requirements

Simple Requisites

General Education

General Education

Type
Completion Requirement

1st Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Composition

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Earn at least *6* credits from the following:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Literature

Complete at least 1 of the following courses:
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)

Social/Behavioral Science

Complete at least 1 of the following courses:
- PSY150 - General Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Sociology

Complete at least 1 of the following courses:
- SOC213 - Sociology of the Family (3 cr)
- SOC220 - Social Problems (3 cr)
- SOC225 - Social Diversity (3 cr)

History

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)

Biology

Complete ALL of the following Courses:
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Chemistry

Earn at least 4 credits from the following:

- CHM130 - Gen, Org, and Biochemistry (3 cr)
- CHM130A - General, Organic, and Biochemistry Lab (1 cr)
- CHM131 - Introduction to Chemistry (3 cr)
- CHM131A - Introduction to Chemistry Lab (1 cr)
- CHM151 - General Chemistry I (4 cr)

1st Mathematics

Complete ALL of the following Courses:

- MAT152 - Statistical Methods I (4 cr)

2nd Mathematics

Complete at least 1 of the following courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT171 - Precalculus Algebra (4 cr)

Microbiology

Complete at least 1 of the following courses:

- BIO175 - General Microbiology (3 cr)
- BIO275 - Microbiology (4 cr)

Other Required Courses

CAA Transfer Course list
Type
Completion Requirement

General Education, Pre-Major, Elective

Earn at least 7 credits from the following:

No selection provided

Electives must be selected from the transfer Course List in the Comprehensive Articulation Agreement which is located at: http://www.nccommunitycolleges.edu/academic-programs-college-transferarticulation-agreements. (Suggested electives include foreign languages, speech, culture and computer science)

ACA

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

A10400 - Associate in Science – AS Transfer Program

Overview

Program Title
Associate in Science – AS Transfer Program

Program Code
A10400

Degree Designation
Associate in Science

Department
Transfer Programs

Fully online option available?
Yes

Minimum Required Credit Hours
60

Description

Program Description
The Associate in Science degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the student will have opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use. The program is divided into a 34 SHC Universal General Education Transfer Component (UGETC) and a 26 SHC Degree Completion Component. Courses selected should be chosen carefully to match the requirements of the university or college where the student plans to transfer. Other than course sequences governed by pre-requisites, the two components may be completed in any order.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of “C” or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions. Course substitutions may invalidate the protections afforded under the Comprehensive Articulation Agreement.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

Communicate with clarity and precision in appropriate contexts.

Analyze and solve problems using discipline-appropriate technique and technologies.

Be prepared to succeed academically upon transfer to a four-year institution.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Composition

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Earn at least 6 credits from the following:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

(Select two courses from two different subject areas)

Social/Behavioral Science

Earn at least 6 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

(Select two courses from two different subject areas)

Mathematics

Earn at least 8 credits from the following:

- MAT171 - Precalculus Algebra (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)

Natural Science

Earn at least 8 credits from the following:

- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- BIO112 - General Biology II (4 cr)
- CHM151 - General Chemistry I (4 cr)
- CHM152 - General Chemistry II (4 cr)
- GEL111 - Geology (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)
- PHY151 - College Physics I (4 cr)
- PHY152 - College Physics II (4 cr)
- PHY251 - General Physics I (4 cr)
- PHY252 - General Physics II (4 cr)

General Education

Earn at least 11 credits from the following:

- AA/AS General Education Courses

Other Required Courses

Pre major, elective or general education courses
Type
Completion Requirement

Electives

Earn at least 14 credits from the following:

- AA/AS Electives

ACA

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

A10400FS - Associate in Science – Pathway to ASU Fermentation Science – Transfer Agreement

Overview

Program Title
Associate in Science – Pathway to ASU Fermentation Science – Transfer Agreement

Program Code
A10400FS

Degree Designation
Associate in Science

Department
Brewing Programs

Minimum Required Credit Hours
61

Description

Program Description
Appalachian State University (ASU) and Blue Ridge Community College (Blue Ridge) have agreed to partner in an effort to outline a specific pathway for students to obtain an Associate in Science Degree that also meets the first two years of coursework requirements for the BS degree in Fermentation Science from Appalachian State University. Students must complete the Associate in Science degree from Blue Ridge, apply to graduate, and have the Associate in Science degree posted on their official transcript. ASU will guarantee space availability for two Blue Ridge students until March 1 prior to Fall Semester enrollment. After that time, spaces will be released to the general student population. The Dean of Arts and Sciences at Blue Ridge will make student recommendations to the Director of the Office of Transfer Articulation and the Program Coordinator of Fermentation Science. Blue Ridge students must apply for admission and be admitted to Appalachian State University to articulate appropriate course credit. Students are recommended to have a complete application for admission to the university by December 1 prior to the start of the intended fall term. Upon acceptance to ASU, the recommended Blue Ridge students can complete a major declaration for the Fermentation Sciences program. The ASU Fermentation Science course sequencing begins in the Fall Semester of each academic year.

Community college graduates must obtain a grade of “C” or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status.

The courses listed are required in order to be considered for one of the two Blue Ridge positions. The courses listed will satisfy Blue Ridge Community College's requirements for the Associate in Science degree. Other courses may be used to complete the Associate in Science degree but may not meet the requirements for application to the Fermentation Science program at ASU.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

For more detailed information about the Fermentation Science pathway, contact the Dean for Arts and Sciences.

Program Requirements

Simple Requisites

General Education

Universal General Education Transfer Component Courses (UGETC)
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications

Complete ALL of the following Courses:
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Earn at least 3 credits from the following:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Economics Required

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

History Required

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)

- MAT271 - Calculus I (4 cr)

Natural Sciences

Complete ALL of the following Courses:

- BIO111 - General Biology I (4 cr)
- BIO112 - General Biology II (4 cr)
- CHM151 - General Chemistry I (4 cr)
- CHM152 - General Chemistry II (4 cr)

Addl Social/Behavioral Science

Complete at least 1 of the following courses:

- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Other Major Hours - Required

Other Required Hours
Type
Completion Requirement

Business and Math

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Other Required Courses

Other Requirements
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

A1040T - Associate in Science in Teacher Preparation

Overview

Program Title
Associate in Science in Teacher Preparation

Program Code
A1040T

Degree Designation
Associate in Science

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
60

Description

Program Description
The Associate in Science in Teacher Preparation degree is designed for those who wish to begin study toward a baccalaureate degree in teaching in a STEM or technical major within K-12 grades. It shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic computer use.

This program is under the Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) which enables North Carolina community college graduates of this two-year associates degree who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status.

Community college graduates must obtain a grade of “C” or better in each course and an overall GPA of at least 2.7 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Students must meet the senior university’s foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Program Learning Outcomes (PLO's)

PLO Short Name Design and implement	Design and implement developmentally appropriate and challenging learning experiences

PLO Short Name Conduct developmentally	Conduct developmentally appropriate formative and summative assessment to inform teaching and learning

PLO Short Name	Reflect on personal teaching practices to promote positive outcomes for each child
Reflect on	

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communicatoins (1st Humanities/Fine Arts)

Complete at least 1 of the following courses:

- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts (2nd Humanities/Fine Arts)

Complete at least 1 of the following courses:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Sci

Complete at least 1 of the following courses:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Mathematics

Complete at least 2 of the following courses:

- MAT171 - Precalculus Algebra (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)

Natural Sciences

Earn at least 8 credits from the following:

- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- BIO112 - General Biology II (4 cr)
- CHM151 - General Chemistry I (4 cr)
- CHM152 - General Chemistry II (4 cr)
- GEL111 - Geology (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)
- PHY151 - College Physics I (4 cr)
- PHY152 - College Physics II (4 cr)
- PHY251 - General Physics I (4 cr)
- PHY252 - General Physics II (4 cr)

Sociology Requirement

Complete ALL of the following Courses:

- SOC225 - Social Diversity (3 cr)

Additional General Education

Earn at least 11 credits from the following:

- Teacher Prep Gen Ed Electives List

Other Required Courses

Other Required Hours
Type
Completion Requirement

Other Required Hours

Complete ALL of the following Courses:

- EDU187 - Teaching and Learning for All (4 cr)
- EDU216 - Foundations of Education (3 cr)
- EDU250 - Teacher Licensure Preparation (3 cr)
- EDU279 - Literacy Development and Instruction (4 cr)

Other Requirements
Type

Completion Requirement

Other Requirements

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
58 - 59

Year	Semester	Actual Credits
Year 1	Fall	18

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry

Minimum Grade C
Area General Education
Actual Credits 4

Requirement Select

- COM120 - Introduction to Interpersonal Communication
  OR
- COM231 - Public Speaking

Minimum Grade C
Area General Education
Actual Credits 10

Requirement Select

- 3 credits must be selected from the Social/ Behavioral Science Electives list (Milestone)

Minimum Grade -
Area -
Actual Credits -

Requirement Select

- MAT171 - Precalculus Algebra
  OR
- MAT271 - Calculus I

Minimum Grade -
Area -
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Spring	10 - 11

Requirement Select

- EDU187 - Teaching and Learning for All
- **AND** ENG112 - Writing & Research in the Disciplines

Minimum Grade C
Area Major
Actual Credits 4

Requirement Select

- MAT172 - Precalculus Trigonometry
  OR
- MAT272 - Calculus II

Minimum Grade C
Area General Education
Actual Credits 4

Requirement Select

- 2-3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade C
Area Major
Actual Credits 2 - 3

Year	Semester	Actual Credits
Year 1	Summer	3

Requirement Select

- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)

Minimum Grade C
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Fall	13

Requirement Select

- EDU216 - Foundations of Education
- **AND** EDU250 - Teacher Licensure Preparation
- **AND** SOC225 - Social Diversity

Minimum Grade C
Area Major
Actual Credits 6

Requirement Select

- 4 credits must be selected from the Natural Science Elective list (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	4

Requirement Select

- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	C
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	14

Requirement Select

- EDU279 - Literacy Development and Instruction

Minimum Grade	C
Area	Major
Actual Credits	4

Requirement Select

- 4 credits must be selected from the Natural Science Elective list (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	4

Requirement Select

- 6 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	C
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
29	25 - 26
Total Minor Credits	**Total Elective Credits**
0	0

A10500 - Associate in Engineering

Overview

Program Title
Associate in Engineering

Program Code
A10500

Degree Designation
1+1 Transfer Program

Department
Transfer Programs, Engineering Programs

Articulation Agreement
AE Degree - Transfer Program

Minimum Required Credit Hours
60

Description

Program Description
The Associate in Engineering (AE) degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The degree plan includes required general education and prerequisite courses that are acceptable to all state-funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these programs without taking additional, and sometimes duplicative, courses. Admission to bachelor's level engineering programs is highly competitive and admission is not guaranteed.

To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name	Clearly communicate, in both oral and written formats, Engineering designs, problems, or issues.
Understanding	

PLO Short Name	
Design solutions	Design solutions for an engineering technical problem.

PLO Short Name	
Engineering principles	Apply engineering principles and concepts to solve design problems to complete calculations to answer contextualized questions, represent data in appropriate forms, and communicate the results.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities

Complete at least 1 of the following courses:
- ENG231 - American Literature I (3 cr)
- PHI240 - Introduction to Ethics (3 cr)
- REL110 - World Religions (3 cr)

Select a course based upon the transfer University and engineering discipline requirement

Fine Arts/Communications

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- MUS110 - Music Appreciation (3 cr)

Select a course based upon the transfer University and engineering discipline requirement.

1st Social/Behavioral Science (Economics Required)

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

2nd Social/Behavioral Science

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)
- MAT273 - Calculus III (4 cr)

Natural Sciences

Complete ALL of the following Courses:
- CHM151 - General Chemistry I (4 cr)
- PHY251 - General Physics I (4 cr)
- PHY252 - General Physics II (4 cr)

Additional Gen Ed

Complete ALL of the following Courses:
- COM231 - Public Speaking (3 cr)

Other Major Hours - Required

Intro to Engineering
Type
Completion Requirement

Student Success

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)
- EGR150 - Introduction to Engineering (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Degree Pathways

Complete at least 1 of the following:

Mechanical or Aerospace or General Engineering Pathway (12 credits)

Complete ALL of the following Courses:
- DFT170 - Engineering Graphics (3 cr)
- EGR220 - Engineering Statics (3 cr)

- MAT285 - Differential Equations (3 cr)
- CSC134 - C++ Programming (3 cr)

OR

Electrical Engineering Pathway

Complete at least 12 of the following courses:

- CSC134 - C++ Programming (3 cr)
- EGR210 - Introduction to Electrical/Computer Engineering Lab (2 cr)
- EGR212 - Logic System Design I (3 cr)
- EGR215 - Network Theory I (3 cr)
- EGR216 - Logic and Network Lab (3 cr)
- MAT285 - Differential Equations (3 cr)

OR

Chemical Engineering Pathway

Complete at least 12 of the following courses:

- CHM251 - Organic Chemistry I (4 cr)
- CHM252 - Organic Chemistry II (4 cr)
- CHM152 - General Chemistry II (4 cr)
- MAT285 - Differential Equations (3 cr)
- DFT170 - Engineering Graphics (3 cr)

OR

Civil Engineering Pathway

Complete at least 12 of the following courses:

- DFT170 - Engineering Graphics (3 cr)
- EGR220 - Engineering Statics (3 cr)
- MAT285 - Differential Equations (3 cr)
- GEL111 - Geology (4 cr)
- CSC151 - JAVA Programming (3 cr)
- CSC134 - C++ Programming (3 cr)

Only one CSC prefix course is allowed.

OR

Industrial Engineering Pathway

Complete ALL of the following Courses:

- EGR220 - Engineering Statics (3 cr)
- HUM110 - Technology and Society (3 cr)
- MAT280 - Linear Algebra (3 cr)
- MAT285 - Differential Equations (3 cr)

OR

Computer Engineering Pathway

Complete ALL of the following Courses:

- DFT170 - Engineering Graphics (3 cr)
- HUM110 - Technology and Society (3 cr)
- MAT280 - Linear Algebra (3 cr)
- MAT285 - Differential Equations (3 cr)

OR

Environmental or Biological Engineering Pathway

Complete ALL of the following Courses:

- CHM152 - General Chemistry II (4 cr)
- EGR220 - Engineering Statics (3 cr)
- HUM110 - Technology and Society (3 cr)
- MAT285 - Differential Equations (3 cr)

OR

Computer Science Pathway

Complete ALL of the following Courses:

- CSC151 - JAVA Programming (3 cr)
- DFT170 - Engineering Graphics (3 cr)
- GEL111 - Geology (4 cr)
- MAT280 - Linear Algebra (3 cr)

A10600 - Associate in Fine Arts in Visual Arts

Overview

Program Title
Associate in Fine Arts in Visual Arts

Program Code
A10600

Degree Designation
Associate in Arts

Department
Transfer Programs

Minimum Required Credit Hours
60

Description

Program Description
The Associate in Fine Arts in Visual Arts degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

Create artwork that is technically and conceptually well-crafted using the tools and concepts appropriate to the discipline.

Create a professional portfolio of work.

Apply the elements of art and principles of design to make aesthetically-informed judgements and decisions, resulting in the creation of personally-driven, well crafted works of 2D and 3D art.

Communicate using the language and vocabulary of fine art in both written and verbal form.

Articulate the history and traditions of the discipline.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)
- MAT271 - Calculus I (4 cr)

Natural Science

Earn at least 4 credits from the following:
- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)

Humanities/Fine Arts

Earn at least 6 credits from the following:
- ART111 - Art Appreciation (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)

- PHI240 - Introduction to Ethics (3 cr)

(Two courses from two different discipline areas must be selected)

Social/Behavioral Science

Earn at least 6 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

(Two courses from two different discipline areas must be selected)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Required Art C

Complete ALL of the following Courses:

- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- ART121 - Two-Dimensional Design (3 cr)
- ART122 - Three-Dimensional Design (3 cr)
- ART131 - Drawing I (3 cr)

Electives

Earn at least 19 credits from the following:

- AA/AS Electives

(Take 19-20 credits depending on MAT selection above)

ACA

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

A10800 - Associate in Fine Arts in Theatre

Overview

Program Title
Associate in Fine Arts in Theatre

Program Code
A10800

Degree Designation
Associate in Arts

Department
Transfer Programs

Minimum Required Credit Hours
60

Description

Program Description
The Associate in Fine Arts in Theatre degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

Students will create a professional acting and/or technical portfolio.

Students will critique live and recorded theatrical productions.

Students will analyze the influence of historical eras on theatrical production.

Program Requirements

Students will build their resumes and practical skills by participating in an assignment position in a college production and learn how to objectively assess their skills.

Simple Requisites

General Education

General Education Type

Completion Requirement

English Composition

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Mathematics

Complete at least 1 of the following courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)
- MAT271 - Calculus I (4 cr)

Natural Science

Earn at least 4 credits from the following:

- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- CHM151 - General Chemistry I (4 cr)
- BIO111 - General Biology I (4 cr)

Humanities/Fine Arts

Earn at least 9 credits from the following:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

(You must select from 2 different discipline areas)

Social/Behavioral Science

Earn at least 9 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

(You must select from 2 different discipline areas)

Other Required Courses

Other Required Hours

Type

Completion Requirement

Theatre History

Complete ALL of the following Courses:

- DRA211 - Theatre History I (3 cr)
- DRA212 - Theatre History II (3 cr)

Select 1 pathway from below

Acting Pathway

Complete ALL of the following Courses:

- DRA130 - Acting I (3 cr)
- DRA135 - Acting for the Camera I (3 cr)
- DRA170 - Play Production I (3 cr)

Technical Pathway

Complete ALL of the following Courses:

- DRA140 - Stagecraft I (3 cr)
- DRA141 - Stagecraft II (3 cr)
- DRA170 - Play Production I (3 cr)

Electives

Earn at least 13 credits from the following:

- AA/AS Electives

(Take 13-14 credits depending on MAT selection above)

Other Requirements

Type

Completion Requirement

ACA

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits **Total Major Credits**
0 0
Total Minor Credits **Total Elective Credits**
0 0

A15240 - Horticulture Technology

Overview

Program Title
Horticulture Technology

Program Code
A15240

Degree Designation
Associate in Applied Science

Department
Horticulture Programs

Minimum Required Credit Hours
68

Description

Program Description
A program that focuses on the general production and management of cultivated plants, shrubs, flowers, foliage, trees, groundcovers, and related plant materials; the management of technical and business operations connected with horticultural services; and the basic scientific principles needed to understand plants and their management and care.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Program Learning Outcomes (PLO's)

PLO Short Name Maintenance	Demonstrate proper use and maintenance of the tools and equipment applicable to each student's particular area of interest within the field of horticulture (i.e. power tools, greenhouse operations, landscape design instruments and software, etc.)

PLO Short Name Growth	Mange the growth and maintenance requirements of a variety of plants in both indoor and outdoor settings as necessary to the student's particular area of study. (i.e. turf grass, greenhouse production, fruits & vegetables, trees & shrubs, landscape plants, etc.)

PLO Short Name Careers	Evaluate the requirements and benefits offered by the various careers available within the field of horticulture, and demonstrate professional behavior congruent with that chosen field.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete at least 1 of the following courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- COM231 - Public Speaking (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)

Social Sciences/Humanities

Take at least 3 credits from each category

Earn at least 3 credits from the following:
- Social/Behavioral Science Electives (AAS)
- Humanities (AAS)

Technical Core

Technical Core
Type
Completion Requirement

Required Courses

Complete ALL of the following Courses:
- HOR112 - Landscape Design I (3 cr)
- HOR160 - Plant Materials I (3 cr)
- HOR161 - Plant Materials II (3 cr)
- HOR162 - Applied Plant Science (3 cr)
- HOR164 - Horticultural Pest Management (3 cr)
- HOR166 - Soils & Fertilizers (3 cr)
- HOR168 - Plant Propagation (3 cr)

Operations

Complete at least 1 of the following courses:
- HOR124 - Nursery Operations (3 cr)
- HOR134 - Greenhouse Operations (3 cr)

Other Major Hours - Required

Other Major Hours Required
Type
Completion Requirement

Other Requirements

Complete ALL of the following Courses:
- AGR121 - Biological Pest Management (3 cr)
- HOR152 - Horticultural Practices (1 cr)
- HOR235 - Greenhouse Production (3 cr)
- HOR265 - Advanced Plant Materials (2 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Major Hours - Electives List

Other Major Hours-Electives List
Type
Completion Requirement

Electives

Earn at least 18 credits from the following:
- AGR265 - Organic Crop Production: Spring (3 cr)
- AGR267 - Permaculture (3 cr)
- BUS230 - Small Business Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- GCM220 - Golf Course Maintenance Systems (3 cr)
- HOR114 - Landscape Construction (3 cr)
- HOR116 - Landscape Management I (3 cr)
- HOR118 - Equipment Operations & Maintenance (2 cr)

- HOR142 - Fruit & Vegetable Production (2 cr)
- HOR154 - Introduction to Horticultural Therapy (4 cr)
- HOR213 - Landscape Design II (3 cr)
- HOR215 - Landscape Irrigation (3 cr)
- HOR225 - Nursery Production (3 cr)
- HOR245 - Horticulture Specialty Crops (3 cr)
- HOR257 - Arboriculture Practices (2 cr)
- HOR271 - Garden Center Management (2 cr)
- TRF110 - Introduction Turfgrass Cultivation & ID (4 cr)
- TRF260 - Advanced Turfgrass Management (4 cr)
- VEN135 - Introduction to Viticulture (4 cr)
- BUS139 - Entrepreneurship I (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Student Success

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
68

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade -
Area -
Actual Credits 1

Requirement Select

- HOR160 - Plant Materials I
- **AND** HOR162 - Applied Plant Science
- **AND** HOR168 - Plant Propagation
- **AND** HOR112 - Landscape Design I

Minimum Grade -
Area -
Actual Credits 12

Requirement Select

- HOR124 - Nursery Operations
  OR
- HOR134 - Greenhouse Operations

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 1	15

Requirement Select

- HOR161 - Plant Materials II
- **AND** HOR235 - Greenhouse Production
- **AND** HOR164 - Horticultural Pest Management

Minimum Grade -
Area -
Actual Credits 9

Requirement Select

- 6 Major Course Elective Hours (Milestone)

Minimum Grade -
Area -
Actual Credits 6

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select

- AGR121 - Biological Pest Management
- **AND** HOR166 - Soils & Fertilizers

Minimum Grade -
Area -
Actual Credits 6

Requirement Select

- COM231 - Public Speaking
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select

- 6 Credits from major course electives (Milestone)

Minimum Grade	-
Area	-
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select

- HOR152 - Horticultural Practices
- **AND** HOR265 - Advanced Plant Materials

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select

- WBL111 - Work-Based Learning I

Minimum Grade	-
Area	-
Actual Credits	1

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select

- 6 Credits from the list of major course electives (Milestone)

Minimum Grade	-
Area	-
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Summer	9

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select

- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	-
Actual Credits	3

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

A15250 - Brewing, Distillation and Fermentation - AAS

Overview

Program Title
Brewing, Distillation and Fermentation - AAS

Program Code
A15250

Degree Designation
Associate in Applied Science

Department
Brewing Programs

Description

Program Description
North Carolina Community College System requires that all students must be 21 years of age or older by the start of all BDF and VEN prefix courses.

Food Products and Processing Systems Pathway Description: This curriculum is designed to prepare individuals for various careers in the brewing, distillation, and fermentation industry. Classroom instruction, practical laboratory applications of brewing, distillation, and fermentation principles and practices are included in the program of study.

Course work in brewing, distillation and fermentation includes production, operations, safety and sanitation, and associated process technologies. Related course work is offered in fermentation production, safety and sanitation, applied craft beverage microbiology, agriculture, marketing, management, equipment, packaging, and maintenance.

Graduates should qualify for employment opportunities in the brewing, distillation, and fermentation industry. Students may be eligible to sit for the professional Institute of Brewing & Distilling (IBD) certification exams which correspond to the program of study.

Brewing, Distillation, and Fermentation Pathway Description: A program that prepares individuals to apply technical knowledge and skills to brew, distill, and ferment various products, including beverages. Includes instruction in the production of fermented products, cultivating, marketing, management, legal issues, inspection, maintenance, service and repair of equipment, facility operations, packaging, sanitation, and welding.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

ACA 122 and MAT 110 should be completed in the first semester with a grade of "C" or better.

Program Learning Outcomes (PLO's)

PLO Short Name Produce Fermented Foods	Produce fermented foods and beverages from formulated recipes that meet industry standards.
PLO Short Name Industry Safety	Apply standard industry safety, operation, and sanitation principles in the food and beverage production process.
PLO Short Name Proper Fermentation Production	Apply proper fermentation production and control techniques through the use of industrial equipment.
PLO Short Name Practice Inspection	Practice inspection, maintenance, service, and repair procedures on industry equipment.
PLO Short Name Demonstrate Skills	Demonstrate the soft skills required to work in the food production industry.
PLO Short Name Troubleshoot Fermented Products	Employ analysis techniques to evaluate and troubleshoot fermented products.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

1st Communications

Earn at least 3 credits from the following:

- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Earn at least 3 credits from the following:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Earn at least 3 credits from the following:

- Humanities (AAS)

Social/Behavioral Sciences

Earn at least 3 credits from the following:

- Social/Behavioral Science Electives (AAS)

Mathematics

Complete at least 1 of the following courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Fermentation Production

Complete ALL of the following Courses:

- BDF110 - Fermentation Production (4 cr)
- BDF111 - BDF Safety & Sanitation (2 cr)
- BDF115 - Applied Craft Bev Microbiology (4 cr)
- BDF125 - Bev Tech & Calculations (2 cr)
- BUS110 - Introduction to Business (3 cr)
- HOR245 - Horticulture Specialty Crops (3 cr)
- MNT110 - Introduction to Maintenance Procedures (2 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Brewing/Packaging

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- BDF236 - Brewing/Packaging Maintenance (4 cr)
- HYD110 - Hydraulics/Pneumatics I (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Beer Production

Complete ALL of the following Courses:

- BDF112 - Survey of Fermented Products (4 cr)
- BDF114 - Craft Beer Brewing (2 cr)
- BDF180 - Sensory Evaluation (3 cr)
- BDF225 - Filtration & Finishing (3 cr)
- BDF240 - Seasonal Beer Production (4 cr)
- MEC276 - Capstone Design Project (1 cr)

Circuit Analysis

Complete at least 1 of the following courses:

- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Operations

Earn at least 3 credits from the following:

- BDF117 - Distillation Methods (2 cr)
- BDF175 - Distillation Operations (4 cr)
- BDF230 - Advanced Brewing (3 cr)
- CHM151 - General Chemistry I (4 cr)
- VEN133 - Intro to Winemaking (3 cr)
- VEN283 - Wine Production and Analysis (5 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)
- WLD131 - GTAW (TIG) Plate (4 cr)
- WLD214 - Sanitary Welding (4 cr)

Take 2-5 credits from these courses

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
68 - 72

Year	Semester	Actual Credits
Year 1	Fall	15 - 16

Requirement Select
- BDF111 - BDF Safety & Sanitation
  OR
- BDF112 - Survey of Fermented Products
  OR
- BDF125 - Bev Tech & Calculations
  OR
- ELC 128 Introduction to PLC or ELC 131 Circuit Analysis I (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	11 - 12

Requirement Select
- ACA122 - College Transfer Success
  OR
- MAT110 - Math Measurement & Literacy

Minimum Grade	C
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring	16 - 19

Requirement Select
- BDF110 - Fermentation Production
  OR
- BDF115 - Applied Craft Bev Microbiology
  OR
- BDF180 - Sensory Evaluation
  OR
- 2-5 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	13 - 16

Requirement Select
- ENG111 - Writing and Inquiry
  OR
- ENG110 - Workplace Writing Essentials

Minimum Grade	C
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select
- 3 Credits must be selected from the list of Humanities Electives (Milestone)
  OR
- 3 Credits must be selected from the list of Social/ Behavioral Science Electives (Milestone)
  OR
- ENG 112 or ENG 114 or COM 120 or Com 231 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select
- BDF114 - Craft Beer Brewing
  OR
- BDF240 - Seasonal Beer Production
  OR
- HOR245 - Horticulture Specialty Crops
  OR
- HYD110 - Hydraulics/Pneumatics I
  OR
- MNT110 - Introduction to Maintenance Procedures

Minimum Grade	D
Area	Major
Actual Credits	14

Year	Semester	Actual Credits
Year 2	Spring	14

Requirement Select

- ATR112 - Introduction to Automation
  OR
- BDF225 - Filtration & Finishing
  OR
- BDF236 - Brewing/Packaging Maintenance
  OR
- BUS110 - Introduction to Business
  OR
- MEC276 - Capstone Design Project

Minimum Grade	D
Area	Major
Actual Credits	14

Total General Education Credits	Total Major Credits
16	52 - 56
Total Minor Credits	**Total Elective Credits**
0	0

A25120BA - Business Administration: General Business Administration Pathway

Overview

Program Title	Program Code
Business Administration: General Business Administration Pathway	A25120BA
Degree Designation	**Department**
Associate in Applied Science	Business Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	67

Description

Program Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy. Course work includes business concepts such as accounting, banking and finance, business law, economics, entrepreneurship, leadership, management, marketing, and public administration. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision-making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small businesses or industries.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-130 - MOS Excel Associate Certification

Program Learning Outcomes (PLO's)

PLO Short Name	Use fundamental business concepts, methods, and tools required in the development of business strategies.
Use fundamental business	

PLO Short Name Apply	Apply business principles to organizational environments.

PLO Short Name Produce	Produce clear, persuasive, and concise business analyses.

PLO Short Name Develop	Develop personal and professional skills required to be productive members of the business community.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- MKT120 - Principles of Marketing (3 cr)

All pathways take these 22 credits

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

General Business Administration Pathway

Complete ALL of the following Courses:
- BUS139 - Entrepreneurship I (3 cr)
- BUS153 - Human Resource Management (3 cr)
- BUS225 - Business Finance (3 cr)
- BUS240 - Business Ethics (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

General Business Admin Path take these 17 credits

Complete ALL of the following Courses:
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS270 - Professional Development (3 cr)
- CTS130 - Spreadsheet (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- MKT223 - Customer Experience (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
67 - 68

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select
- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	Major
Actual Credits	1

Requirement Select
- BUS110 - Introduction to Business

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select
- CIS110 - Introduction to Computers
- **AND** BUS137 - Principles of Management

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring 1	7

Requirement Select
- ACC120 - Principles of Financial Accounting
- **AND** CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Spring 2	7

Requirement Select
- ACC121 - Principles of Managerial Accounting
- **AND** MKT120 - Principles of Marketing

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Summer	6 - 7

Requirement Select
- ENG112 - Writing & Research in the Disciplines

Minimum Grade	-
Area	General Education
Actual Credits	3

Requirement Select
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I
  OR
- MAT171 - Precalculus Algebra

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Fall 1	9

Requirement Select
- BUS115 - Business Law I
- **AND** BUS139 - Entrepreneurship I
- **AND** LDR110 - Introduction to Leadership

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select

- BUS153 - Human Resource Management
- **AND** MKT223 - Customer Experience

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 1	7

Requirement Select

- BUS240 - Business Ethics
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- ECO251 - Principles of Microeconomics

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	9

Requirement Select

- BUS225 - Business Finance
- **AND** BUS270 - Professional Development
- **AND** ECO252 - Principles of Macroeconomics

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Summer	3

Requirement Select

- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
15 - 16	52
Total Minor Credits	**Total Elective Credits**
0	0

A25120BF - Business Administration – Banking and Finance Pathway - AAS

Overview

Program Title	Program Code
Business Administration – Banking and Finance Pathway - AAS	A25120BF
Degree Designation	**Department**
Associate in Applied Science	Business Programs

Fully online option available?
Yes

Description

Program Description
The Banking and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the banking and finance profession. Banking and finance professionals assemble and analyze, process, and communicate essential information about banking and financial operations.

Course work may include banking, accounting, finance, ethics, business law, computer applications, marketing, and general studies. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level banking and finance positions in many types of organizations including banks and financial businesses.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-130 - MOS Excel Associate Certification

Program Learning Outcomes (PLO's)

PLO Short Name	Use fundamental business concepts, methods, and tools required in development of business strategies
Use business concepts	

PLO Short Name	Apply business principles to organizational environments
Apply business principles	

PLO Short Name	
Business analysis	Produce clear, persuasive, and concise business analyses

PLO Short Name	
Professional skills	Develop personal and professional skills required to be productive members of the business community

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sciences

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- MKT120 - Principles of Marketing (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Banking

Complete ALL of the following Courses:
- BAF110 - Principles of Banking (3 cr)
- BAF131 - Fundamentals of Bank Lending (3 cr)
- BAF141 - Law & Banking: Principles (3 cr)
- BAF222 - Money and Banking (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ALL of the following Courses:
- BUS225 - Business Finance (3 cr)
- BUS240 - Business Ethics (3 cr)
- BUS270 - Professional Development (3 cr)
- CTS130 - Spreadsheet (3 cr)
- MKT223 - Customer Experience (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name

Recommended Course Sequence

Total Degree Map Credits

66 - 67

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACA115 or ACA122 (Milestone)

OR

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select

- BUS110 - Introduction to Business

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- CIS110 - Introduction to Computers

OR

- BAF110 - Principles of Banking

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring 1	7

Requirement Select

- CTS130 - Spreadsheet

OR

- ACC120 - Principles of Financial Accounting

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- BUS225 - Business Finance

OR

- BUS270 - Professional Development

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	6 - 7

Requirement Select

- ENG112 - Writing & Research in the Disciplines

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- MAT143 or MAT152 or MAT171 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Fall 1	6

Requirement Select

- BUS137 - Principles of Management

OR

- MKT120 - Principles of Marketing

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Fall 2	9

Requirement Select

- BUS115 - Business Law I

OR

- BAF141 - Law & Banking: Principles

OR

- MKT223 - Customer Experience

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Spring 1	10

Requirement Select

- BAF222 - Money and Banking

OR

- BUS240 - Business Ethics

OR

- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select

- ECO251 - Principles of Microeconomics

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select

- BAF131 - Fundamentals of Bank Lending
  OR
- ECO252 - Principles of Macroeconomics

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 2	3

Requirement Select

- 3 Credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	50
Total Minor Credits	**Total Elective Credits**
0	0

A25120MH - Business Administration Pathway to Mars Hill

Overview

Program Title
Business Administration Pathway to Mars Hill

Program Code
A25120MH

Degree Designation
Associate in Applied Science

Department
Business Programs

Articulation Agreement
Transfer Pathway to Mars Hill University

Fully online option available?
Yes

Minimum Required Credit Hours
66

Description

Program Description
The articulation agreement between Blue Ridge Community College (BRCC) and the Department of Business Administration at Mars Hill University (MHU) provides for transfer from the Business Administration (AAS) program at Blue Ridge Community College to the Bachelor of Science in Business Administration (BS) or the Bachelor of Science in Business Management (BS) degree programs at Mars Hill University. Upon transfer to Mars Hill University, students from Blue Ridge Community College must comply with all applicable academic regulations as listed in the MHU Undergraduate Catalog.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-130 - MOS Excel Associate Certification

Program Learning Outcomes (PLO's)

PLO Short Name Use fundamental business	Use fundamental business concepts, methods, and tools required in the development of business strategies.

PLO Short Name Apply	Apply business principles to organizational environments.

PLO Short Name Produce	Produce clear, persuasive, and concise business analyses.

PLO Short Name	
Develop	Develop personal and professional skills required to be productive members of the business community.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ALL of the following Courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- MKT120 - Principles of Marketing (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Pathway Courses

Complete ALL of the following Courses:
- BUS139 - Entrepreneurship I (3 cr)
- BUS153 - Human Resource Management (3 cr)
- BUS225 - Business Finance (3 cr)
- BUS240 - Business Ethics (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses - Required

Complete ALL of the following Courses:
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS270 - Professional Development (3 cr)
- CTS130 - Spreadsheet (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- MKT223 - Customer Experience (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits

69 - 70

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 4

Requirement Select
- BUS110 - Introduction to Business
- **AND** ENG111 - Writing and Inquiry

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select
- BUS153 - Human Resource Management
- **AND** CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	7

Requirement Select
- ACC120 - Principles of Financial Accounting
- **AND** CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Spring 2	7

Requirement Select
- ACC121 - Principles of Managerial Accounting
- **AND** BUS270 - Professional Development

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Summer	6 - 7

Requirement Select
- ENG112 - Writing & Research in the Disciplines

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 2	Fall 1	9

Requirement Select
- BUS139 - Entrepreneurship I
- **AND** ECO252 - Principles of Macroeconomics
- **AND** LDR110 - Introduction to Leadership

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 2	Fall 2	9

Requirement Select
- BUS115 - Business Law I
- **AND** BUS137 - Principles of Management
- **AND** MKT223 - Customer Experience

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 2	Spring 1	6

Requirement Select
- BUS240 - Business Ethics

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- ECO251 - Principles of Microeconomics

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Spring 2	9

Requirement Select

- BUS225 - Business Finance
- **AND** MKT120 - Principles of Marketing

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	53
Total Minor Credits	**Total Elective Credits**
0	0

A25120MR - Business Administration: Marketing Pathway

Overview

Program Title
Business Administration: Marketing Pathway

Program Code
A25120MR

Degree Designation
Associate in Applied Science

Department
Business Programs

Fully online option available?
Yes

Description

Program Description
The Marketing curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the marketing profession. Marketing professionals identify the strategies and techniques used to attract customers to a business.

Course work may include marketing, accounting, computer applications, business, and general studies. Related skills are developed through the study of communications, computer applications, marketing analytics, critical thinking skills, and ethics.

Graduates should qualify for entry-level marketing in many types of organizations including marketing firms and businesses of all sizes.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-130 - MOS Excel Associate Certification

Program Learning Outcomes (PLO's)

PLO Short Name Use fundamental business	Use fundamental business concepts, methods, and tools required in the development of business strategies.

PLO Short Name Apply	Apply business principles to organizational environments.

PLO Short Name	
Produce	Produce clear, persuasive, and concise business analyses.

PLO Short Name	
Develop	Develop personal and professional skills required to be productive members of the business community.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- MKT120 - Principles of Marketing (3 cr)

All pathways take these 22 credits

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Marketing Pathway

Complete ALL of the following Courses:
- MKT220 - Advertising and Sales Promotions (3 cr)
- MKT223 - Customer Experience (3 cr)
- MKT225 - Marketing Research (3 cr)
- MKT227 - Marketing Applications (3 cr)
- MKT232 - Social Media Marketing (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Marketing Path take these 16 credits

Complete ALL of the following Courses:
- BUS153 - Human Resource Management (3 cr)
- BUS225 - Business Finance (3 cr)
- BUS270 - Professional Development (3 cr)
- CTS130 - Spreadsheet (3 cr)
- WEB213 - Internet Mkt & Analytics (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
70 - 71

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select
- ACA115 or ACA 122 (Milestone)
  OR
- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 4

Requirement Select
- MKT120 - Principles of Marketing

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select
- BUS110 - Introduction to Business
  OR
- CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	7

Requirement Select
- ACC120 - Principles of Financial Accounting
  OR
- CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select
- BUS225 - Business Finance
  OR
- BUS270 - Professional Development

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Summer	6 - 7

Requirement Select
- ENG112 or ENG 114 (Milestone)

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select
- MAT143, MAT152, or MAT171 (Milestone)

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 2	Fall 1	6

Requirement Select
- BUS115 - Business Law I
  OR
- BUS137 - Principles of Management

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 2	Fall 2	9

Requirement Select
- BUS153 - Human Resource Management
  OR
- MKT220 - Advertising and Sales Promotions
  OR
- MKT223 - Customer Experience

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 2	Spring 1	7

Requirement Select

- MKT225 - Marketing Research
  OR
- WBL111 - Work-Based Learning I
  OR
- WEB213 - Internet Mkt & Analytics

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 2	Spring 2	10

Requirement Select

- MKT227 - Marketing Applications
  OR
- MKT232 - Social Media Marketing
  OR
- ECO252 - Principles of Macroeconomics

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 2	Summer	6

Requirement Select

- ECO251 - Principles of Microeconomics

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- 3 Credits must be selected from the list of Humanities electives. (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	54
Total Minor Credits	**Total Elective Credits**
0	0

A25120PA - Business Administration - Public Administration Pathway

Overview

Program Title	Program Code
Business Administration - Public Administration Pathway	A25120PA
Degree Designation	**Department**
Associate in Applied Science	Business Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	66

Description

Program Description

The Public Administration curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the public administration profession. Public Administration professionals draft, analyze and implement policies through a wide range of government agencies and directly impact who has access to resources, general living standards, and opportunities for diverse communities.

Course work may include accounting, computer applications, business, and public administration. Related skills are developed through the study of communications, computer applications, analytics, critical thinking skills, and ethics.

Graduates should qualify for entry-level government and non-profit positions in many types of organizations including non-profits and local, state, and federal government.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-130 - MOS Excel Associate Certification

Program Learning Outcomes (PLO's)

PLO Short Name	
Use fundamental business	Use fundamental business concepts, methods, and tools required in the development of business strategies.

PLO Short Name Apply	Apply business principles to organizational environments.

PLO Short Name Produce	Produce clear, persuasive, and concise business analyses.

PLO Short Name Develop	Develop personal and professional skills required to be productive members of the business community.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- MKT120 - Principles of Marketing (3 cr)

All pathways take these 22 credits

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Public Administration Pathway

Complete ALL of the following Courses:
- BUS240 - Business Ethics (3 cr)
- PAD151 - Introduction to Public Administration (3 cr)
- PAD251 - Public Finance and Budgeting (3 cr)
- PAD252 - Public Policy Analysis (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Majore Hours - Required

Complete ALL of the following Courses:
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS270 - Professional Development (3 cr)
- CTS130 - Spreadsheet (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Major Hours - Electives

Complete at least 1 of the following courses:
- BUS125 - Personal Finance (3 cr)
- BUS225 - Business Finance (3 cr)
- BUS230 - Small Business Management (3 cr)
- DME115 - Digital Media Tools (3 cr)
- GRD141 - Graphic Design I (4 cr)
- GRD151 - Computer Design Basics (3 cr)
- LDR115 - Evidence-Based Leadership & Decision

Making (3 cr)
- LDR225 - Leading Change (3 cr)
- WEB213 - Internet Mkt & Analytics (3 cr)
- WEB225 - Content Management Systems (3 cr)

Take 1 course from these courses

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Major Hours - Electives

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
70 - 72

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select
- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 4

Requirement Select
- BUS110 - Introduction to Business

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select
- BUS115 - Business Law I
- **AND** CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	7

Requirement Select
- ACC120 - Principles of Financial Accounting
- **AND** CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Spring 2	7

Requirement Select
- ACC121 - Principles of Managerial Accounting
- **AND** BUS270 - Professional Development

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Summer	6 - 7

Requirement Select
- BUS137 - Principles of Management

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I
  OR
- MAT171 - Precalculus Algebra

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 2	Fall 1	9

Requirement Select

- LDR110 - Introduction to Leadership
- **AND** MKT120 - Principles of Marketing
- **AND** PAD151 - Introduction to Public Administration

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Fall 2	6 - 7

Requirement Select

- ENG112 - Writing & Research in the Disciplines

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- 3-4 Credits must be selected from the list of Program electives. (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Spring 1	10

Requirement Select

- BUS240 - Business Ethics
- **AND** PAD251 - Public Finance and Budgeting
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select

- ECO251 - Principles of Microeconomics

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select

- ECO252 - Principles of Macroeconomics
- **AND** PAD252 - Public Policy Analysis

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Summer	3

Requirement Select

- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	51 - 52
Total Minor Credits	**Total Elective Credits**
0	0

A25120UA - Business Administration: Pathway to UNCA

Overview

Program Title
Business Administration: Pathway to UNCA

Program Code
A25120UA

Degree Designation
Associate in Applied Science

Department
Business Programs

Articulation Agreement
Transfer Articulation to the University of North Carolina Asheville

Fully online option available?
Yes

Minimum Required Credit Hours
67

Description

Program Description
This program is an articulated program with the University of North Carolina Asheville. Students who plan to attend the Management Degree program at the University of North Carolina Asheville should be enrolled in the Business Administration General Pathway Associate in Applied Science Degree program at Blue Ridge Community College. Students must complete each course within the Business Administration Degree with a grade of "C" or better for the course to transfer.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-130 - MOS Excel Associate Certification

Program Learning Outcomes (PLO's)

PLO Short Name Use fundamental business	Use fundamental business concepts, methods, and tools required in the development of business strategies.

PLO Short Name Apply	Apply business principles to organizational environments.

PLO Short Name Produce	Produce clear, persuasive, and concise business analyses.

PLO Short Name Develop	Develop personal and professional skills required to be productive members of the business community.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- MUS110 - Music Appreciation (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

All pathways take these 22 credits

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)

- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- MKT120 - Principles of Marketing (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

General Business Administration Pathway

Complete ALL of the following Courses:

- BUS139 - Entrepreneurship I (3 cr)
- BUS153 - Human Resource Management (3 cr)
- BUS225 - Business Finance (3 cr)
- BUS240 - Business Ethics (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

General Business Admin Path take these 17 credits

Complete ALL of the following Courses:

- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS270 - Professional Development (3 cr)
- CTS130 - Spreadsheet (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- MKT223 - Customer Experience (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name

Recommended Course Sequence
Total Degree Map Credits
71

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 4

Requirement Select

- BUS110 - Introduction to Business

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- CIS110 - Introduction to Computers
- **AND** BUS153 - Human Resource Management

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	10

Requirement Select

- ACC120 - Principles of Financial Accounting
- **AND** CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 7

Requirement Select

- 3 Humanities Credits must be selected from ART 111, DRA 111, or MUS 110 (Milestone)

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 2	7

Requirement Select

- ACC121 - Principles of Managerial Accounting
- **AND** BUS270 - Professional Development

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Summer	11

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	7

Requirement Select

- MAT152 - Statistical Methods I

Minimum Grade	-
Area	-
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Fall 1	9

Requirement Select

- BUS139 - Entrepreneurship I
- **AND** ECO252 - Principles of Macroeconomics
- **AND** LDR110 - Introduction to Leadership

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select

- MKT223 - Customer Experience
- **AND** BUS115 - Business Law I

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 1	6

Requirement Select

- BUS240 - Business Ethics

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- ECO251 - Principles of Microeconomics

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select

- BUS225 - Business Finance
- **AND** BUS137 - Principles of Management

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Summer	3

Requirement Select

- MKT120 - Principles of Marketing

Minimum Grade	D
Area	Major
Actual Credits	3

Total General Education Credits	Total Major Credits
17	50
Total Minor Credits	**Total Elective Credits**
0	0

A25310 - Medical Office Administration

Overview

Program Title
Medical Office Administration

Program Code
A25310

Degree Designation
Associate in Applied Science

Department
Medical Office Administration Programs

Fully online option available?
Yes

Description

Program Description
The Medical Office Administration curriculum prepares individuals for employment as medical administrative personnel in the areas of medical office, medical billing and coding, dental office, patient services, and medical documents.

Course work includes medical terminology, computer applications, medical office management, medical coding, medical insurance and billing, medical legal and ethical issues, oral and written communication, and other topics depending on the subject area selected within this curriculum.

Graduates should qualify for employment opportunities in a variety of medical office positions in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other healthcare related organizations. This program provides students the opportunity to earn Microsoft Office Specialist (MOS) Certifications as part of their coursework.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
OST-136- MOS Word Specialist Certification
OST-136 and OST-236 - MOS Word Expert Certification

Program Learning Outcomes (PLO's)

PLO Short Name Simulate	Simulate office tasks and procedures.
PLO Short Name Develop	Develop personal and professional skills to be productive medical office administrators.
PLO Short Name Create, format, and edit	Create, format, and edit business documents using appropriate software

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Natural Sciences/Mathematics

Complete at least 1 of the following courses:
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- OST136 - Word Processing (3 cr)
- OST141 - Medical Office Terms I (3 cr)
- OST142 - Medical Office Terms II (3 cr)
- OST148 - Medical Coding Billing & Insurance (3 cr)
- OST149 - Medical Legal Issues (3 cr)
- OST164 - Office Editing (3 cr)
- OST289 - Office Administration Capstone (3 cr)

Concentration/Pathway Hours

Required Subject
Type
Completion Requirement

Concentration

Complete ALL of the following Courses:

- OST134 - Text Entry & Formatting (3 cr)
- OST236 - Advanced Word Processing (3 cr)
- OST243 - Medical Office Simulation (3 cr)
- OST286 - Professional Development (3 cr)

Other Major Hours - Required

Other Major Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- BUS137 - Principles of Management (3 cr)
- CTS125 - Presentation Graphics (3 cr)
- CTS130 - Spreadsheet (3 cr)
- MKT223 - Customer Experience (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
65 - 66

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select

- ACA115 or ACA122 (Milestone)

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- CIS110 - Introduction to Computers
  OR
- OST136 - Word Processing
  OR
- OST141 - Medical Office Terms I

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 1	Fall 2	9

Requirement Select

- OST134 - Text Entry & Formatting
  OR
- OST142 - Medical Office Terms II
  OR
- OST148 - Medical Coding Billing & Insurance

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 1	Spring 1	9

Requirement Select

- OST149 - Medical Legal Issues
  OR
- OST164 - Office Editing

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- OST243 - Medical Office Simulation
  OR
- OST286 - Professional Development

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- CTS125 - Presentation Graphics

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 1	6

Requirement Select

- BUS137 - Principles of Management

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- 3 credits must be selected from the Social/ Behavioral Science Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select

- MKT223 - Customer Experience
  OR
- OST236 - Advanced Word Processing

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 1	7 - 8

Requirement Select

- CTS130 - Spreadsheet
  OR
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- BIO 110, BIO 111, MAT 110, or MAT 143 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select

- OST289 - Office Administration Capstone

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- Choose one of the following: COM120, COM231, ENG112 or ENG114 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	49
Total Minor Credits	**Total Elective Credits**
0	0

A25370 - Office Administration - General Office Administration

Overview

Program Title	Program Code
Office Administration - General Office Administration	A25370
Degree Designation	**Department**
Associate in Applied Science	Office Administration Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	65

Description

Program Description

The Office Administration curriculum equips office professionals to organize and operate an efficient office environment in a variety of business settings. Students will complete courses designed to help them prepare for a career to meet the demand of the job market and develop proficiency in the use of computer applications, oral and written communication, analysis and coordination of office duties and procedures, records management and other support topics.

Students will learn to create, format, and edit business documents using appropriate software. Students will develop personal and professional skills to be productive office administrators. Students will participate in office task and procedure simulations.

Graduates should qualify for employment opportunities in a variety of office positions in business and industry, government, healthcare, and schools. This program provides students the opportunity to earn Microsoft Office Specialist (MOS) Certifications as part of their coursework.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
OST-136- MOS Word Specialist Certification
OST-136 and OST-236 - MOS Word Expert Certification

Program Learning Outcomes (PLO's)

PLO Short Name Create, format, edit	Create, format, and edit business documents using appropriate software.

PLO Short Name Simulate	Simulate office tasks and procedures.

PLO Short Name Develop	Develop personal and professional skills to be productive office administrators.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

1st Communications

Complete at least 1 of the following courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Mathematics

Complete at least 1 of the following courses:
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- OST136 - Word Processing (3 cr)
- OST164 - Office Editing (3 cr)
- OST289 - Office Administration Capstone (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - General Office Administration Pathway

Complete ALL of the following Courses:
- OST134 - Text Entry & Formatting (3 cr)
- OST153 - Office Finance Solutions (3 cr)
- OST236 - Advanced Word Processing (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - General Office Adm Pathway

Complete ALL of the following Courses:
- CTS125 - Presentation Graphics (3 cr)
- CTS130 - Spreadsheet (3 cr)
- DBA110 - Database Concepts (3 cr)
- MKT223 - Customer Experience (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Professional Development Requirement

Complete at least 1 of the following courses:
- BUS270 - Professional Development (3 cr)
  OR OST286 - Professional Development (3 cr)

Other Major Hours - Electives List

Other Major Hours - Elective List
Type
Completion Requirement

Other Major Courses - Electives List

Earn at least 9 credits from the following:

- ACC120 - Principles of Financial Accounting (4 cr)
- ACC140 - Payroll Accounting (2 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS153 - Human Resource Management (3 cr)
- BUS230 - Small Business Management (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- LEX270 - Law Office Management/ Technology (2 cr)
- MED121 - Medical Terminology I (3 cr)
- MED122 - Medical Terminology II (3 cr)
- MKT120 - Principles of Marketing (3 cr)
- MKT223 - Customer Experience (3 cr)
- MKT232 - Social Media Marketing (4 cr)
- OST122 - Office Computations (3 cr)
- OST141 - Medical Office Terms I (3 cr)
- OST142 - Medical Office Terms II (3 cr)
- OST148 - Medical Coding Billing & Insurance (3 cr)
- OST149 - Medical Legal Issues (3 cr)
- OST155 - Legal Terminology (3 cr)
- OST243 - Medical Office Simulation (3 cr)
- WBL113 - Work-Based Learning I (3 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL122 - Work-Based Learning II (2 cr)
- WBL123 - Work-Based Learning II (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
65 - 66

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACA115 or ACA122 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- CIS110 - Introduction to Computers
  OR
- OST136 - Word Processing

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Fall 2	9

Requirement Select

- OST134 - Text Entry & Formatting
  OR
- OST236 - Advanced Word Processing

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- Eng110 or ENG111 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits

Year	Semester	Actual Credits
Year 1	Spring 2	9

Requirement Select
- DBA110 - Database Concepts
  OR
- OST286 - Professional Development

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select
- CTS125 - Presentation Graphics

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- COM120, COM231, ENG112, OR ENG114 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 1	6

Requirement Select
- 3 Credits must be selected from the list of Social/ Behavioral Science Elective (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 2	9

Requirement Select
- BUS137 - Principles of Management
  OR
- MKT223 - Customer Experience

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 1	7 - 8

Requirement Select
- MAT110, MAT143, OR MAT152 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Requirement Select
- OST164 - Office Editing
  OR
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select
- OST153 - Office Finance Solutions
  OR
- OST289 - Office Administration Capstone

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
16 - 17	40
Total Minor Credits	**Total Elective Credits**
0	9

A25490 - Entrepreneurship

Overview

Program Title
Entrepreneurship

Program Code
A25490

Degree Designation
Associate in Applied Science

Department
Entrepreneurship Programs

Fully online option available?
Yes

Description

Program Description
The Entrepreneurship curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth as self-employed business owners.

Course work includes developing a student's ability to make informed decisions as future business owners.
Courses include entrepreneurial concepts learned in innovation and creativity, business funding, and
marketing. Additional course work includes computers and economics.

Through these skills, students will have a sound education base in entrepreneurship for lifelong learning.
Graduates are prepared to be self-employed and open their own businesses.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts Elective

Earn at least 3 credits from the following:
- Humanities (AAS)

Social/Behavioral Science Elective

Earn at least 3 credits from the following:
- Social/Behavioral Science Electives (AAS)

Mathematics Elective

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- ETR220 - Innovation and Creativity (3 cr)
- ETR230 - Entrepreneur Marketing (3 cr)
- ETR240 - Funding for Entrepreneurs (3 cr)

Concentration/Pathway Hours

Required Subject Hours
Type
Completion Requirement

Required Subject Hours Courses

Complete ALL of the following Courses:
- BUS139 - Entrepreneurship I (3 cr)
- BUS245 - Entrepreneurship II (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- ECO251 - Principles of Microeconomics (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:
- BUS115 - Business Law I (3 cr)
- BUS153 - Human Resource Management (3 cr)
- BUS125 - Personal Finance (3 cr)

- BUS270 - Professional Development (3 cr)
- MKT223 - Customer Experience (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- LDR225 - Leading Change (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66 - 67

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- BUS110 - Introduction to Business
  OR
- BUS139 - Entrepreneurship I
  OR
- ETR220 - Innovation and Creativity

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- CIS110 - Introduction to Computers
  OR
- BUS245 - Entrepreneurship II

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring 1	7

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- ACC120 - Principles of Financial Accounting

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- ECO251 - Principles of Microeconomics
  OR
- BUS270 - Professional Development

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	6 - 7

Requirement Select

- Choose one of the following: ENG112 or ENG114 (Milestone)
  OR
- Choose one of the following: MAT143, MAT152 or MAT171 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	6 - 7

Year	Semester	Actual Credits
Year 2	Fall 1	6

Requirement Select

- LDR110 - Introduction to Leadership
  OR
- BUS115 - Business Law I

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Fall 2	9

Requirement Select

- ETR230 - Entrepreneur Marketing
  OR
- BUS153 - Human Resource Management
  OR
- MKT223 - Customer Experience

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Spring 1	9

Requirement Select

- BUS125 - Personal Finance

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)
  OR
- 3 credits must be selected from the Social/ Behavioral Science Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 2	7

Requirement Select

- ETR240 - Funding for Entrepreneurs
  OR
- LDR225 - Leading Change
  OR
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	7

Total General Education Credits	Total Major Credits
16 - 17	50
Total Minor Credits	**Total Elective Credits**
0	0

A25590AI - Information Technology – Artificial Intelligence Pathway

Overview

Program Title
Information Technology – Artificial Intelligence Pathway

Program Code
A25590AI

Degree Designation
Associate in Applied Science

Department
Information Technology Programs

Fully online option available?
Yes

Minimum Required Credit Hours
66

Description

Program Description
The Artificial Intelligence (AI) curriculum is designed to provide students with the knowledge and skills necessary for employment and growth in the AI profession. Course work includes various subject areas related to AI fundamentals, machine learning, deep learning theory, and hands-on training in multiple AI domains for the purpose of creating and implementing artificial intelligence across a broad range of applications. Graduates may qualify for entry-level AI positions such as AI engineer, AI project manager, AI researcher, AI consultant, AI architect, conversational AI specialist, AI automation engineer, AI software engineer, and machine learning specialist.

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector and with organizations that use information technology systems to process information and automate business processes.

Coursework is designed to develop a student's ability to create, store, communicate, exchange, and use the information to solve technical issues related to information security, interactive media, network systems, software development, and information technology support and services.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies that rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Course Rotation:
CSC 113 -Artificial Intelligence Fundamentals will be offered during even-numbered spring semesters (e.g., Spring 2026).
CSC 114 - Artificial Intelligence I will be offered during even-numbered fall semesters (e.g., Fall 2026).
CSC 115 - Machine Learning I will be offered during odd-numbered spring semesters (e.g., Spring 2027).

Within this program specific courses will prepare students for the following industry credentials:
CTI 120 - Comp TIA Network+
CTS 120 and CTS 220 - Comp TIA A+
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
DBA-110 - MOS Access Expert Certification
NET Courses - Cisco Certified Network Associate
SEC-110/150 - Security+

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name
Resolve technical problems

Associated ILO(s)
Analytical Thinking

Associated Course(s) in I-R-M Order
NET-226

Associated Course SLO(s)
Packet Tracer 12.6.1 and 12.6.2

Resolve technical problems using information technologies and information systems.

PLO Short Name
Create technology system solutions

Associated ILO(s)
Professional Skills

Associated Course(s) in I-R-M Order
NET-225

Associated Course SLO(s)
Final Project

Create technology system solutions based on industry standards and customer requirements.

PLO Short Name
Communicate with clarity

Associated ILO(s)
Communication

Associated Course(s) in I-R-M Order
CSC-251

Associated Course SLO(s)
Group Project

Communicate with clarity and precision using appropriate information technology terminology and concepts

PLO Short Name
Develop personal and professional skills

Associated ILO(s)
Professional Skills

Associated Course(s) in I-R-M Order	Associated Course SLO(s)
BUS-270	Job Interview
Develop personal and professional skills to anticipate and meet workforce expectations	

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete at least 2 of the following courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities

Complete at least 1 courses in the following course sets:

- Humanities (AAS)

Social/Behavioral Science

Complete at least 1 courses in the following course sets:

- Social/Behavioral Science Electives (AAS)

Mathematics

Enroll in the following Courses:

- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- CTI110 - Information Technology Foundations (3 cr)
- CTI120 - Network & Security Foundation (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration/Pathway Hours

Concentration Pathway Hours
Type
Completion Requirement

Concentration Pathway Hours

Complete ALL of the following Courses:

- CSC151 - JAVA Programming (3 cr)
- CSC251 - Advanced JAVA Programming (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Required

Complete ALL of the following Courses:

- BUS270 - Professional Development (3 cr)
  OR OST286 - Professional Development (3 cr)
- CIS115 - Introduction to Programming & Logic (3 cr)
- CSC121 - Python Programming (3 cr)
- CSC221 - Advanced Python Programming (3 cr)
- CSC113 - Artificial Intelligence Fundamentals (3 cr)
- CSC114 - Artificial Intelligence I (3 cr)
- CSC115 - Machine Learning I (3 cr)
- CTS130 - Spreadsheet (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Major Hours - Electives List

Other Major Hours - Electives
Type
Completion Requirement

Electives

Complete at least 2 of the following courses:

- BUS110 - Introduction to Business (3 cr)
- BUS139 - Entrepreneurship I (3 cr)
- CSC111 - Introduction to Ethical Hacking (3 cr)
- CSC128 - Chatbot Programming I (3 cr)
- CSC153 - C# Programming (3 cr)
- CSC228 - Chatbot Programming II (3 cr)
- CTI141 - Cloud & Storage Concepts (3 cr)
- CTS120 - Hardware/Software Support (3 cr)

- CTS130 - Spreadsheet (3 cr)
- CTS155 - Tech Support Functions (3 cr)
- CTS220 - Advanced Hardware/Software Support (3 cr)
- DBA110 - Database Concepts (3 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- NET125 - Introduction to Networks (3 cr)
- NET126 - Routing Basics (3 cr)
- NET225 - Routing & Switching I (3 cr)
- NET226 - Routing and Switching II (3 cr)
- NOS120 - Linux Single User (3 cr)
- NOS130 - Windows Single User (3 cr)
- NOS230 - Windows Administration I (3 cr)
- SEC110 - Security Concepts (3 cr)

Additional Comments:
CTS-225 Spreadsheet Data Analysis & BUS-228 Business Statistics have not been offered for at least 3 years. They have been removed from Electives.

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Enroll in the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select
- ENG111 - Writing and Inquiry
- **AND** ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select
- CSC121 - Python Programming
- **AND** CSC151 - JAVA Programming
- **AND** CIS115 - Introduction to Programming & Logic
- **AND** CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Spring	13

Requirement Select
- MAT171 - Precalculus Algebra

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select
- CSC113 - Artificial Intelligence Fundamentals
- **AND** CSC221 - Advanced Python Programming
- **AND** CSC251 - Advanced JAVA Programming

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select
- ENG112 - Writing & Research in the Disciplines
OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- CIS110 - Introduction to Computers

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- Humanities (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	12

Requirement Select
- CSC114 - Artificial Intelligence I
- **AND** CTI110 - Information Technology Foundations
- **AND** CTI120 - Network & Security Foundation

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select
- 3 Credits must be selected from the Other Major Hours Electives List (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select
- CSC115 - Machine Learning I
- **AND** CTS115 - Information Systems Business Concepts
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select
- 3 Credits must be selected from the Other Major Hours - Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Requirement Select
- BUS270 - Professional Development
  OR
- OST286 - Professional Development

Minimum Grade	D
Area	Major
Actual Credits	3

Total General Education Credits	Total Major Credits
17	43
Total Minor Credits	**Total Elective Credits**
0	6

A25590GA - Information Technology - Game & Simulation Program Pathway

Overview

Program Title
Information Technology - Game & Simulation Program Pathway

Program Code
A25590GA

Degree Designation
Associate in Applied Science

Department
Information Technology Programs

Fully online option available?
Yes

Description

Program Description
The Information Technology (IT) curriculum prepares graduates for employment in the technology sector and with organizations that use information technology systems to process information and automate business processes.

Course work is designed to develop a student's ability to create, store, communicate, exchange, and use information to solve technical issues related to information security, interactive media, network systems, software development, and information technology support and services.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies that rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Within this program specific courses will prepare students for the following industry credentials:
CTI 120 - Comp TIA Network+
CTS 120 and CTS 220 - Comp TIA A+
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
DBA-110 - MOS Access Expert Certification
NET Courses - Cisco Certified Network Associate
SEC-110/150 - Security+

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Analytical Thinking	Resolve technical problems using information technologies and information systems
PLO Short Name Professional Skills	Create technology system solutions based on industry standards and customer requirements
PLO Short Name Communication	Communicate with clarity and precision using appropriate information technology terminology and concepts

Program Requirements

Simple Requisites

General Education

1st Communications
Type
Completion Requirement

1st Communications

Enroll in the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ANY of the following Courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Take one course

Humanities/Fine Arts

Complete ANY of the following Course Sets:
- Humanities (AAS)

Take 1 course from the list

Social/Behavioral Sciences

Complete ANY of the following Course Sets:
- Social/Behavioral Science Electives (AAS)

Take 1 course from the list

Mathematics

Complete ANY of the following Courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Take 1 course from the list

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- CTI110 - Information Technology Foundations (3 cr)
- CTI120 - Network & Security Foundation (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration/Pathway Hours

Pathway Requirements
Type
Completion Requirement

Game & Simulation Pathway

Complete ALL of the following Courses:

- SGD112 - SGD Design (3 cr)
- CSC151 - JAVA Programming (3 cr)

Take 6 credits

Additional Comments:
Select one pathway

Other Major Hours - Required

Other Major Hours - Required:
Type
Completion Requirement

Game & Simulation Pathway

Complete ALL of the following Courses:

- BUS270 - Professional Development (3 cr)
- CSC121 - Python Programming (3 cr)
- CSC153 - C# Programming (3 cr)
- CSC249 - Data Structure & Algorithms (3 cr)

- CTS130 - Spreadsheet (3 cr)
- DME115 - Digital Media Tools (3 cr)
- GRD141 - Graphic Design I (4 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WEB151 - Mobile Application Development I (3 cr)

Additional Comments:
select one pathway

Other Major Hours - Electives List

Electives
Type
Completion Requirement

Electives

Earn at least 6 credits from the following:

- BUS139 - Entrepreneurship I (3 cr)
- CSC111 - Introduction to Ethical Hacking (3 cr)
- CSC121 - Python Programming (3 cr)
- CSC134 - C++ Programming (3 cr)
- CSC234 - Advanced C++ Programming (3 cr)
- CSC251 - Advanced JAVA Programming (3 cr)
- CTI141 - Cloud & Storage Concepts (3 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- NOS120 - Linux Single User (3 cr)
- NOS125 - Linux/Unix Scripting (3 cr)
- NOS130 - Windows Single User (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Take one of the courses offered

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66 - 67

Year	Semester	Actual Credits
Year 1	Fall	13

Requirement Select
- ACA 115 or ACA122 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select
- CSC151 - JAVA Programming
  OR
- CTI110 - Information Technology Foundations
  OR
- CTI120 - Network & Security Foundation

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	13 - 14

Requirement Select
- Choose one: MAT143, MAT152 or MAT171 (Milestone) (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Requirement Select
- SGD112 - SGD Design
  OR
- GRD141 - Graphic Design I

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select
- 3 credits must be selected from the major course electives list (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select
- CIS110 - Introduction to Computers
  OR
- CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- Choose one: ENG112 or ENG114 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select
- CSC153 - C# Programming
  OR
- DME115 - Digital Media Tools
  OR
- CSC121 - Python Programming

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select
- 3 credits must be selected from the major course electives list (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- 3 credits must be selected from the Social/ Behavioral Science Elective List (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	16

Requirement Select

- BUS270 - Professional Development
  OR
- CSC249 - Data Structure & Algorithms
  OR
- CTS115 - Information Systems Business Concepts
  OR
- WBL111 - Work-Based Learning I
  OR
- WEB151 - Mobile Application Development I

Minimum Grade	D
Area	Major
Actual Credits	13

Requirement Select

- 3 credits must be selected from the Humanities List (Milestone) (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	50
Total Minor Credits	**Total Elective Credits**
0	0

A25590NE - Information Technology - Network Management Pathway

Overview

Program Title	Program Code
Information Technology - Network Management Pathway	A25590NE
Degree Designation	**Department**
Associate in Applied Science	Information Technology Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	65

Description

Program Description

The Network Management curriculum prepares individuals for employment supporting local- and wide-area networks. Students will learn how to use technologies to provide for data, voice, image and video communications in business, industry and education. Coursework includes design, installation, configuration and management of local- and wide-area network hardware and software. Emphasis is placed on developing proficiency in the use of network management software and the use of hardware such as bridges and routers.

Graduates may find entry-level employment as local area network managers, network operators, network analysts and network technicians. Graduates may also be qualified to take certification examinations for various network products, depending on their local programs.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Within this program specific courses will prepare students for the following industry credentials:
CTI 120 - Comp TIA Network+
CTS 120 and CTS 220 - Comp TIA A+
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
DBA-110 - MOS Access Expert Certification
NET Courses - Cisco Certified Network Associate
SEC-110/150 - Security+

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Resolve technical problems	Resolve technical problems using information technologies and information systems.

PLO Short Name Create technology system solutions based on industry standards and customer requirements.	Create technology system solutions based on industry standards and customer requirements.

PLO Short Name Communicate	Communicate with clarity and precision using appropriate information technology terminology and concepts

PLO Short Name Develop	Develop personal and professional skills to anticipate and meet workforce expectations

PLO Short Name Manage	Manage computer hardware and software in support of a variety of professional environments.

Program Requirements

Simple Requisites

General Education

Gen Ed
Type
Completion Requirement

1st Communications

Enroll in the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ANY of the following Courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Take one course

Humanities/Fine Arts

Complete ANY of the following Course Sets:
- Humanities (AAS)

Take 1 course from the list

Social/Behavioral Sciences

Complete ANY of the following Course Sets:
- Social/Behavioral Science Electives (AAS)

Take 1 course from the list

Mathematics

Complete ANY of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Take 1 course from the list

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- CIS110 - Introduction to Computers (3 cr)
- CTI110 - Information Technology Foundations (3 cr)
- CTI120 - Network & Security Foundation (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration/Pathway Hours

Pathway Requirements
Type
Completion Requirement

Network Management Pathway

Complete ALL of the following Courses:
- NET125 - Introduction to Networks (3 cr)
- NET126 - Routing Basics (3 cr)

Additional Comments:
Select one pathway

Other Major Hours - Required

Other Major Hours - Required:

Type
Completion Requirement

Other Major Classes - Network Management Pathway

Complete ALL of the following Courses:

- BUS270 - Professional Development (3 cr)
- CTI141 - Cloud & Storage Concepts (3 cr)
- NET225 - Routing & Switching I (3 cr)
- NET226 - Routing and Switching II (3 cr)
- NOS120 - Linux Single User (3 cr)
- NOS130 - Windows Single User (3 cr)
- NOS230 - Windows Administration I (3 cr)
- SEC160 - Security Administration I (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Take 25 credits

Additional Comments:
select one pathway

Other Major Hours - Electives List

Electives
Type
Completion Requirement

Other Major Classes - Electives

Earn at least 6 credits from the following:

- BUS110 - Introduction to Business (3 cr)
- BUS139 - Entrepreneurship I (3 cr)
- CIS115 - Introduction to Programming & Logic (3 cr)
- CSC111 - Introduction to Ethical Hacking (3 cr)
- CSC121 - Python Programming (3 cr)
- CSC151 - JAVA Programming (3 cr)
- CTS120 - Hardware/Software Support (3 cr)
- CTS130 - Spreadsheet (3 cr)
- CTS155 - Tech Support Functions (3 cr)
- CTS220 - Advanced Hardware/Software Support (3 cr)
- DBA110 - Database Concepts (3 cr)
- SEC110 - Security Concepts (3 cr)

Additional Comments:
CTS-225 Spreadsheet Data Analysis & BUS-228 Business Statistics have not been offered for at least 3 years. They have been removed from Electives.

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Take one of the courses offered

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
68 - 69

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select

- CTI110 - Information Technology Foundations
- **AND** CTI120 - Network & Security Foundation
- **AND** NET125 - Introduction to Networks
- **AND** NOS130 - Windows Single User

Minimum Grade D
Area Major
Actual Credits 12

Year	Semester	Actual Credits
Year 1	Spring	12 - 13

Requirement Select

- CTI141 - Cloud & Storage Concepts
- **AND** NET126 - Routing Basics

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select

- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I
  OR
- MAT171 - Precalculus Algebra

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Requirement Select

- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	6

Requirement Select

- CIS110 - Introduction to Computers

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select

- NET225 - Routing & Switching I
- **AND** NOS120 - Linux Single User
- **AND** SEC160 - Security Administration I

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select

- BUS270 - Professional Development
- **AND** CTS115 - Information Systems Business Concepts
- **AND** NET226 - Routing and Switching II
- **AND** NOS230 - Windows Administration I
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	13

Total General Education Credits	Total Major Credits
19 - 20	43
Total Minor Credits	**Total Elective Credits**
0	6

A25590PR - Information Technology - Computer Programming & Development Pathway

Overview

Program Title
Information Technology - Computer Programming & Development Pathway

Program Code
A25590PR

Degree Designation
Associate in Applied Science

Department
Information Technology Programs

Articulation Agreement
Associate in Applied Science Degree

Fully online option available?
Yes

Minimum Required Credit Hours
66

Description

Program Description
The Computer Programming & Development curriculum prepares students to design and develop desktop and web applications. The primary emphasis is hands-on training in programming and related computer areas that provide the ability to adapt as systems evolve.

Students will solve business computer problems through programming techniques and procedures and will become proficient in Java, C++, HTML, MVC, REST, unit testing, server-side JavaScript and SQL.

Upon graduation, they will be able to support the software development needs of businesses in a variety of industries, including health care, manufacturing, insurance, finance and software publishing.

Potential occupations include the following:
Programmer, Technical support specialist, Software developer, Software trainer, Web developer, Software tester, Programmer/ analyst, Quality assurance specialist, Systems analyst, Technical writer, Software architect, Database developer, Computer specialist.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Within this program specific courses will prepare students for the following industry credentials:
CTI 120 - Comp TIA Network+
CTS 120 and CTS 220 - Comp TIA A+
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
DBA-110 - MOS Access Expert Certification
NET Courses - Cisco Certified Network Associate
SEC-110/150 - Security+

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Resolve	Resolve technical problems using information technologies and information systems
PLO Short Name Create technology	Create technology system solutions based on industry standards and customer requirements
PLO Short Name Communication	Communicate with clarity and precision using appropriate information technology terminology and concepts
PLO Short Name Develop	Develop personal and professional skills to anticipate and meet workforce expectations.
PLO Short Name Manage	Manage computer hardware and software in support of a variety of professional environments.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Enroll in the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:

- Humanities (AAS)

Take 1 course from the list

Social/Behavioral Sciences

Complete at least 1 courses in the following course sets:

- Social/Behavioral Science Electives (AAS)

Take 1 course from the list

Mathematics

Complete ALL of the following Courses:

- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- CTI110 - Information Technology Foundations (3 cr)
- CTI120 - Network & Security Foundation (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Programming & Dev Pathway

Complete ALL of the following Courses:

- CSC151 - JAVA Programming (3 cr)
- CSC251 - Advanced JAVA Programming (3 cr)

Take 6 credits

Additional Comments:
Select one pathway

Other Major Hours - Required

Other Major Hours - Required:
Type
Completion Requirement

Other Major Courses - Programming & Dev Pathway

Complete ALL of the following Courses:

- BUS270 - Professional Development (3 cr)
- CIS115 - Introduction to Programming & Logic (3 cr)
- CSC121 - Python Programming (3 cr)
- CSC221 - Advanced Python Programming (3 cr)
- CSC153 - C# Programming (3 cr)
- CTS130 - Spreadsheet (3 cr)
- DBA110 - Database Concepts (3 cr)
- NOS120 - Linux Single User (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Take 25 credits

Other Major Hours - Electives List

Other Major Hours - Elective List
Type
Completion Requirement

Other Major Hours - Electives

Earn at least 6 credits from the following:

- BUS139 - Entrepreneurship I (3 cr)
- CSC111 - Introduction to Ethical Hacking (3 cr)
- CSC134 - C++ Programming (3 cr)
- CTI141 - Cloud & Storage Concepts (3 cr)
- CTS225 - Spreadsheet Data Analysis (3 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- NET125 - Introduction to Networks (3 cr)
- NOS130 - Windows Single User (3 cr)
- WEB151 - Mobile Application Development I (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence

Total Degree Map Credits
66

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select
- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select
- CSC121 - Python Programming
- **AND** CSC151 - JAVA Programming
- **AND** CTI110 - Information Technology Foundations
- **AND** CTI120 - Network & Security Foundation

Minimum Grade D
Area Major
Actual Credits 12

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	13

Requirement Select
- CSC221 - Advanced Python Programming
- **AND** CSC251 - Advanced JAVA Programming

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select
- MAT171 - Precalculus Algebra

Minimum Grade D
Area General Education
Actual Credits 4

Requirement Select
- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade D
Area Elective
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select
- CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select
- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting
- **AND** Course Not Found

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select
- Social/Behavioral Science Electives (AAS)

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Fall	12

Requirement Select
- CIS115 - Introduction to Programming & Logic
- **AND** CSC153 - C# Programming
- **AND** NOS120 - Linux Single User
- **AND** CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 9

Requirement Select
- 3 credits must be selected from the Major Course Electives list (Milestone) (Milestone)

Minimum Grade D
Area Elective
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select

- BUS270 - Professional Development
- **AND** CTS115 - Information Systems Business Concepts
- **AND** DBA110 - Database Concepts
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	10

Requirement Select

- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
11	43
Total Minor Credits	**Total Elective Credits**
0	6

A25590SS - Information Technology - Support & Services Pathway

Overview

Program Title	Program Code
Information Technology - Support & Services Pathway	A25590SS
Degree Designation	**Department**
Associate in Applied Science	Information Technology Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	65

Description

Program Description

The Information Technology Technical Support curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible program, designed to meet community information system's needs.

Course work includes computer systems terminology and operations, logic, operating systems, database, data communications/networking, and related business topics. Studies will provide experience for students to implement, support, and customize industry-standard information systems.

Graduates should qualify for a wide variety of computer-related, entry-level positions that provide opportunities for advancement with increasing experience and ongoing training. Duties may include systems maintenance and troubleshooting, support and training, and Security related help desk and support responsibilities.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Within this program specific courses will prepare students for the following industry credentials:
CTI 120 - Comp TIA Network+
CTS 120 and CTS 220 - Comp TIA A+
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
DBA-110 - MOS Access Expert Certification
NET Courses - Cisco Certified Network Associate
SEC-110/150 - Security+

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Resolve	Resolve technical problems using information technologies and information systems
PLO Short Name Create	Create technology system solutions based on industry standards and customer requirements
PLO Short Name Communicate	Communicate with clarity and precision using appropriate information technology terminology and concepts
PLO Short Name Develop	Develop personal and professional skills to anticipate and meet workforce expectations
PLO Short Name Manage	Manage computer hardware and software in support of a variety of professional environments.

Program Requirements

Simple Requisites

General Education

1st Communications
Type
Completion Requirement

Communications

Enroll in the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete ANY of the following Course Sets:
- Humanities (AAS)

Take 1 course from the list

Social/Behavioral Sciences

Complete ANY of the following Course Sets:
- Social/Behavioral Science Electives (AAS)

Take 1 course from the list

Mathematics

Complete ANY of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Take 1 course from the list

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- CIS110 - Introduction to Computers (3 cr)
- CTI110 - Information Technology Foundations (3 cr)
- CTI120 - Network & Security Foundation (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration/Pathway Hours

Pathway Requirements
Type
Completion Requirement

Concentration Pathway - Support & Services

Complete ALL of the following Courses:
- CTS155 - Tech Support Functions (3 cr)
- CTS220 - Advanced Hardware/Software Support (3 cr)

Take 6 credits

Additional Comments:
Select one pathway

Other Major Hours - Required

Other Major Hours - Required:
Type

Completion Requirement

Other Major Courses - Support & Services Pathway

Complete ALL of the following Courses:

- BUS270 - Professional Development (3 cr)
- CTI141 - Cloud & Storage Concepts (3 cr)
- CTS120 - Hardware/Software Support (3 cr)
- CTS130 - Spreadsheet (3 cr)
- NET125 - Introduction to Networks (3 cr)
- NOS120 - Linux Single User (3 cr)
- NOS130 - Windows Single User (3 cr)
- NOS230 - Windows Administration I (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Additional Comments:
select one pathway

Other Major Hours - Electives List

Electives
Type
Completion Requirement

Other Major Classes - Elective List

Earn at least 6 credits from the following:

- BUS139 - Entrepreneurship I (3 cr)
- CIS115 - Introduction to Programming & Logic (3 cr)
- CSC111 - Introduction to Ethical Hacking (3 cr)
- CSC121 - Python Programming (3 cr)
- CSC134 - C++ Programming (3 cr)
- CSC151 - JAVA Programming (3 cr)
- CSC153 - C# Programming (3 cr)
- CSC234 - Advanced C++ Programming (3 cr)
- CSC251 - Advanced JAVA Programming (3 cr)
- DBA110 - Database Concepts (3 cr)
- NET126 - Routing Basics (3 cr)
- NET225 - Routing & Switching I (3 cr)
- NET226 - Routing and Switching II (3 cr)
- SEC110 - Security Concepts (3 cr)
- SEC160 - Security Administration I (3 cr)
- WEB151 - Mobile Application Development I (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Take one of the courses offered

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
65 - 66

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- CTI110 - Information Technology Foundations
- **AND** CTI120 - Network & Security Foundation
- **AND** CTS120 - Hardware/Software Support
- **AND** NET125 - Introduction to Networks

Minimum Grade	D
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Spring	12 - 13

Requirement Select

- CTS155 - Tech Support Functions
- **AND** CTS220 - Advanced Hardware/Software Support

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I
  OR
- MAT171 - Precalculus Algebra

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Requirement Select

- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- CIS110 - Introduction to Computers
- **AND** CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select

- NOS120 - Linux Single User
- **AND** NOS130 - Windows Single User

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	3

Requirement Select

- 3 credits must be selected from the Social/ Behavioral Science Elective list (Milestone)
  OR
- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select

- BUS270 - Professional Development
- **AND** CTI141 - Cloud & Storage Concepts
- **AND** CTS115 - Information Systems Business Concepts
- **AND** NOS230 - Windows Administration I
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	13

Total General Education Credits	Total Major Credits
16 - 17	43
Total Minor Credits	**Total Elective Credits**
0	6

A25590SY - Information Technology - Cybersecurity

Overview

Program Title
Information Technology - Cybersecurity

Program Code
A25590SY

Degree Designation
Associate in Applied Science

Department
Information Technology Programs

Fully online option available?
Yes

Description

Program Description
The Information Technology (IT) curriculum prepares graduates for employment in the technology sector and with organizations that use information technology systems to process information and automate business processes.

Course work is designed to develop a student's ability to create, store, communicate, exchange, and use information to solve technical issues related to information security, interactive media, network systems, software development, and information technology support and services.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies that rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Within this program specific courses will prepare students for the following industry credentials:
CTI 120 - Comp TIA Network+
CTS 120 and CTS 220 - Comp TIA A+
CTS-125 - MOS PowerPoint Certification
CTS-130 - MOS Excel Associate Certification
DBA-110 - MOS Access Expert Certification
NET Courses - Cisco Certified Network Associate
SEC-110/150 - Security+

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Analytical Thinking	Resolve technical problems using information technologies and information systems
PLO Short Name Professional Skills	Create technology system solutions based on industry standards and customer requirements
PLO Short Name Communication	Communicate with clarity and precision using appropriate information technology terminology and concepts
PLO Short Name Develop	Develop personal and professional skills to anticipate and meet workforce expectations.
PLO Short Name Manage	Manage computer hardward and software in support of a variety of professional environments.

Program Requirements

Simple Requisites

General Education

1st Communications
Type
Completion Requirement

Communications

Enroll in the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete ANY of the following Course Sets:

- Humanities (AAS)

Take 1 course from the list

Social/Behavioral Sciences

Complete ANY of the following Course Sets:

- Social/Behavioral Science Electives (AAS)

Take 1 course from the list

Mathematics

Complete ANY of the following Courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Take 1 course from the list

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- CTI110 - Information Technology Foundations (3 cr)
- CTI120 - Network & Security Foundation (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration/Pathway Hours

Pathway Requirements
Type
Completion Requirement

Concentration Pathway - Cyber Security

Complete ALL of the following Courses:

- SEC110 - Security Concepts (3 cr)
- SEC160 - Security Administration I (3 cr)

Take 6 credits

Additional Comments:
Select one pathway

Other Major Hours - Required

Other Major Hours - Required:
Type
Completion Requirement

Cyber Security Pathway

Complete ALL of the following Courses:

- CSC111 - Introduction to Ethical Hacking (3 cr)
- CSC121 - Python Programming (3 cr)
- CTI141 - Cloud & Storage Concepts (3 cr)
- CTS130 - Spreadsheet (3 cr)
- NET125 - Introduction to Networks (3 cr)
- NOS120 - Linux Single User (3 cr)
- NOS130 - Windows Single User (3 cr)
- NOS230 - Windows Administration I (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Take 25 credits

Additional Comments:
select one pathway

Other Major Hours - Electives List

Electives
Type
Completion Requirement

Major Course Electives

Earn at least 6 credits from the following:

- BUS110 - Introduction to Business (3 cr)
- BUS139 - Entrepreneurship I (3 cr)
- BUS228 - Business Statistics (3 cr)
- BUS230 - Small Business Management (3 cr)
- BUS270 - Professional Development (3 cr)
- CIS115 - Introduction to Programming & Logic (3 cr)
- CSC151 - JAVA Programming (3 cr)
- CTS120 - Hardware/Software Support (3 cr)
- CTS225 - Spreadsheet Data Analysis (3 cr)
- DBA110 - Database Concepts (3 cr)
- NET126 - Routing Basics (3 cr)
- NET225 - Routing & Switching I (3 cr)
- NET226 - Routing and Switching II (3 cr)
- WEB151 - Mobile Application Development I (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
65 - 66

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select
- Choose one: ACA115 or ACA122 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- CSC121 - Python Programming
  OR
- CTI110 - Information Technology Foundations
  OR
- CTI120 - Network & Security Foundation
  OR
- NET125 - Introduction to Networks

Minimum Grade	D
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Spring	12 - 13

Requirement Select
- Choose one: MAT143, MAT152 or MAT171 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3 - 4

Requirement Select
- CTI141 - Cloud & Storage Concepts
  OR
- SEC110 - Security Concepts

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- 3 credits must be selected from the Major Course Electives List (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select
- Choose one: ENG112 or ENG114 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- CIS110 - Introduction to Computers
  OR
- CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select
- NOS120 - Linux Single User
  OR
- NOS130 - Windows Single User
  OR
- SEC160 - Security Administration I

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select
- 3 credits must be selected from the Major Course Electives List (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- 3 credits must be selected from the Social/ Behavior Sciences List (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select

- CSC111 - Introduction to Ethical Hacking
  OR
- CTS115 - Information Systems Business Concepts
  OR
- NOS230 - Windows Administration I
  OR
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	10

Requirement Select

- 3 credits must be selected from the Humanities List (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	49
Total Minor Credits	**Total Elective Credits**
0	0

A25800 - Accounting and Finance - AAS

Overview

Program Title Accounting and Finance - AAS	**Program Code** A25800
Degree Designation Associate in Applied Science	**Department** Accounting Programs
Fully online option available? Yes	**Minimum Required Credit Hours** 66

Description

Program Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
ACC 150- Quickbooks Online Certified user
CTS-130 - MOS Excel Associate Certification

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Prepare financial reports	Prepare financial reports and forms using appropriate accounting software (e.g. financial, managerial, payroll, tax, spreadsheet, accounting software).

PLO Short Name	
Analyze	Analyze business and financial scenarios.

PLO Short Name	
Develop	Develop personal and professional skills to be productive members of the accounting profession.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communication

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communication

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
  OR MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS115 - Business Law I (3 cr)
- BUS225 - Business Finance (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- CTS130 - Spreadsheet (3 cr)

Economics Req.

Complete at least 1 of the following courses:
- ECO251 - Principles of Microeconomics (3 cr)
  OR ECO252 - Principles of Macroeconomics (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Accounting Pathway Hours

Complete ALL of the following Courses:
- ACC129 - Individual Income Taxes (3 cr)
- ACC140 - Payroll Accounting (2 cr)
- ACC220 - Intermediate Accounting I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Complete ALL of the following Courses:
- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)
- ACC227 - Practices in Accounting (3 cr)
- ACC240 - Government & Not-For-Profit Accounting (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- BUS137 - Principles of Management (3 cr)

Professional Development Requirement

Complete at least 1 of the following courses:
- BUS270 - Professional Development (3 cr)
  OR LDR110 - Introduction to Leadership (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
  OR ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66 - 67

Year	Semester	Actual Credits
Year 1	Fall 1	8

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- ACC120 - Principles of Financial Accounting
- **AND** CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- ACC122 - Principles of Financial Acct II
- **AND** CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- BUS115 - Business Law I

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- ACC121 - Principles of Managerial Accounting
- **AND** ACC150 - Accounting Software Applications

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select

- Complete Bookkeeping I Certificate (C25800B) (Milestone)

Minimum Grade D
Area Elective
Actual Credits -

Year	Semester	Actual Credits
Year 1	Summer	5 - 6

Requirement Select

- ACC140 - Payroll Accounting

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select

- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 2	Fall 1	7

Requirement Select
- ACC220 - Intermediate Accounting I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- BUS270 - Professional Development
  OR
- LDR110 - Introduction to Leadership

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select
- ACC129 - Individual Income Taxes
- **AND** BUS137 - Principles of Management

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 1	7

Requirement Select
- ACC240 - Government & Not-For-Profit Accounting
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- ECO251 - Principles of Microeconomics
  OR
- ECO252 - Principles of Macroeconomics

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select
- ACC227 - Practices in Accounting
- **AND** BUS225 - Business Finance

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- Complete Bookkeeping II Certificate (C25800C) (Milestone)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 2	Summer	9

Requirement Select
- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- 3 credits must be selected from the Humanities/ Fine Arts elective list (Milestone)
  OR
- 3 credits must be selected from the Social/ Behavioral Science Electives list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	6

Total General Education Credits	Total Major Credits
16 - 17	50
Total Minor Credits	**Total Elective Credits**
0	0

A25800FS - Accounting and Finance

Overview

Program Title
Accounting and Finance

Program Code
A25800FS

Degree Designation
Associate in Applied Science

Department
Accounting Programs

Articulation Agreement
Transfer Pathway to Fayetteville State University

Fully online option available?
Yes

Minimum Required Credit Hours
65

Description

Program Description
This program is an articulated program with Fayetteville State University as part of their $10K Degree Pathway Partnership (www.uncfsu.edu/fsu-admissions/10k-pathway). This partnership guarantees that associate's degree recipients can complete an online Bachelor's degree at FSU for a maximum "out of pocket" cost of $10,000.

Fayetteville State University has an online option for their bachelor's degree in accounting making this a nice pathway for students completing their associate degree from BRCC through our online option. Students who plan to attend the accounting program at Fayetteville State University should be enrolled in the Accounting Associates Degree program at Blue Ridge Community College. Students must complete each course within the Accounting Degree with a grade of "C" or better for the course to transfer.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
ACC 150- Quickbooks Online Certified user
CTS-130 - MOS Excel Associate Certification

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Prepare financial reports	Prepare financial reports and forms using appropriate accounting software (e.g. financial, managerial, payroll, tax, spreadsheet, accounting software).
PLO Short Name Analyze	Analyze business and financial scenarios.
PLO Short Name Develop	Develop personal and professional skills to be productive members of the accounting profession.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communication

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communication

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- MUS110 - Music Appreciation (3 cr)
- REL110 - World Religions (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS115 - Business Law I (3 cr)
- BUS225 - Business Finance (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- CTS130 - Spreadsheet (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Accounting Pathway

Complete ALL of the following Courses:

- ACC129 - Individual Income Taxes (3 cr)
- ACC140 - Payroll Accounting (2 cr)
- ACC220 - Intermediate Accounting I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Required

Complete ALL of the following Courses:

- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)
- ACC227 - Practices in Accounting (3 cr)
- ACC240 - Government & Not-For-Profit Accounting (3 cr)
- BUS137 - Principles of Management (3 cr)
- MKT120 - Principles of Marketing (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA122 - College Transfer Success (1 cr)
- ACA115 - Success & Study Skills (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
65

Year	Semester	Actual Credits
Year 1	Fall 1	8

Requirement Select

- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- ACC120 - Principles of Financial Accounting
- **AND** CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- ACC122 - Principles of Financial Acct II
- **AND** CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select
- BUS115 - Business Law I

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select
- ACC121 - Principles of Managerial Accounting
- **AND** ACC150 - Accounting Software Applications

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Summer	8

Requirement Select
- ACC140 - Payroll Accounting

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select
- ECO251 - Principles of Microeconomics
- **AND** MAT143 - Quantitative Literacy

Minimum Grade D
Area General Education
Actual Credits 6

Year	Semester	Actual Credits
Year 2	Fall 1	7

Requirement Select
- ACC220 - Intermediate Accounting I
- **AND** ECO252 - Principles of Macroeconomics

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select
- ACC129 - Individual Income Taxes
- **AND** BUS137 - Principles of Management

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 2	Spring 1	6

Requirement Select
- ACC240 - Government & Not-For-Profit Accounting
- **AND** MKT120 - Principles of Marketing

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select
- ACC227 - Practices in Accounting
- **AND** BUS225 - Business Finance

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 2	Summer	6

Requirement Select
- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select
- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)

Minimum Grade D
Area General Education
Actual Credits 3

Total General Education Credits	Total Major Credits
16	49
Total Minor Credits	**Total Elective Credits**
0	0

A25800UA - Accounting and Finance

Overview

Program Title
Accounting and Finance

Program Code
A25800UA

Degree Designation
Associate in Applied Science

Department
Accounting Programs

Articulation Agreement
Transfer Articulation to the University of North Carolina Asheville

Fully online option available?
Yes

Minimum Required Credit Hours
66

Description

Program Description
This program is an articulated program with the University of North Carolina Asheville. Students who plan to attend the accounting program at the University of North Carolina Asheville should be enrolled in the Accounting Associate in Applied Science Degree program at Blue Ridge Community College. Students must complete each course within the Accounting Degree with a grade of "C" or better for the course to transfer.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
ACC 150- Quickbooks Online Certified user
CTS-130 - MOS Excel Associate Certification

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Prepare financial reports	Prepare financial reports and forms using appropriate accounting software (e.g. financial, managerial, payroll, tax, spreadsheet, accounting software).

PLO Short Name Analyze	Analyze business and financial scenarios.

PLO Short Name Develop	Develop personal and professional skills to be productive members of the accounting profession.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communication

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communication

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
  OR DRA111 - Theatre Appreciation (3 cr)
  OR MUS110 - Music Appreciation (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS115 - Business Law I (3 cr)
- BUS225 - Business Finance (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- CTS130 - Spreadsheet (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Accounting Pathway

Complete ALL of the following Courses:

- ACC129 - Individual Income Taxes (3 cr)
- ACC140 - Payroll Accounting (2 cr)
- ACC220 - Intermediate Accounting I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)
- ACC227 - Practices in Accounting (3 cr)
- BUS137 - Principles of Management (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- MKT120 - Principles of Marketing (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Student Success

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66

Year	Semester	Actual Credits
Year 1	Fall 1	8

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- ACC120 - Principles of Financial Accounting
- **AND** CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- ACC122 - Principles of Financial Acct II
- **AND** CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- BUS137 - Principles of Management

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- ACC121 - Principles of Managerial Accounting
- **AND** ACC150 - Accounting Software Applications

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	5

Requirement Select

- ACC140 - Payroll Accounting

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select

- ECO251 - Principles of Microeconomics

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 1	10

Requirement Select

- ACC220 - Intermediate Accounting I
- **AND** ECO252 - Principles of Macroeconomics
- **AND** LDR110 - Introduction to Leadership

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select

- ACC129 - Individual Income Taxes
- **AND** BUS115 - Business Law I

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 1	7

Requirement Select

- MAT152 - Statistical Methods I

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select

- MKT120 - Principles of Marketing

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select

- ACC227 - Practices in Accounting
- **AND** BUS225 - Business Finance

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Summer	6

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
17	49
Total Minor Credits	**Total Elective Credits**
0	0

A25800WC - Accounting and Finance

Overview

Program Title
Accounting and Finance

Program Code
A25800WC

Degree Designation
Associate in Applied Science

Department
Accounting Programs

Articulation Agreement
Transfer Pathway to Western Carolina University

Fully online option available?
Yes

Minimum Required Credit Hours
66

Description

Program Description
The Catamount Blue Ridge Program guarantees admission to WCU when the applicant meets certain requirements. This pathway program is designed using WCU's transfer information to create a clear path for students completing the Accounting Associate in Applied Science Degree program at Blue Ridge Community College transferring to WCU's accounting program. Students must complete each course within the Accounting Degree with a grade of "C" or better for the course to transfer.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Industry credentials have been built into this program in the following courses:
ACC 150- Quickbooks Online Certified user
CTS-130 - MOS Excel Associate Certification

Ask your advisor for more details.

Program Learning Outcomes (PLO's)

PLO Short Name Prepare financial reports	Prepare financial reports and forms using appropriate accounting software (e.g. financial, managerial, payroll, tax, spreadsheet, accounting software).

PLO Short Name Analyze	Analyze business and financial scenarios.

PLO Short Name Develop	Develop personal and professional skills to be productive members of the accounting profession.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communication

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communication

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
  OR ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- MUS110 - Music Appreciation (3 cr)
- REL110 - World Religions (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS115 - Business Law I (3 cr)
- BUS225 - Business Finance (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- CTS130 - Spreadsheet (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration: Accounting Pathway

Complete ALL of the following Courses:

- ACC129 - Individual Income Taxes (3 cr)
- ACC140 - Payroll Accounting (2 cr)
- ACC220 - Intermediate Accounting I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Required

Complete ALL of the following Courses:

- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)
- ACC227 - Practices in Accounting (3 cr)
- MKT120 - Principles of Marketing (3 cr)
- ACC240 - Government & Not-For-Profit Accounting (3 cr)
- BUS137 - Principles of Management (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA122 - College Transfer Success (1 cr)
- ACA115 - Success & Study Skills (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66

Year	Semester	Actual Credits
Year 1	Fall 1	8

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- ACC120 - Principles of Financial Accounting
- **AND** CIS110 - Introduction to Computers

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- ACC122 - Principles of Financial Acct II
- **AND** CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- BUS137 - Principles of Management

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- ACC121 - Principles of Managerial Accounting
- **AND** ACC150 - Accounting Software Applications

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- Complete Bookkeeping I Certificate (C25800B) ACC 120, ACC 122, ACC 150, CTS 130, and elective (Milestone)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- ACC140 - Payroll Accounting

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select

- ECO251 - Principles of Microeconomics
- **AND** MAT152 - Statistical Methods I

Minimum Grade	D
Area	General Education
Actual Credits	7

Year	Semester	Actual Credits
Year 2	Fall 1	7

Requirement Select

- ACC220 - Intermediate Accounting I
- **AND** ECO252 - Principles of Macroeconomics

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select

- ACC129 - Individual Income Taxes

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- BUS115 - Business Law I

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 1	6

Requirement Select

- ACC240 - Government & Not-For-Profit Accounting
- **AND** MKT220 - Advertising and Sales Promotions

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select

- ACC227 - Practices in Accounting
- **AND** BUS225 - Business Finance

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- Complete Bookkeeping II Certificate (C25800C) ACC 129, ACC 140, ACC 220, ACC 227, ACC 240 and CTS 130 (Milestone)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 2	Summer	6

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- Humanities elective must satisfy WCU's P3, P4, P5, or P6 requirement (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
17	49
Total Minor Credits	**Total Elective Credits**
0	0

A30140 - Film and Video Production Technology – AAS Degree

Overview

Program Title
Film and Video Production Technology – AAS Degree

Program Code
A30140

Degree Designation
Associate in Applied Science

Department
Film and Video Programs

Minimum Required Credit Hours
69

Description

Program Description
Film and video is more than a career path; it is a journey to develop your voice, share your vision, and tell your story. The Film and Video Production Technology curriculum is designed to facilitate media literacy and community engagement through the moving image. Culture is inundated with media; a film education offers opportunities to become an active and informed participant, engaged in the conversations taking place on a global scale.

The project-based classes in Film and Video are designed to push you creatively, while providing you with a solid foundation in filmmaking technique and a strong background in film history. This program is not just about how you turn on the camera, but about answering the bigger questions of “why”.

In the FVP program at Blue Ridge, we believe your voice matters; no one can make the films you will make. Our award-winning faculty have diverse backgrounds in all areas of cinema, and provide you with the support, resources, and mentorship to develop broad skills across multiple cinematic disciplines, from fiction to non-fiction to experimental practices in cinematography, sound design, editing, screenwriting, production management, set design, and film analysis.

Film and Video isn't simply an academic program, but is truly a community of filmmakers with shared goals of cinematic success. Students in the program work both independently and collaboratively to bring their visions to screen and make a difference.

Graduates of the BRCC Film and Video Program are prepared to transfer to four-year universities or begin their careers in the film industry locally or nationally. The program equips students with a diverse set of technical and conceptual skills, preparing them for the creative challenges they will face as filmmakers.

Program Learning Outcomes (PLO's)

Students will create cinematography and image design work that engages an audience on multiple levels, demonstrates creative ability, and communicates intended meaning.

Students will structure emotional, expository, narrative, metric, and intensity arcs in their work, and employ the rhetoric power of cinema to inform, persuade, entertain, and communicate.

Students will create sound design work for film and video, including recording and mixing: foley, dialog replacement, and sound effects.

Students will discuss, research, and analyze cinematic works to understand and discuss the history/context to which their work belongs.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Composition

Complete ANY of the following Courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Science

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Mathematics

Complete ANY of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Major Classes

Complete ALL of the following Courses:
- FVP111 - Introduction to Film and Video (3 cr)
- FVP112 - Art Deptartment Operations I (3 cr)
- FVP113 - Grip & Electrical I (3 cr)
- FVP114 - Camera & Lighting I (3 cr)
- FVP115 - Camera & Lighting II (3 cr)
- FVP116 - Sound Operations (3 cr)
- FVP120 - Art Dept. Operations II (3 cr)
- FVP130 - Grip and Electrical II (3 cr)
- FVP212 - Production Techniques I (5 cr)
- FVP213 - Production Techniques II (5 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:
- FVP215 - Production Management (3 cr)
- FVP220 - Editing I (3 cr)
- FVP221 - Editing II (3 cr)
- FVP240 - Introduction to Screenwriting (3 cr)

Other Major Hours - Electives List

Other Major Hours Electives
Type
Completion Requirement

Electives

Earn at least 7 credits from the following:

- ART131 - Drawing I (3 cr)
- ART132 - Drawing II (3 cr)
- ART135 - Figure Drawing I (3 cr)
- ART171 - Digital Design I (3 cr)
- ART264 - Digital Photography I (3 cr)
- ART265 - Digital Photography II (3 cr)
- ART266 - Videography I (3 cr)
- ART267 - Videography II (3 cr)
- ART271 - Digital Design II (3 cr)
- ART275 - Introduction to Graphic Design (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM140 - Introduction to Intercultural Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA130 - Acting I (3 cr)
- DRA140 - Stagecraft I (3 cr)
- DRA141 - Stagecraft II (3 cr)
- DRA145 - Stage Make-Up (2 cr)
- DRA170 - Play Production I (3 cr)
- DRA171 - Play Production II (3 cr)
- DME115 - Digital Media Tools (3 cr)
- FRE111 - Elementary French I (3 cr)
- FRE181 - French Lab 1 (1 cr)
- FVP223 - Postproduction Sound Design (3 cr)
- FVP227 - Multimedia Production (3 cr)
- GRD141 - Graphic Design I (4 cr)
- GRD151 - Computer Design Basics (3 cr)
- SGD111 - Introduction to SGD (3 cr)
- SGD112 - SGD Design (3 cr)
- SPA111 - Elementary Spanish I (3 cr)
- SPA181 - Spanish Lab 1 (1 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

ACA

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)
- ACA115 - Success & Study Skills (1 cr)

Recommended Course Sequence

Degree Map Name
Film and Video Production Technology – AAS Degree
Total Degree Map Credits
69 - 72

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA115 (Milestone)
  OR
- ACA122 (Milestone)

Minimum Grade -
Area General Education
Actual Credits 1

Requirement Select

- FVP111 - Introduction to Film and Video
- **AND** FVP112 - Art Deptartment Operations I
- **AND** FVP114 - Camera & Lighting I
- **AND** FVP116 - Sound Operations

Minimum Grade -
Area Major
Actual Credits 12

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade -
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade -
Area General Education
Actual Credits 3

Requirement Select

- FVP113 - Grip & Electrical I
- **AND** FVP115 - Camera & Lighting II
- **AND** FVP220 - Editing I

Minimum Grade	-
Area	General Education
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Summer	9 - 10

Requirement Select

- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I
  OR
- MAT171 - Precalculus Algebra

Minimum Grade	-
Area	General Education
Actual Credits	3 - 4

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	17

Requirement Select

- FVP120 - Art Dept. Operations II
- **AND** FVP130 - Grip and Electrical II
- **AND** FVP212 - Production Techniques I
- **AND** FVP240 - Introduction to Screenwriting

Minimum Grade	-
Area	Major
Actual Credits	14

Requirement Select

- Take 3 credits from the list of electives for this program (Generic)

Minimum Grade	-
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	15 - 17

Requirement Select

- FVP213 - Production Techniques II
- **AND** FVP215 - Production Management
- **AND** FVP221 - Editing II

Minimum Grade	-
Area	Major
Actual Credits	11

Requirement Select

- Take 4 or more credits from the list of electives for this program (Generic)

Minimum Grade	-
Area	Elective
Actual Credits	4 - 6

Total General Education Credits	Total Major Credits
25 - 26	37
Total Minor Credits	**Total Elective Credits**
0	7 - 9

A40140 - Civil Engineering Technology - AAS

Overview

Program Title
Civil Engineering Technology - AAS

Program Code
A40140

Degree Designation
Associate in Applied Science

Department
Engineering Programs

Description

Program Description
A course of study that prepares students to use basic engineering principles and technical skills to carry out planning, documenting and supervising tasks in sustainable land development and public works and facilities projects. Includes instruction in the communication and computational skills required for materials testing, structural testing, field and laboratory testing, site analysis, estimating, project management, plan preparation, hydraulics, environmental technology, and surveying.
Coursework includes Mathematics
Graduates should qualify for technician-level jobs with both public and private engineering, construction, and surveying agencies

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, CEG, CIV, DFT, EGR, MAT, and SRV.

This pathway does not meet the entrance requirements at any of the North Carolina public University Bachelor of Science Engineering programs. Students wishing to pursue a transfer should seek an Associate in Engineering degree.

Program Learning Outcomes (PLO's)

PLO Short Name	
Civil engineering tests	Perform and evaluate common civil engineering tests

PLO Short Name	
Engineering Reports	Produce accurate engineering reports to industry standards

PLO Short Name	
Plans	Develop appropriate plans for a civil engineering project

PLO Short Name	
Participation	Participate effectively as a member of the project team

PLO Short Name	
Accurately interpret plans and specifications	Accurately interpret plans and specifications

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications I

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Communications II

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete ALL of the following Courses:
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavior Sciences

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core

Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CEG111 - Introduction to GIS and GNSS (4 cr)
- CEG115 - Introduction to Tech & Sustainability (3 cr)
- CEG211 - Hydrology & Erosion Control (3 cr)
- DFT151 - CAD I (3 cr)
- SRV110 - Surveying I (4 cr)

Concentration/Pathway Hours

Program Major
Type
Completion Requirement

Program Major

Complete ALL of the following Courses:

- CEG210 - Construction Materials & Methods (3 cr)
- CEG212 - Introduction to Environmental Technology (3 cr)
- CEG235 - Project Management & Estimating (3 cr)
- CIV111 - Soils and Foundations (4 cr)
- EGR250 - Statics/Strength of Mater (5 cr)
- SRV111 - Surveying II (4 cr)

Other Major Hours - Required

Other Major Hours- Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- CIV125 - Civil/Surveying CAD (3 cr)
- CIV215 - Highway Technology (3 cr)
- CIV220 - Basic Structural Concepts (2 cr)
- CIV250 - Civil Engineering Technology Project (2 cr)

Other Major Hours - Electives List

Electives
Type
Completion Requirement

Electives

Earn at least 1 credits from the following:

- MAT172 - Precalculus Trigonometry (4 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

ACA
Type
Completion Requirement

College Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
71 - 74

Year	Semester	Actual Credits
Year 1	Fall 1	16

Requirement Select

- ACA122 - College Transfer Success
  OR
- MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select

- CEG111 - Introduction to GIS and GNSS
  OR
- CEG115 - Introduction to Tech & Sustainability
  OR
- EGR125 - Applications Software for Technology
  OR
- EGR150 - Introduction to Engineering

Minimum Grade	C
Area	Major
Actual Credits	11

Year	Semester	Actual Credits
Year 1	Spring 1	18

Requirement Select

- ECO251 - Principles of Microeconomics
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	6

Requirement Select

- DFT151 - CAD I
  OR
- EGR250 - Statics/Strength of Mater
  OR
- SRV110 - Surveying I

Minimum Grade	C
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Summer	8 - 11

Requirement Select

- CEG211 - Hydrology & Erosion Control
  OR
- SRV111 - Surveying II

Minimum Grade	C
Area	Major
Actual Credits	7

Requirement Select

- MAT172 - Precalculus Trigonometry
  OR
- WBL111 - Work-Based Learning I

Minimum Grade	C
Area	Elective
Actual Credits	1 - 4

Year	Semester	Actual Credits
Year 2	Fall 2	14

Requirement Select

- CEG212 - Introduction to Environmental Technology
  OR
- CIV125 - Civil/Surveying CAD
  OR
- CIV215 - Highway Technology
  OR
- CIV220 - Basic Structural Concepts

Minimum Grade	C
Area	Major
Actual Credits	11

Requirement Select

- PHI240 - Introduction to Ethics

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	15

Requirement Select

- CEG210 - Construction Materials & Methods
  OR
- CEG235 - Project Management & Estimating
  OR
- CIV111 - Soils and Foundations
  OR
- CIV250 - Civil Engineering Technology Project

Minimum Grade	C
Area	Major
Actual Credits	12

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting
  OR
- COM231 - Public Speaking

Minimum Grade	C
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
17	53
Total Minor Credits	**Total Elective Credits**
0	1 - 4

A40150 - Environmental Engineering Technology - AAS

Overview

Program Title
Environmental Engineering Technology - AAS

Program Code
A40150

Degree Designation
Associate in Science

Department
Engineering Programs

Description

Program Description
A course of study that prepares students to use mathematical and scientific principles to modify, test, and operate equipment and devices used in the prevention, control and remediation of environmental problems and development of environmental remediation devices. Includes instruction in environmental safety principles, environmental standards, testing and sampling procedures, laboratory techniques, instrumentation calibration, safety and protection procedures, equipment maintenance, and report preparation.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, CEG, CIV, DFT, EGR, ENV, MAT, and SRV.

This pathway does not meet the entrance requirements at any of the North Carolina public University Bachelor of Science Engineering programs. Students wishing to pursue a transfer should seek an Associate in Engineering degree.

Program Learning Outcomes (PLO's)

PLO Short Name Basic Principals	Apply the basic principles of biology, hydrology, and geomorphology.

PLO Short Name Engineering Reports	Produce effective environmental engineering reports to industry standards

PLO Short Name Plans	Develop appropriate plans for an environmental engineering project

PLO Short Name Participation	Participate effectively as a member of the project team

PLO Short Name Issues	Identify the contemporary issues that affect environmental engineering

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications I

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Communications II

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete ALL of the following Courses:
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavior Sciences

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core

Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CEG111 - Introduction to GIS and GNSS (4 cr)
- CEG115 - Introduction to Tech & Sustainability (3 cr)
- CEG211 - Hydrology & Erosion Control (3 cr)
- DFT151 - CAD I (3 cr)
- SRV110 - Surveying I (4 cr)

Concentration/Pathway Hours

Program Major
Type
Completion Requirement

Program Major

Complete ALL of the following Courses:

- CEG212 - Introduction to Environmental Technology (3 cr)
- CEG230 - Subdivision Planning & Design (3 cr)
- CHM151 - General Chemistry I (4 cr)
- CIV111 - Soils and Foundations (4 cr)
- ENV226 - Environmental Law (3 cr)
- EGR250 - Statics/Strength of Mater (5 cr)

Other Major Hours - Required

Other Major Hours- Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- SRV111 - Surveying II (4 cr)
- ENV214 - Water Quality (4 cr)
- ENV210 - Management of Waste (4 cr)

ENV or BIO

Complete at least 1 of the following:

Environmental

Complete ALL of the following Courses:

- ENV110 - Environmental Science (3 cr)

OR

Biological

Complete ALL of the following Courses:

- BIO140 - Environmental Biology (3 cr)
- BIO140A - Environmental Biology Lab (1 cr)

Other Required Courses

ACA
Type
Completion Requirement

College Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
74 - 75

Year	Semester	Actual Credits
Year 1	Fall 1	16

Requirement Select

- ACA122 - College Transfer Success
  OR
- MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select

- CEG111 - Introduction to GIS and GNSS
  OR
- CEG115 - Introduction to Tech & Sustainability
  OR
- EGR125 - Applications Software for Technology
  OR
- EGR150 - Introduction to Engineering

Minimum Grade	C
Area	Major
Actual Credits	11

Year	Semester	Actual Credits
Year 1	Spring 1	18

Requirement Select

- ECO251 - Principles of Microeconomics
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	6

Requirement Select

- DFT151 - CAD I
  OR
- EGR250 - Statics/Strength of Mater
  OR
- SRV110 - Surveying I

Minimum Grade	C
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Summer	7

Requirement Select

- CEG211 - Hydrology & Erosion Control
  OR
- SRV111 - Surveying II

Minimum Grade	C
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 2	Fall 2	16 - 17

Requirement Select

- CEG212 - Introduction to Environmental Technology
  OR
- ENV214 - Water Quality

Minimum Grade	C
Area	Major
Actual Credits	7

Requirement Select

- PHI240 - Introduction to Ethics
  OR
- CHM151 - General Chemistry I

Minimum Grade	D
Area	General Education
Actual Credits	6

Requirement Select

- ENV 110 Environmental Science or BIO 140 and BIO 140A (Milestone)

Minimum Grade	C
Area	Major
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Spring 2	17

Requirement Select

- CIV111 - Soils and Foundations
  OR
- CEG230 - Subdivision Planning & Design
  OR
- ENV210 - Management of Waste
  OR
- ENV226 - Environmental Law

Minimum Grade	C
Area	Major
Actual Credits	14

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting
  OR
- COM231 - Public Speaking

Minimum Grade	C
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
20	54 - 55
Total Minor Credits	**Total Elective Credits**
0	0

A40200 - Electronics Engineering Technology - AAS

Overview

Program Title
Electronics Engineering Technology - AAS

Program Code
A40200

Degree Designation
Associate in Applied Science

Department
Engineering Programs

Minimum Required Credit Hours
66

Description

Program Description
Engineering and Technology Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Coursework includes mathematics, natural sciences, engineering sciences, and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

Electronics Engineering Technology program description: A course of study that prepares students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems. Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers. Graduates should qualify for employment as an electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, or production control technician.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 115 or 122 and EGR 150 should also be completed in the first semester.

This pathway does not meet the entrance requirements at any of the North Carolina public University Bachelor of Science Engineering programs. Students wishing to pursue a transfer should seek an Associate in Engineering degree.

Courses requiring a minimum grade of "C": ACA, EGR, ELC, ELN, ISC, MAT, MEC, and MNT.

Program Learning Outcomes (PLO's)

PLO Short Name Resolve common technical problems	Resolve common electronics technical problems using standard test equipment.
PLO Short Name Construct programs	Construct basic automation programs.
PLO Short Name Utilize hardware	Utilize electronic hardware in several environments.
PLO Short Name Analyze electrical circuits	Analyze basic electrical circuits to predict voltage, current, resistance, and power levels at various points in the circuit, and to compare predictions against actual circuit measurements.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ANY of the following Courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)

- ENG114 - Professional Research & Reporting (3 cr)

Humanities

Complete ALL of the following Courses:

- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Sciences

Complete ALL of the following Courses:

- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:

- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:

- ELC131 - Circuit Analysis I (4 cr)
- ELN131 - Analog Electronics I (4 cr)
- ELN133 - Digital Electronics (4 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Requirements

Complete ALL of the following Courses:

- ELC128 - Intro to PLC (3 cr)
- ELC228 - Programmable Logic Controllers Applications (4 cr)
- ELN232 - Introduction to Microprocessors (4 cr)
- ELN234 - Communication Systems (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- ELC117 - Motors and Controls (4 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC276 - Capstone Design Project (1 cr)
- MNT160 - Industrial Fabrication (2 cr)
- PHY151 - College Physics I (4 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Electives List

Earn at least 5 credits from the following:

- ATR211 - Robot Programming (3 cr)
- CSC134 - C++ Programming (3 cr)
- CSC151 - JAVA Programming (3 cr)
- ELC213 - Instrumentation (4 cr)
- ISC132 - Manufacturing Quality Control (3 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MEC155 - Environmentally Benign Manufacturing (3 cr)
- NET125 - Introduction to Networks (3 cr)
- NOS120 - Linux Single User (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)
- WEB151 - Mobile Application Development I (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66 - 67

Year	Semester	Actual Credits
Year 1	Fall 1	15

Requirement Select
- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade	C
Area	General Education
Actual Credits	1

Requirement Select
- EGR150 - Introduction to Engineering
- **AND** ELC131 - Circuit Analysis I
- **AND** ELN133 - Digital Electronics

Minimum Grade	C
Area	Major
Actual Credits	10

Requirement Select
- MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring 1	15

Requirement Select
- EGR125 - Applications Software for Technology
- **AND** ELC117 - Motors and Controls
- **AND** ELN131 - Analog Electronics I
- **AND** MNT160 - Industrial Fabrication

Minimum Grade	C
Area	Major
Actual Credits	12

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	7

Requirement Select
- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- PHY151 - College Physics I

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Fall 2	14 - 15

Requirement Select
- ELC128 - Intro to PLC
- **AND** ELN232 - Introduction to Microprocessors
- **AND** ISC112 - Industrial Safety

Minimum Grade	C
Area	Major
Actual Credits	14 - 15

Requirement Select
- Select 5-6 credits from Electives (Generic)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 2	Spring 2	15

Requirement Select
- ELC228 - Programmable Logic Controllers Applications
- **AND** ELN234 - Communication Systems
- **AND** MEC276 - Capstone Design Project

Minimum Grade	C
Area	Major
Actual Credits	9

Requirement Select

- ECO251 - Principles of Microeconomics
  OR
- PHI240 - Introduction to Ethics

Minimum Grade	D
Area	General Education
Actual Credits	6

Total General Education Credits	Total Major Credits
17	49 - 50
Total Minor Credits	**Total Elective Credits**
0	0

A40320 - Mechanical Engineering Technology - AAS

Overview

Program Title	Program Code
Mechanical Engineering Technology - AAS	A40320
Degree Designation	**Department**
Associate in Applied Science	Engineering Programs

Description

Program Description

Engineering and Technology Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Coursework includes mathematics, natural sciences, engineering sciences, and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial technology managers, or research technicians.

Mechanical Engineering Technology program description: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype, and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning, and problem-solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, BPR, DFT, EGR, ELC, ISC, MAC, MAT, MEC, and PLA.

This pathway does not meet the entrance requirements at any of the North Carolina public University Bachelor of Science Engineering programs. Students wishing to pursue a transfer should seek an Associate in Engineering degree.

Program Learning Outcomes (PLO's)

PLO Short Name engineering applications	Utilize engineering software to solve mathematical-based engineering applications.
PLO Short Name Techniques & Skills	Use the techniques, skills, and modern engineering tools necessary for engineering practice.
PLO Short Name Understand Design Project	Complete an original, comprehensive design project.
PLO Short Name Troubleshooting common issues	Resolve common mechanical and electromechanical troubleshooting issues using standard test equipment.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Public Speaking

Complete ALL of the following Courses:
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete ALL of the following Courses:
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Requirements

Complete ALL of the following Courses:
- DFT154 - Introduction to Solid Modeling (3 cr)
- DFT170 - Engineering Graphics (3 cr)
- EGR250 - Statics/Strength of Mater (5 cr)
- HYD110 - Hydraulics/Pneumatics I (3 cr)
- MEC145 - Manufacturing Materials I (3 cr)
- PHY151 - College Physics I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Major Hours Requirements

Complete ALL of the following Courses:
- BPR111 - Print Reading (2 cr)
- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ISC220 - Lean Manufacturing (3 cr)
- ISC112 - Industrial Safety (2 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MEC260 - Fundamentals of Machine Design (3 cr)
- MEC276 - Capstone Design Project (1 cr)
- PLA110 - Introduction to Plastics (2 cr)

- PLA162 - Plastics Manuf Processes (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Major Electives

Complete at least 1 of the following courses:

- CHM151 - General Chemistry I (4 cr)
- EGR130 - Engineering Cost Control (3 cr)
- ISC132 - Manufacturing Quality Control (3 cr)
- LOG110 - Introduction to Logistics (3 cr)
- LOG125 - Transportation Logistics (3 cr)
- LOG215 - Supply Chain Management (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MEC130 - Mechanisms (3 cr)
- MEC155 - Environmentally Benign Manufacturing (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
71 - 74

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- BPR111 - Print Reading
  OR
- DFT170 - Engineering Graphics
  OR
- EGR150 - Introduction to Engineering
  OR
- ELC131 - Circuit Analysis I

Minimum Grade	C
Area	Major
Actual Credits	11

Requirement Select

- ACA122 - College Transfer Success
  OR
- MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Year	Semester	Actual Credits
Year 1	Spring	16

Requirement Select

- DFT154 - Introduction to Solid Modeling
  OR
- EGR125 - Applications Software for Technology
  OR
- ISC112 - Industrial Safety
  OR
- MEC145 - Manufacturing Materials I

Minimum Grade	C
Area	Major
Actual Credits	10

Requirement Select

- ENG111 - Writing and Inquiry
  OR
- COM231 - Public Speaking

Minimum Grade	D
Area	General Education
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	8 - 11

Requirement Select

- ENG112 or ENG114 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- PHY151 - College Physics I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- 1-4 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	1 - 4

Year	Semester	Actual Credits
Year 2	Fall	16

Requirement Select

- EGR250 - Statics/Strength of Mater
  OR
- ELC128 - Intro to PLC
  OR
- HYD110 - Hydraulics/Pneumatics I
  OR
- ISC220 - Lean Manufacturing
  OR
- MAC114 - Introduction to Metrology

Minimum Grade	C
Area	Major
Actual Credits	16

Year	Semester	Actual Credits
Year 2	Spring	15

Requirement Select

- MEC260 - Fundamentals of Machine Design
  OR
- MEC276 - Capstone Design Project
  OR
- PLA110 - Introduction to Plastics
  OR
- PLA162 - Plastics Manuf Processes

Minimum Grade	C
Area	Major
Actual Credits	9

Requirement Select

- ECO251 - Principles of Microeconomics
  OR
- PHI240 - Introduction to Ethics

Minimum Grade	D
Area	General Education
Actual Credits	6

Total General Education Credits	Total Major Credits
20	50
Total Minor Credits	**Total Elective Credits**
0	1 - 4

A40320PR - Mechanical Engineering Technology – Pre-Engineering - AAS

Overview

Program Title
Mechanical Engineering Technology – Pre-Engineering - AAS

Program Code
A40320PR

Degree Designation
Associate in Applied Science

Department
Engineering Programs

Description

Program Description
This program focuses on maximizing transferability to Western Carolina University's BS in Engineering Technology-Technical Operations (ETO) pathway. Students planning to transfer to any other four-year Engineering Technology Program must contact the admissions office at the receiving institution to determine which courses should be completed prior to transfer.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, CHM, COM, DFT, EGR, HYD, ISC, MAT, MEC, and PHY,

This pathway does not meet the entrance requirements at any of the North Carolina public Bachelor of Science Engineering programs. Students wishing to pursue an Engineering Science transfer should seek an Associate in Engineering degree.

Program Learning Outcomes (PLO's)

PLO Short Name Engineering Software	Utilize engineering software to solve mathematical-based engineering applications.
PLO Short Name Engineering Practice	Use the techniques, skills, and modern engineering tools necessary for engineering practice.
PLO Short Name Project	Complete an original, comprehensive design project.
PLO Short Name Troubleshooting Knowledge	Resolve common mechanical and electromechanical troubleshooting issues using standard test equipment.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Public Speaking

Complete ALL of the following Courses:
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sci

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Mathematics

Complete ALL of the following Courses:

- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Requirements

Complete ALL of the following Courses:

- DFT154 - Introduction to Solid Modeling (3 cr)
- DFT170 - Engineering Graphics (3 cr)
- EGR250 - Statics/Strength of Mater (5 cr)
- HYD110 - Hydraulics/Pneumatics I (3 cr)
- MEC145 - Manufacturing Materials I (3 cr)
- PHY151 - College Physics I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Major Hours requirments

Complete ALL of the following Courses:

- CHM151 - General Chemistry I (4 cr)
- EGR150 - Introduction to Engineering (2 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ISC112 - Industrial Safety (2 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MEC260 - Fundamentals of Machine Design (3 cr)
- MEC276 - Capstone Design Project (1 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Major Electives

Earn at least 4 credits from the following:

- BPR111 - Print Reading (2 cr)
- EGR125 - Applications Software for Technology (2 cr)
- ISC220 - Lean Manufacturing (3 cr)
- MAC114 - Introduction to Metrology (2 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
61

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA122 - College Transfer Success
  OR
- MAT171 - Precalculus Algebra
  OR
- ELC131 - Circuit Analysis I

Minimum Grade	C
Area	General Education
Actual Credits	9

Requirement Select

- DFT170 - Engineering Graphics
  OR
- EGR150 - Introduction to Engineering
  OR
- ISC112 - Industrial Safety

Minimum Grade	C
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Spring	13

Requirement Select

- DFT154 - Introduction to Solid Modeling
  OR
- MAT172 - Precalculus Trigonometry
  OR
- MEC145 - Manufacturing Materials I

Minimum Grade	C
Area	Major
Actual Credits	10

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- COM231 - Public Speaking

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- ENG112 or ENG114 (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	12

Requirement Select

- EGR250 - Statics/Strength of Mater
  OR
- HYD110 - Hydraulics/Pneumatics I
  OR
- PHY151 - College Physics I
  OR
- CHM151 - General Chemistry I

Minimum Grade	C
Area	Major
Actual Credits	12

Requirement Select

- 4 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 2	Spring	14

Requirement Select

- MAT271 - Calculus I
  OR
- MEC260 - Fundamentals of Machine Design
  OR
- MEC276 - Capstone Design Project

Minimum Grade	C
Area	Major
Actual Credits	8

Requirement Select

- 3 Credits must be selected from the list of Humanities Elective (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- 3 Credits must be selected from the list of Social/ Behavioral Science Elective (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
24	37
Total Minor Credits	**Total Elective Credits**
0	0

A40350 - Mechatronics Engineering Technology - AAS

Overview

Program Title
Mechatronics Engineering Technology - AAS

Program Code
A40350

Degree Designation
Associate in Applied Science

Department
Engineering Programs

Minimum Required Credit Hours
68

Description

Program Description
This curriculum is designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Coursework includes mathematics, natural sciences, engineering sciences, and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial technology managers, or research technicians.

Mechatronics Engineering Technology program description: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servo mechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis, and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, ATR, BPR, DFT, EGR, ELC, ISC, MAC, MEC, and MAT.

This pathway does not meet the entrance requirements at any of the North Carolina public University Bachelor of Science Engineering programs. Students wishing to pursue a transfer should seek an Associate in Engineering degree.

Program Learning Outcomes (PLO's)

PLO Short Name Troubleshooting Issues	Resolve common electromechanical troubleshooting issues using standard test equipment.

PLO Short Name Automation Programs	Construct basic automation programs.

PLO Short Name Engineering software	Utilize engineering software to solve mathematical-based engineering applications.

PLO Short Name Design Tools	Utilize computer-aided drafting or design tools to prepare graphical representations of mechanical or electromechanical systems

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete ALL of the following Courses:

- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:

- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete ALL of the following Courses:

- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Software

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- DFT170 - Engineering Graphics (3 cr)
- EGR125 - Applications Software for Technology (2 cr)
- ELC117 - Motors and Controls (4 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ELC213 - Instrumentation (4 cr)
- HYD110 - Hydraulics/Pneumatics I (3 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC130 - Mechanisms (3 cr)
- PHY151 - College Physics I (4 cr)

Other Major Hours - Required

Major Hours
Type
Completion Requirement

Automation

Complete ALL of the following Courses:

- ATR211 - Robot Programming (3 cr)
- ATR219 - Automation Troubleshooting (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- BPR111 - Print Reading (2 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MEC276 - Capstone Design Project (1 cr)
- ISC220 - Lean Manufacturing (3 cr)

Other Major Hours - Electives List

Major Hours - Electives
Type
Completion Requirement

Major Electives

Complete at least 1 of the following courses:

- CSC134 - C++ Programming (3 cr)
- EGR115 - Intro to Technology (3 cr)
- EGR115A - Introduction to Technology Lab (1 cr)
- EGR130 - Engineering Cost Control (3 cr)
- ELC228 - Programmable Logic Controllers Applications (4 cr)
- ISC131 - Quality Management (3 cr)
- ISC132 - Manufacturing Quality Control (3 cr)
- ISC170 - Problem-Solving Skills (3 cr)
- ISC222 - Project Planning/Control (2 cr)
- LOG110 - Introduction to Logistics (3 cr)
- LOG125 - Transportation Logistics (3 cr)
- LOG215 - Supply Chain Management (3 cr)
- MAC118 - Machine Shop Basic (2 cr)
- MAC141 - Machining Applications I (4 cr)
- MAC171 - Measure/Material & Safety (1 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT271 - Calculus I (4 cr)
- MEC155 - Environmentally Benign Manufacturing (3 cr)
- MNT110 - Introduction to Maintenance Procedures (2 cr)
- MNT160 - Industrial Fabrication (2 cr)
- NET125 - Introduction to Networks (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- ELN133 - Digital Electronics (4 cr)

Additional Comments:
Select 1 -4 credits

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Courses

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name

Recommended Course Sequence

Total Degree Map Credits

68 - 71

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select

- DFT170 - Engineering Graphics
- **AND** EGR150 - Introduction to Engineering
- **AND** ELC131 - Circuit Analysis I
- **AND** MAC114 - Introduction to Metrology

Minimum Grade	C
Area	Major
Actual Credits	11

Year	Semester	Actual Credits
Year 1	Spring	15 - 18

Requirement Select

- ATR112 - Introduction to Automation
- **AND** EGR125 - Applications Software for Technology
- **AND** ELC117 - Motors and Controls
- **AND** ISC112 - Industrial Safety

Minimum Grade	C
Area	Major
Actual Credits	12 - 15

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- Take 1-4 credits from the program electives list (Generic)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 1	Summer	7

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- PHY151 - College Physics I

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select

- ATR211 - Robot Programming
- **AND** BPR111 - Print Reading
- **AND** ELC128 - Intro to PLC
- **AND** HYD110 - Hydraulics/Pneumatics I
- **AND** ISC220 - Lean Manufacturing

Minimum Grade	C
Area	Major
Actual Credits	14

Year	Semester	Actual Credits
Year 2	Spring	16

Requirement Select

- ATR219 - Automation Troubleshooting
- **AND** ELC213 - Instrumentation
- **AND** MEC130 - Mechanisms
- **AND** MEC276 - Capstone Design Project

Minimum Grade	C
Area	Major
Actual Credits	10

Requirement Select

- ECO251 - Principles of Microeconomics
- **AND** PHI240 - Introduction to Ethics

Minimum Grade	D
Area	General Education
Actual Credits	6

Total General Education Credits	Total Major Credits
17	51 - 54
Total Minor Credits	**Total Elective Credits**
0	0

A45110RB - Associate Degree Nursing - RIBN Program (BRCC/WCU) AAS

Overview

Program Title
Associate Degree Nursing - RIBN Program (BRCC/WCU) AAS

Program Code
A45110RB

Degree Designation
Associate in Applied Science

Department
Healthcare Programs

Minimum Required Credit Hours
70

Description

Program Description
The Regionally Increasing Baccalaureate Nurses (RIBN) program is a seamless pathway from the Associate Degree in Nursing (ADN) to the Bachelors of Science in Nursing (BSN) degree. The RIBN curriculum comprises four years in nursing studies. Students graduate with both an Associate in Applied Science Degree in Nursing (ADN) from Blue Ridge Community College and a Bachelors of Science in Nursing (BSN) degree from Western Carolina University (WCU). Students are dually admitted to both Blue Ridge and WCU for the first three years of the program and at WCU for the final year. Students must be actively enrolled in a course through WCU at least once every three semesters to remain active in the RIBN program.

Students are eligible to apply to take the National Council Licensure Examination (NCLEX-RN) after graduation from the ADN program at Blue Ridge. Prior to beginning the RIBN program, students will successfully complete the non-credit University Experience (UE101) course through WCU. Throughout the RIBN program, student must comply with all applicable Academic Regulations as listed in The Record, the WCU Undergraduate Catalog.

This curriculum complies with the standard approved by the NC State Board of Community Colleges.

There are special admission procedures for the RIBN program. Contact Student Services for additional information.

Program Learning Outcomes (PLO's)

PLO Short Name Demonstrate professional nursing behaviors	Demonstrate professional nursing behaviors incorporating personal responsibility and accountability for continued competence.

PLO Short Name Communicate effectively	Collaborate effectively with individuals, families, and members of the healthcare team to achieve positive individual and organizational outcomes.

PLO Short Name Provide holistic assessments	Provide holistic assessments of individuals and families and record and report results of these assessments.

PLO Short Name Formulate clinical judgements	Formulate evidence-based clinical judgments and management decisions.

PLO Short Name Provide safe and effective nursing care	Provide safe and effective nursing care across the lifespan to culturally diverse individuals and families incorporating documented best practices.

PLO Short Name Develop a teaching plan	Develop a teaching plan for individuals and/or the nursing team.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)

Social/Behavioral Science

Complete ALL of the following Courses:
- PSY150 - General Psychology (3 cr)

Natural Science

Complete ALL of the following Courses:
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Nursing Technical Core

Complete ALL of the following Courses:
- NUR111 - Introduction to Health Concepts (8 cr)
- NUR112 - Health-Illness Concepts (5 cr)
- NUR113 - Family Health Concepts (5 cr)
- NUR114 - Holistic Health Concepts (5 cr)
- NUR211 - Health Care Concepts (5 cr)
- NUR212 - Health System Concepts (5 cr)
- NUR213 - Complex Health Concepts (10 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Microbiology Required

Complete at least 1 of the following courses:
- BIO175 - General Microbiology (3 cr)
- BIO275 - Microbiology (4 cr)

Psychology Requirement

Complete ALL of the following Courses:
- PSY241 - Developmental Psychology (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Additional Comments:
Additional Courses required by WCU and offered at Blue Ridge include:

MAT-152 or MAT-171, CHM -130/130A or CHM-131/131A or CHM 151, and HEA-110 or PED-110.

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
74

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select
- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry
- **AND** BIO168 - Anatomy and Physiology I
- **AND** NUR111 - Introduction to Health Concepts

Minimum Grade	C
Area	General Education
Actual Credits	16

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select
- BIO169 - Anatomy and Physiology II
- **AND** NUR112 - Health-Illness Concepts
- **AND** NUR211 - Health Care Concepts
- **AND** PSY150 - General Psychology

Minimum Grade	C
Area	General Education
Actual Credits	17

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select
- BIO275 - Microbiology
- **AND** NUR114 - Holistic Health Concepts
- **AND** PSY241 - Developmental Psychology

Minimum Grade	C
Area	General Education
Actual Credits	12

Year	Semester	Actual Credits
Year 2	Fall	19

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	C
Area	General Education
Actual Credits	6

Requirement Select

- NUR113 - Family Health Concepts
- **AND** NUR212 - Health System Concepts

Minimum Grade	C
Area	General Education
Actual Credits	10

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	-
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	10

Requirement Select

- NUR213 - Complex Health Concepts

Minimum Grade	C
Area	General Education
Actual Credits	10

Total General Education Credits	Total Major Credits
71	0
Total Minor Credits	**Total Elective Credits**
0	0

A45110RN - Associate Degree Nursing - AAS

Overview

Program Title
Associate Degree Nursing - AAS

Program Code
A45110RN

Degree Designation
Associate in Applied Science

Department
Healthcare Programs

Minimum Required Credit Hours
70

Description

Program Description
The Associate Degree Nursing Program is approved by the North Carolina State Board of Nursing. Graduates of this program are eligible to apply to take the National Council Licensing Examination (NCLEX-RN), which is the national licensing exam for registered nurses. Upon completion of this program, the graduate nurse will demonstrate professional nursing behaviors incorporating personal responsibility and accountability for continued competence, collaborate effectively with individuals, families, and members of the healthcare team to achieve positive individual and organizational outcomes, provide holistic assessments of individuals and record and report the results of these assessments, formulate evidence-based clinical judgments and management decisions, provide safe and effective nursing care across the lifespan to culturally diverse individuals and families incorporating documented best practices, and develop a teaching plan for individuals and/or the nursing team. Throughout the curriculum students acquire knowledge, skills, and strategies necessary for the entry level registered nurse to practice in a dynamic environment and to meet healthcare needs of individuals and families.

There are special admission procedures for the Associate Degree Nursing program including, but not limited to, completing a high school or college level chemistry and biology course with a grade of 'C' or better, and verification of listing on the North Carolina Nurse Aide Registry. Applicants must also complete the ATI Test of Essential Academic Skills (TEAS) exam with a composite score of 67 or higher.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information. A course fee is required for all NUR prefix courses.
The Associate Degree Nursing Program at Blue Ridge Community College, located in Flat Rock, NC is accredited by the Accreditation Commission for Education in Nursing (ACEN).

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

View the public information disclosed by the ACEN regarding this program on the ACEN website: https://www.acenursing.org/search-programs.

Program Learning Outcomes (PLO's)

PLO Short Name Demonstrate professional nursing behaviors	Demonstrate professional nursing behaviors incorporating personal responsibility and accountability for continued competence.
PLO Short Name Communicate effectively	Collaborate effectively with individuals, families, and members of the healthcare team to achieve positive individual and organizational outcomes.
PLO Short Name Provide holistic assessments	Provide holistic assessments of individuals and families and record and report results of these assessments.
PLO Short Name Formulate clinical judgements	Formulate evidence-based clinical judgments and management decisions.
PLO Short Name Provide safe and effective nursing care	Provide safe and effective nursing care across the lifespan to culturally diverse individuals and families incorporating documented best practices.
PLO Short Name Develop a teaching plan	Develop a teaching plan for individuals and/or the nursing team.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Science

Complete ALL of the following Courses:
- PSY150 - General Psychology (3 cr)

Natural Science

Complete ALL of the following Courses:
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Nursing Core

Complete ALL of the following Courses:
- NUR111 - Introduction to Health Concepts (8 cr)
- NUR112 - Health-Illness Concepts (5 cr)
- NUR113 - Family Health Concepts (5 cr)
- NUR114 - Holistic Health Concepts (5 cr)
- NUR211 - Health Care Concepts (5 cr)
- NUR212 - Health System Concepts (5 cr)
- NUR213 - Complex Health Concepts (10 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Microbiology Required

Complete at least 1 of the following courses:

- BIO175 - General Microbiology (3 cr)
- BIO275 - Microbiology (4 cr)

PSY-241

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
71

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry
- **AND** BIO168 - Anatomy and Physiology I
- **AND** NUR111 - Introduction to Health Concepts

Minimum Grade C
Area General Education
Actual Credits 16

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- BIO169 - Anatomy and Physiology II
- **AND** NUR112 - Health-Illness Concepts
- **AND** NUR211 - Health Care Concepts
- **AND** PSY150 - General Psychology

Minimum Grade C
Area General Education
Actual Credits 17

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select

- BIO275 - Microbiology
- **AND** NUR114 - Holistic Health Concepts
- **AND** PSY241 - Developmental Psychology

Minimum Grade C
Area General Education
Actual Credits 12

Year	Semester	Actual Credits
Year 2	Fall	16

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade C
Area General Education
Actual Credits 3

Requirement Select

- Humanities (AAS)

Minimum Grade C
Area General Education
Actual Credits 3

Requirement Select

- NUR113 - Family Health Concepts
- **AND** NUR212 - Health System Concepts

Minimum Grade C
Area General Education
Actual Credits 10

Year	Semester	Actual Credits
Year 2	Spring	10

Requirement Select

- NUR213 - Complex Health Concepts

Minimum Grade C
Area General Education
Actual Credits 10

Total General Education Credits 71
Total Major Credits 0
Total Minor Credits 0
Total Elective Credits 0

A45340 - Emergency Medical Science - AAS

Overview

Program Title
Emergency Medical Science - AAS

Program Code
A45340

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Minimum Required Credit Hours
66

Description

Program Description
The Emergency Medical Science curriculum is designed to prepare graduates to enter the workforce as paramedics. Additionally, the program can provide an Associate Degree for individuals desiring an opportunity for career enhancement. The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, hospital clinical experience, and field internships with emergency medical service agencies.

The Emergency Medical Science Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756; Phone: 727-210-2350; Fax:727-210-2354; caahep.org by the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP), Suite 111-312, 8301 Lakeview Parkway, Rowlett, TX 75088; Phone: 214-703-8445; Fax: 214-703-8992; coaemsp.org.

Graduates will take the North Carolina Office of Emergency Medical Services (NCOEMS) examination for recognition as a paramedic. Graduates will also be eligible to take the National Registry of Emergency Medical Technicians (NREMT) examination. Employment opportunities include ambulance services, fire and rescue agencies, air medical services, specialty areas of hospitals, industry, physician's offices, educational institutions, and government agencies.

Students should have good physical strength and flexibility; be able to see, hear, and communicate well; and have strong critical thinking skills. Blue Ridge Community College's clinical site partners require criminal background checks, drug testing, and tuberculosis screening along with proof of immunizations.

Students applying for admission to the Blue Ridge Emergency Medical Science program will be placed into the General Occupational Technology - Preparamedic program until program prerequisites are met and/or verified. At a minimum students will be required to have:

A high school diploma or high school equivalency.

Successful completion of college-level English, or within the previous 12 months complete a written assessment placing the individual into college-level English.

Successful completion of college-level Math, or within the previous 12 months complete a written assessment placing the individual into college-level Math.

Possession of a valid and active North Carolina EMT Credential, NREMT, or other states EMS Credential.

****In addition, it is highly recommended that students complete their Anatomy and Physiology coursework (BIO-168 &169, or BIO-163) before starting the paramedic course sequence.

Program Costs: In addition to tuition and textbooks, costs of this program include the following: EMS Testing, FISDAP Clinical Competency Tracking, uniforms (shirts, pants, shoes, and jacket), stethoscope, physical examination, immunizations/records, criminal background check, and drug screening.

Students are responsible for their own transportation to and from all clinical, laboratory, and class activities. Clinical and EMS field internship experiences may be scheduled morning, afternoons, evenings, and weekends.

This curriculum complies with the standard approved by the State Board of Community Colleges. Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

The course sequence below assumes the student has completed their college-level math (MAT-143, or 152), college-level English (ENG-111), ACA-115, their anatomy and physiology course(s) (BIO 168 & 169, or BIO 163), and their EMS-110 course (see prerequisites above) before starting the Paramedic Course Sequence. (21 - 25 credits)

Program Learning Outcomes (PLO's)

PLO Short Name PLO-1	Indicate an entry-level cognitive competency of the material required in national and State paramedic educational standards and guidelines.

PLO Short Name PLO-2	Demonstrate entry-level proficiency in the application of paramedic assessment and treatment skills in medical and traumatic emergencies.

PLO Short Name PLO-3	Interact appropriately with emergency personnel, healthcare providers, patients, and bystanders.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications II

Complete ANY of the following Courses:
- ENG114 - Professional Research & Reporting (3 cr)
- COM231 - Public Speaking (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Science

Complete at least 1 of the following courses:
- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Communications I

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- EMS110 - EMT (9 cr)
- EMS122 - EMS Clinical Practicum I (1 cr)
- EMS130 - Pharmacology (4 cr)
- EMS131 - Advanced Airway Management (2 cr)
- EMS160 - Cardiology I (3 cr)
- EMS220 - Cardiology II (3 cr)
- EMS221 - EMS Clinical Practicum II (2 cr)
- EMS231 - EMS Clinical Practicum III (3 cr)
- EMS240 - Patients with Special Challenges (2 cr)
- EMS241 - EMS Clinical Practicum IV (4 cr)
- EMS250 - Medical Emergencies (4 cr)
- EMS260 - Trauma Emergencies (2 cr)
- EMS270 - Life Span Emergencies (4 cr)
- EMS285 - EMS Capstone (2 cr)

Biology Requirement

Complete ALL of the following Courses:
- BIO163 - Basic Anatomy & Physiology (5 cr)

Other Required Courses

ACA
Type
Completion Requirement

Complete ANY of the following Courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
66 - 67

Year	Semester	Actual Credits
Year 1	Fall 1	7 - 8

Requirement Select

- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade	C
Area	General Education
Actual Credits	1

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	-
Area	-
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting
  OR
- COM231 - Public Speaking

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- POL130 - State & Local Government
  OR
- POL120 - American Government

Minimum Grade	-
Area	-
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	14

Requirement Select

- BIO163 - Basic Anatomy & Physiology
- **AND** EMS110 - EMT

Minimum Grade	C
Area	Major
Actual Credits	14

Year	Semester	Actual Credits
Year 1	Summer	3

Requirement Select

- Humanities (AAS)

Minimum Grade	C
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	10

Requirement Select

- EMS122 - EMS Clinical Practicum I
- **AND** EMS130 - Pharmacology
- **AND** EMS131 - Advanced Airway Management
- **AND** EMS160 - Cardiology I

Minimum Grade	C
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 2	Spring 1	2

Requirement Select

- EMS260 - Trauma Emergencies

Minimum Grade	C
Area	Major
Actual Credits	2

Year	Semester	Actual Credits
Year 2	Spring 2	2

Requirement Select

- EMS240 - Patients with Special Challenges

Minimum Grade	C
Area	Major
Actual Credits	2

Year	Semester	Actual Credits
Year 2	Spring	5

Requirement Select

- EMS220 - Cardiology II
- **AND** EMS221 - EMS Clinical Practicum II

Minimum Grade	C
Area	Major
Actual Credits	5

Year	Semester	Actual Credits
Year 2	Summer	11

Requirement Select

- EMS231 - EMS Clinical Practicum III
- **AND** EMS250 - Medical Emergencies
- **AND** EMS270 - Life Span Emergencies

Minimum Grade	C
Area	Major
Actual Credits	11

Year	Semester	Actual Credits
Year 3	Fall	6

Requirement Select

- EMS241 - EMS Clinical Practicum IV
- **AND** EMS285 - EMS Capstone

Minimum Grade	C
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
7	50
Total Minor Credits	**Total Elective Credits**
0	0

A45340B - Emergency Medical Science - Paramedic Degree completion

Overview

Program Title
Emergency Medical Science - Paramedic Degree completion

Program Code
A45340B

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
69

Description

Program Description
The Emergency Medical Science bridge program has been established for students that have completed portions of their EMS requirements through a North Carolina community college continuing education program. In order to receive curriculum credit for EMS Continuing Education courses, students must hold a current North Carolina PARAMEDIC credential. Students with current NC or National Registry Paramedic Certification will receive credit for (EMS 110, EMS 122, EMS 130, EMS 131, EMS 160, EMS 220, EMS 221, EMS 231, EMS 240, EMS 241, EMS 250, EMS 260, EMS 270)

Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Program Learning Outcomes (PLO's)

PLO Short Name Entry-level Competency	Indicate an entry-level cognitive competency of the material required in national and State paramedic educational standards and guidelines.

PLO Short Name Entry-level Proficiency	Demonstrate entry-level proficiency in the application of paramedic assessment and treatment skills in medical and traumatic emergencies.

PLO Short Name	
Interaction	Interact appropriately with emergency personnel, healthcare providers, patients, and bystanders.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:

- Humanities (AAS)

Social/Behavioral Sci

Complete at least 1 of the following courses:

- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)

Mathematics

Complete at least 1 of the following courses:

- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Communications I

Complete at least 1 of the following courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- COM231 - Public Speaking (3 cr)

Communications II

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Biology

Complete ALL of the following Courses:

- BIO163 - Basic Anatomy & Physiology (5 cr)

EMS

Complete ALL of the following Courses:

- EMS110 - EMT (9 cr)
- EMS122 - EMS Clinical Practicum I (1 cr)
- EMS130 - Pharmacology (4 cr)
- EMS131 - Advanced Airway Management (2 cr)
- EMS160 - Cardiology I (3 cr)
- EMS220 - Cardiology II (3 cr)
- EMS221 - EMS Clinical Practicum II (2 cr)
- EMS231 - EMS Clinical Practicum III (3 cr)
- EMS240 - Patients with Special Challenges (2 cr)
- EMS241 - EMS Clinical Practicum IV (4 cr)
- EMS250 - Medical Emergencies (4 cr)
- EMS260 - Trauma Emergencies (2 cr)
- EMS270 - Life Span Emergencies (4 cr)
- EMS285 - EMS Capstone (2 cr)

Other Major Hours - Required

Major Hours Required
Type
Completion Requirement

EMS Elective

Complete ALL of the following Courses:

- EPT150 - Incident Management (3 cr)

Other Required Courses

Other required Course
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

A45380 - Human Services Technology

Overview

Program Title
Human Services Technology

Program Code
A45380

Degree Designation
Associate in Applied Science

Department
Social and Human Services Programs

Minimum Required Credit Hours
69

Description

Program Description
The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses to prepare them for specialization in specific human service areas. Students will take a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions. Students should work closely with their advisor to make appropriate course choices.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Learning Outcomes (PLO's)

PLO Short Name Anaylze	Analyze the role of the human services worker in a variety of social service settings

PLO Short Name Examine	Examine current social and mental health issues and their impact on society

PLO Short Name Compare and contrast	Compare and contrast a variety of family and multidimensional systems in relation to human behaviors and the environment

PLO Short Name Apply	Apply case management skills, including documentation, assessment, treatment planning, crisis intervention and the ability to make appropriate referrals

PLO Short Name Adhere	Adhere to professional and ethical standards

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications Requirement

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communcations Requirement

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)
- REL110 - World Religions (3 cr)

Social/Behavioral Sciences

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- POL120 - American Government (3 cr)

- POL130 - State & Local Government (3 cr)

Mathematics

Complete ALL of the following Courses:

- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services (3 cr)
- HSE112 - Group Process I (2 cr)
- HSE123 - Interviewing Techniques (3 cr)
- HSE125 - Counseling (3 cr)
- HSE210 - Diversity Ethics and Trends in Human Services (3 cr)
- HSE225 - Crisis and Intervention Principles (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours Required

Complete ALL of the following Courses:

- HSE227 - Children and Adolescence in Crisis (3 cr)
- HSE240 - Issues in Client Services (3 cr)
- SOC213 - Sociology of the Family (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL115 - Work-Based Learning Seminar I (1 cr)

Required Science

Earn at least 4 credits from the following:

- BIO111 - General Biology I (4 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)

Other Major Hours - Electives List

Other Major Hours - Elective List
Type
Completion Requirement

Other Major Hours Elective List

Earn at least 12 credits from the following:

- ASL111 - Elementary ASL I (3 cr)
- PSY281 - Abnormal Psychology (3 cr)
- SAB110 - Substance Abuse Overview (3 cr)
- SAB135 - Addictive Process (3 cr)
- SOC220 - Social Problems (3 cr)
- SPA111 - Elementary Spanish I (3 cr)
- SWK110 - Introduction to Social Work (3 cr)
- SWK113 - Working With Diversity (3 cr)

Only one International Language can be selected from this list.

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
68 - 71

Year	Semester	Actual Credits
Year 1	Fall	16 - 17

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select

- HSE110 - Introduction to Human Services
- **AND** HSE112 - Group Process I
- **AND** SOC210 - Introduction to Sociology

Minimum Grade	D
Area	Major
Actual Credits	8

Requirement Select

- BIO111 - General Biology I
  OR
- BIO163 - Basic Anatomy & Physiology

Minimum Grade	D
Area	Elective
Actual Credits	4 - 5

Year	Semester	Actual Credits
Year 1	Spring	16

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- HSE123 - Interviewing Techniques
- **AND** HSE125 - Counseling
- **AND** SOC213 - Sociology of the Family

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select

- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- PSY150 - General Psychology

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	13 - 14

Requirement Select

- HSE210 - Diversity Ethics and Trends in Human Services
- **AND** HSE240 - Issues in Client Services
- **AND** PSY241 - Developmental Psychology

Minimum Grade	D
Area	Major
Actual Credits	8

Requirement Select

- 5-6 credits must be selected from the list of major course electives (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	5 - 6

Year	Semester	Actual Credits
Year 2	Spring	14 - 15

Requirement Select

- HSE225 - Crisis and Intervention Principles
- **AND** HSE227 - Children and Adolescence in Crisis
- **AND** WBL111 - Work-Based Learning I
- **AND** WBL115 - Work-Based Learning Seminar I

Minimum Grade	D
Area	Major
Actual Credits	8

Requirement Select

- 6-7 credits must be selected from the list of major course electives (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	6 - 7

Total General Education Credits	Total Major Credits
17	36
Total Minor Credits	**Total Elective Credits**
0	15 - 18

A4538D - Human Services Technology - Social Services Concentration

Overview

Program Title
Human Services Technology - Social Services Concentration

Program Code
A4538D

Degree Designation
Associate in Applied Science

Department
Social and Human Services Programs

Minimum Required Credit Hours
69

Description

Program Description
The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses to prepare them for specialization in specific human service areas. Students will take a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions. Students should work closely with their advisor to make appropriate course choices.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Learning Outcomes (PLO's)

PLO Short Name Anaylze	Analyze the role of the human services worker in a variety of social service settings

PLO Short Name Examine	Examine current social and mental health issues and their impact on society

PLO Short Name Compare and contrast	Compare and contrast a variety of family and multidimensional systems in relation to human behaviors and the environment

PLO Short Name Apply	Apply case management skills, including documentation, assessment, treatment planning, crisis intervention and the ability to make appropriate referrals

PLO Short Name Adhere	Adhere to professional and ethical standards

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications Requirement

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communcations Requirement

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)
- REL110 - World Religions (3 cr)

Social/Behavioral Sciences

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- POL120 - American Government (3 cr)

- POL130 - State & Local Government (3 cr)

Mathematics

Complete ALL of the following Courses:

- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services (3 cr)
- HSE112 - Group Process I (2 cr)
- HSE123 - Interviewing Techniques (3 cr)
- HSE125 - Counseling (3 cr)
- HSE210 - Diversity Ethics and Trends in Human Services (3 cr)
- HSE225 - Crisis and Intervention Principles (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Pathway Hours

Complete ALL of the following Courses:

- SWK110 - Introduction to Social Work (3 cr)
- SWK113 - Working With Diversity (3 cr)
- SWK115 - Community Resources (3 cr)
- SWK214 - Social Work Law (3 cr)
- SWK220 - Ethical Considerations in Social Work (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Required Science

Earn at least 4 credits from the following:

- BIO111 - General Biology I (4 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)

Other Major Hours - Required

Complete ALL of the following Courses:

- HSE227 - Children and Adolescence in Crisis (3 cr)
- SOC213 - Sociology of the Family (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL115 - Work-Based Learning Seminar I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
69

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select

- HSE110 - Introduction to Human Services
- **AND** HSE112 - Group Process I
- **AND** SOC210 - Introduction to Sociology

Minimum Grade	D
Area	Major
Actual Credits	8

Requirement Select

- BIO111 - General Biology I
  OR
- BIO163 - Basic Anatomy & Physiology

Minimum Grade	D
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring	16

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- HSE123 - Interviewing Techniques
- **AND** HSE125 - Counseling
- **AND** SOC213 - Sociology of the Family

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select

- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- PSY150 - General Psychology

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select

- HSE210 - Diversity Ethics and Trends in Human Services
- **AND** PSY241 - Developmental Psychology
- **AND** SWK110 - Introduction to Social Work
- **AND** SWK113 - Working With Diversity
- **AND** SWK220 - Ethical Considerations in Social Work

Minimum Grade	D
Area	Major
Actual Credits	14

Year	Semester	Actual Credits
Year 2	Spring	14

Requirement Select

- HSE225 - Crisis and Intervention Principles
- **AND** HSE227 - Children and Adolescence in Crisis
- **AND** SWK115 - Community Resources
- **AND** SWK214 - Social Work Law
- **AND** WBL111 - Work-Based Learning I
- **AND** WBL115 - Work-Based Learning Seminar I

Minimum Grade	D
Area	Major
Actual Credits	14

Total General Education Credits	Total Major Credits
21	48
Total Minor Credits	**Total Elective Credits**
0	0

A4538E - Human Services Technology - Addiction and Recovery Studies Concentration

Overview

Program Title
Human Services Technology - Addiction and Recovery Studies Concentration

Program Code
A4538E

Degree Designation
Associate in Applied Science

Department
Social and Human Services Programs

Minimum Required Credit Hours
69

Description

Program Description
The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses to prepare them for specialization in specific human service areas. Students will take a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions. Students should work closely with their advisor to make appropriate course choices.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Learning Outcomes (PLO's)

PLO Short Name Anaylze	Analyze the role of the human services worker in a variety of social service settings
PLO Short Name Examine	Examine current social and mental health issues and their impact on society
PLO Short Name Compare and contrast	Compare and contrast a variety of family and multidimensional systems in relation to human behaviors and the environment
PLO Short Name Apply	Apply case management skills, including documentation, assessment, treatment planning, crisis intervention and the ability to make appropriate referrals
PLO Short Name Adhere	Adhere to professional and ethical standards

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications Requirement

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communcations Requirement

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)
- REL110 - World Religions (3 cr)

Social/Behavioral Sciences

Complete at least 1 of the following courses:

- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)

Mathematics

Complete ALL of the following Courses:

- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services (3 cr)
- HSE112 - Group Process I (2 cr)
- HSE123 - Interviewing Techniques (3 cr)
- HSE125 - Counseling (3 cr)
- HSE210 - Diversity Ethics and Trends in Human Services (3 cr)
- HSE225 - Crisis and Intervention Principles (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Pathway Hours

Complete ALL of the following Courses:

- SAB110 - Substance Abuse Overview (3 cr)
- SAB120 - Intake and Assessment (3 cr)
- SAB125 - Substance Abuse Case Management (3 cr)
- SAB135 - Addictive Process (3 cr)
- SAB240 - Substance Abuse Issues in Client Service (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL115 - Work-Based Learning Seminar I (1 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Required Science

Earn at least 4 credits from the following:

- BIO111 - General Biology I (4 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)

Other Major Hours - Required

Complete ALL of the following Courses:

- HSE227 - Children and Adolescence in Crisis (3 cr)
- SOC213 - Sociology of the Family (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
69

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- HSE110 - Introduction to Human Services
- **AND** HSE112 - Group Process I
- **AND** SOC210 - Introduction to Sociology

Minimum Grade	D
Area	Major
Actual Credits	8

Requirement Select

- BIO111 - General Biology I
  OR
- BIO163 - Basic Anatomy & Physiology

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	16

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- HSE123 - Interviewing Techniques
- **AND** HSE125 - Counseling
- **AND** SOC213 - Sociology of the Family

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select

- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- HIS111 - World Civilizations I
  OR
- HIS112 - World Civilizations II
  OR
- POL120 - American Government
  OR
- POL130 - State & Local Government

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- PSY150 - General Psychology

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select

- HSE210 - Diversity Ethics and Trends in Human Services
- **AND** PSY241 - Developmental Psychology
- **AND** SAB110 - Substance Abuse Overview
- **AND** SAB120 - Intake and Assessment
- **AND** SAB240 - Substance Abuse Issues in Client Service

Minimum Grade	D
Area	Major
Actual Credits	14

Year	Semester	Actual Credits
Year 2	Spring	14

Requirement Select

- HSE225 - Crisis and Intervention Principles
- **AND** HSE227 - Children and Adolescence in Crisis
- **AND** SAB125 - Substance Abuse Case Management
- **AND** WBL111 - Work-Based Learning I
- **AND** WBL115 - Work-Based Learning Seminar I
- **AND** SAB135 - Addictive Process

Minimum Grade	D
Area	Major
Actual Credits	14

Total General Education Credits	Total Major Credits
21	48
Total Minor Credits	**Total Elective Credits**
0	0

A45740A - Surgical Technology - AAS

Overview

Program Title
Surgical Technology - AAS

Program Code
A45740A

Degree Designation
Associate in Applied Science

Department
Healthcare Programs

Minimum Required Credit Hours
71

Description

Program Description
The Surgical Technology curriculum prepares individuals to assist in the care of the surgical patient in the operating room and to function as a member of the surgical team.

Students will apply theoretical knowledge to the care of patients undergoing surgery and develop skills necessary to prepare supplies, equipment, and instruments; maintain aseptic conditions; prepare patients for surgery; and assist surgeons during operations.

The Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 9355-113th St. N., #7709, Seminole, FL 33775; Phone: 727-210-2350; Fax: 727-210-2354; www.caahep.org by the recommendation of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA), 19751 E. Main Street, Suite 339, Parker, CO 80138; Phone: 303-694-9262; Fax: 303-741-3655; arcstsa.org.

Graduates will take the National Certification Examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) within thirty (30) days of completion. Employment opportunities include labor/delivery/emergency departments, inpatient/outpatient surgery centers, dialysis units/facilities, physician offices, and central supply processing units.

This curriculum complies with the standard approved by the State Board of Community Colleges. Special admission procedures apply to this program. See https://www.blueridge.edu/programs-courses/healthcare/surgical-technology/ for details.

Students may be required to demonstrate college readiness in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information. A course fee is required for all SUR prefix courses.

Students should complete BIO 168 Anatomy/Physiology I and BIO 169 Anatomy/Physiology II beforehand as prerequisites.

Program Learning Outcomes (PLO's)

PLO Short Name Demonstrate management of surgical environment	Demonstrate management of the surgical environment in the preoperative, intraoperative, and postoperative phases.

PLO Short Name Collaborate with patient and surgical team members	Collaborate with patient and surgical team members as evidenced by participation in time-out process, anticipation of surgeon's needs, effective communication, and demonstration of professional comportment.

PLO Short Name Demonstrate mastery of clinical skills	Demonstrate mastery of clinical skills within the operating room environment.

PLO Short Name Complete the surgical technology certification exam	Complete the surgical technology certification exam.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications I

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Communications II

Complete at least 1 of the following courses:

- COM120 - Introduction to Interpersonal Communication (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- DRA112 - Literature of the Theatre (3 cr)
- DRA211 - Theatre History I (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- ENG262 - World Literature II (3 cr)
- HUM123 - Appalachian Culture (3 cr)
- HUM160 - Introduction to Film (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI210 - History of Philosophy (3 cr)
- PHI240 - Introduction to Ethics (3 cr)
- REL110 - World Religions (3 cr)
- REL211 - Introduction to Old Testament (3 cr)
- REL212 - Introduction to New Testament (3 cr)
- REL221 - Religion in America (3 cr)

Social/Behavioral Sciences

Complete at least 1 of the following courses:

- ANT210 - General Anthropology (3 cr)
- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- GEO111 - World Regional Geography (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)
- PSY237 - Social Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- PSY281 - Abnormal Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)
- SOC213 - Sociology of the Family (3 cr)
- SOC220 - Social Problems (3 cr)

Natural Sciences

Complete ALL of the following Courses:

- BIO275 - Microbiology (4 cr)
- BIO175 - General Microbiology (3 cr)

Prerequisite courses.

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- SUR110 - Introduction to Surgical Technology (3 cr)
- SUR111 - Periop Patient Care (7 cr)
- SUR122 - Surgical Procedures I (6 cr)
- SUR123 - Sur Clinical Practice I (7 cr)
- SUR134 - Surgical Procedures II (5 cr)
- SUR135 - SUR Clinical Practice II (4 cr)
- SUR137 - Professional Success Prep (1 cr)
- SUR210 - Clinical Practice (2 cr)
  OR WBL112 - Work-Based Learning I (2 cr)
- SUR211 - Advanced Theoretical Concepts (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Required

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- PSY150 - General Psychology (3 cr)
- SUR212 - SUR Clinical Supplement (4 cr)

Biology Option #1

Take either Biology Option 1 or 2, not both

Complete ALL of the following Courses:

- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Biology Option #2

Take either Biology Option 1 or 2, not both

Complete ALL of the following Courses:

- BIO165 - Anatomy and Physiology I (4 cr)
- BIO166 - Anatomy and Physiology II (4 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
72

Year	Semester	Actual Credits
Year 1	Fall	25

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry

Minimum Grade C
Area General Education
Actual Credits 4

Requirement Select

- BIO168 - Anatomy and Physiology I
- **AND** BIO169 - Anatomy and Physiology II

Minimum Grade C
Area General Education
Actual Credits 8

Requirement Select

- CIS110 - Introduction to Computers
- **AND** SUR110 - Introduction to Surgical Technology
- **AND** SUR111 - Periop Patient Care

Minimum Grade -
Area Major
Actual Credits 13

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- BIO275 - Microbiology
- **AND** SUR122 - Surgical Procedures I
- **AND** SUR123 - Sur Clinical Practice I

Minimum Grade C
Area Major
Actual Credits 17

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- SUR134 - Surgical Procedures II
- **AND** SUR135 - SUR Clinical Practice II

Minimum Grade	C
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Fall	12

Requirement Select

- SUR212 - SUR Clinical Supplement
- **AND** SUR211 - Advanced Theoretical Concepts

Minimum Grade	C
Area	Major
Actual Credits	6

Requirement Select

- COM120 - Introduction to Interpersonal Communication
- **AND** PSY150 - General Psychology

Minimum Grade	-
Area	General Education
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring	9

Requirement Select

- SUR137 - Professional Success Prep
- **AND** SUR210 - Clinical Practice

Minimum Grade	C
Area	Major
Actual Credits	3

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
24	48
Total Minor Credits	**Total Elective Credits**
0	0

A45740B - Surgical Technology - AAS Bridge

Overview

Program Title
Surgical Technology - AAS Bridge

Program Code
A45740B

Degree Designation
Associate in Applied Science

Department
Healthcare Programs

Minimum Required Credit Hours
68

Description

Program Description
The Bridge program was designed for those who are in the workplace and may already have earned some of these credits previously and are now completing their degree. WBL and Additional Sciences were added specifically for these students.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- COM120 - Introduction to Interpersonal Communication (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

Take 6 credits

Humanities/Fine Arts

Complete ANY of the following Course Sets:
- Humanities (AAS)

Take 3 credits

Social/Behavioral Sciences

Complete ANY of the following Course Sets:
- Social/Behavioral Science Electives (AAS)

Take 3 credits

Sciences

Earn at least 8 credits from the following:
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)
- BIO275 - Microbiology (4 cr)

Concentration/Pathway Hours

Major Requirements
Type
Completion Requirement

Surgical Core

Complete ALL of the following Courses:
- SUR110 - Introduction to Surgical Technology (3 cr)
- SUR111 - Periop Patient Care (7 cr)
- SUR122 - Surgical Procedures I (6 cr)
- SUR123 - Sur Clinical Practice I (7 cr)
- SUR134 - Surgical Procedures II (5 cr)
- SUR135 - SUR Clinical Practice II (4 cr)
- SUR137 - Professional Success Prep (1 cr)
- SUR211 - Advanced Theoretical Concepts (2 cr)

Take 35 credits

Required Option

Complete ANY of the following Courses:
- SUR210 - Clinical Practice (2 cr)
- WBL112 - Work-Based Learning I (2 cr)

Take 2 credits

Other Major Hours - Required

Other Major Requirements
Type
Completion Requirement

Other Major Required

Complete ALL of the following Courses:
- CIS110 - Introduction to Computers (3 cr)
- PSY150 - General Psychology (3 cr)
- SUR212 - SUR Clinical Supplement (4 cr)

Take 9-13 credits

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Enroll in the following Courses:

- ACA122 - College Transfer Success (1 cr)

Take 1 credit

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits **Total Major Credits**
0 0
Total Minor Credits **Total Elective Credits**
0 0

A50210 - Computer-Integrated Machining - AAS

Overview

Program Title
Computer-Integrated Machining - AAS

Program Code
A50210

Degree Designation
Associate in Applied Science

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
76

Description

Program Description
The Computer-Integrated Machining curriculum prepares students with the analytical, creative, and innovative skills necessary to take a production idea from an initial concept through design, development, and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numerical control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

ACA 122 and MAT 110 should be completed in the first semester with a grade of "C" or better.

Program Learning Outcomes (PLO's)

PLO Short Name Practice Safe Handling of Tools	Practice the safe handling of tools and machinery according to federal and state guidelines.

PLO Short Name Produce Parts	Produce parts using milling machines, bench grinders, power saws, lathes, drill press, and surface grinders within acceptable tolerances.

PLO Short Name Interpret Blueprints	Interpret blueprints based on industry standards.

PLO Short Name Design and Program Parts	Design and program parts using CAD/ CAM.

PLO Short Name CNC Setup	Complete CNC setups.

PLO Short Name Write CNC Code	Write CNC code for machined parts.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Earn at least 3 credits from the following:

- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:

- Humanities (AAS)

Social/Behavioral Science

Complete at least 1 courses in the following course sets:

- Social/Behavioral Science Electives (AAS)

Mathematics

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC122 - CNC Turning (2 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR121 - Blueprint Reading-Mech (2 cr)
- ISC112 - Industrial Safety (2 cr)
- MAC113 - Machining Technology III (6 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MAC124 - CNC Milling (2 cr)
- MAC151 - Machining Calculations (2 cr)
- MAC222 - Advanced CNC Turning (2 cr)
- MAC224 - Advanced CNC Milling (2 cr)
- MAC226 - CNC EDM Machining (2 cr)
- MAC234 - Advanced MultiAxis Machining (3 cr)
- MAC241 - Jigs & Fixtures I (4 cr)
- MAC243 - Die Making I (4 cr)
- MAC245 - Mold Construction I (4 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WLD112 - Basic Welding Processes (2 cr)

Other Major Hours - Electives List

Other Major Hours – Electives List

Type
Completion Requirement

Electives List

Earn at least 1 credits from the following:

- ATR112 - Introduction to Automation (3 cr)
- ATR211 - Robot Programming (3 cr)
- ATR219 - Automation Troubleshooting (2 cr)
- DFT154 - Introduction to Solid Modeling (3 cr)
- EGR125 - Applications Software for Technology (2 cr)
- MAC117 - Metalforming Skills I (4 cr)
- MAC118 - Machine Shop Basic (2 cr)
- MAC141A - Machining Applications I Lab (2 cr)
- MAC160 - Coordinate Measuring Machining (3 cr)
- MAC171 - Measure/Material & Safety (1 cr)
- MAC246 - Mold Construction II (4 cr)
- MAC248 - Production Procedures (2 cr)
- MEC110 - Introduction to CAD/CAM (2 cr)
- MEC155 - Environmentally Benign Manufacturing (3 cr)
- MEC276 - Capstone Design Project (1 cr)
- PLA110 - Introduction to Plastics (2 cr)
- PLA162 - Plastics Manuf Processes (3 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL122 - Work-Based Learning II (2 cr)
- WBL131 - Work-Based Learning III (1 cr)
- WBL132 - Work-Based Learning III (2 cr)

Take 1- 2 credits from these courses.

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success & Study Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
73 - 74

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade C
Area General Education
Actual Credits 1

Requirement Select

- BPR111 - Print Reading

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select

- ISC112 - Industrial Safety

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select

- MAC114 - Introduction to Metrology

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select

- MAC121 - Introduction to CNC

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select

- MAC141 - Machining Applications I

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade C
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select
- BPR121 - Blueprint Reading-Mech

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- ENG111 - Writing and Inquiry
  OR
- ENG110 - Workplace Writing Essentials

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- MAC112 - Machining Technology II

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- MAC122 - CNC Turning

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- MAC124 - CNC Milling

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- MAC151 - Machining Calculations

Minimum Grade	D
Area	Major
Actual Credits	2

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select
- MAC113 - Machining Technology III

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	1

Requirement Select
- WLD112 - Basic Welding Processes

Minimum Grade	D
Area	Major
Actual Credits	2

Year	Semester	Actual Credits
Year 2	Fall	14 - 15

Requirement Select
- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting
  OR
- COM120 - Introduction to Interpersonal Communication
  OR
- COM231 - Public Speaking

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- MAC222 - Advanced CNC Turning

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- MAC224 - Advanced CNC Milling

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- MAC226 - CNC EDM Machining

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- MAC245 - Mold Construction I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- Take 1-2 credits from the program specific list of electives (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	1 - 2

Year	Semester	Actual Credits
Year 2	Spring	17

Requirement Select
- MAC234 - Advanced MultiAxis Machining

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- MAC241 - Jigs & Fixtures I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- MAC243 - Die Making I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16	57 - 58

Total Minor Credits	Total Elective Credits
0	0

A50420 - Welding Technology - AAS

Overview

Program Title
Welding Technology - AAS

Program Code
A50420

Degree Designation
Associate in Applied Science

Department
Welding Programs

Minimum Required Credit Hours
70

Description

Program Description
The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Perform Safe Setup, Operation, and Cutting Process	Perform safe setup and operation of welding and cutting processes in accordance with ANSI Z49.1

PLO Short Name Interpret Tech. Info, Classifications, and Welding	Interpret technical information, classifications, and welding symbols in accordance with the American Welding Society (AWS) specifications.

PLO Short Name Perform Weldments	Perform weldments according to American Welding Society (AWS) visual acceptance criteria and codes.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete at least 1 of the following:

Non-Transfer Communication Pathway

Complete ALL of the following Courses:

- ENG110 - Workplace Writing Essentials (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)

OR

Transfer Communication Pathway

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities

Complete at least 1 courses in the following course sets:

- Humanities (AAS)

Social/Behavioral Sciences

Complete at least 1 courses in the following course sets:

- Social/Behavioral Science Electives (AAS)

Mathematics

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)
- WLD115 - SMAW (Stick) Plate (5 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD131 - GTAW (TIG) Plate (4 cr)
- WLD141 - Symbols & Specifications (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD116 - SMAW (stick) Plate/Pipe (4 cr)
- WLD117 - Industrial SMAW (3 cr)
- WLD132 - GTAW (TIG) Plate/Pipe (3 cr)
- WLD143 - Welding Metallurgy (2 cr)
- WLD151 - Fabrication I (4 cr)
- WLD212 - Inert Gas Welding (2 cr)
- WLD215 - SMAW (stick) Pipe (4 cr)
- WLD231 - GTAW (TIG) Pipe (3 cr)
- WLD261 - Certification Practices (2 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Machining/Welding

Earn at least 8 credits from the following:

- MAC118 - Machine Shop Basic (2 cr)
- WLD112 - Basic Welding Processes (2 cr)
- WLD143 - Welding Metallurgy (2 cr)
- WLD214 - Sanitary Welding (4 cr)
- WLD251 - Fabrication II (3 cr)
- WLD265 - Automated Welding/Cutting (4 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
70

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select

- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- WLD110 - Cutting Processes
- **AND** WLD115 - SMAW (Stick) Plate
- **AND** WLD141 - Symbols & Specifications

Minimum Grade D
Area Major
Actual Credits 10

Requirement Select

- Humanities (AAS)

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select

- WLD116 - SMAW (stick) Plate/Pipe
- **AND** WLD121 - GMAW (MIG) FCAW/Plate
- **AND** WLD131 - GTAW (TIG) Plate
- **AND** WLD212 - Inert Gas Welding

Minimum Grade	D
Area	Major
Actual Credits	14

Year	Semester	Actual Credits
Year 1	Summer	10

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- WLD117 - Industrial SMAW
- **AND** WLD151 - Fabrication I

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select

- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- WLD132 - GTAW (TIG) Plate/Pipe
- **AND** WLD215 - SMAW (stick) Pipe

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select

- 4 Credits Must be Selected from the List of Major Course Electives (Milestone) (Milestone)

Minimum Grade	-
Area	Elective
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Spring	15

Requirement Select

- WLD143 - Welding Metallurgy
- **AND** WLD231 - GTAW (TIG) Pipe
- **AND** WLD261 - Certification Practices

Minimum Grade	D
Area	Major
Actual Credits	8

Requirement Select

- 4 Credits Must be Selected from the List of Major Course Electives (Milestone)

Minimum Grade	D
Area	Elective
Actual Credits	4

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16	46
Total Minor Credits	**Total Elective Credits**
0	8

A55140 - Cosmetology

Overview

Program Title
Cosmetology

Program Code
A55140

Degree Designation
Associate in Arts

Department
Cosmetology Programs

Minimum Required Credit Hours
69

Description

Program Description
The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment that enables students to develop manipulative skills. Coursework includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and as skin/nail specialists, platform artists, and related businesses.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The following course sequences are for day students. Night students should work closely with their advisor for an adjusted sequence.

Program Learning Outcomes (PLO's)

PLO Short Name Foundational Knowledge	Apply the foundational knowledge obtained in the theoretical classroom on the subjects within the scope of practice that influence cosmetology and esthetics consultation and execution of services.
PLO Short Name Technical Skills	Perform foundational technical skills that are within the designated scope of practice for all Cosmetology services.
PLO Short Name Safety	Execute universal precautions (sanitation, disinfection and blood exposure) for the safety and protection of each client and the operator.
PLO Short Name Consultations	Conduct professional consultations with clients to assess their specific cosmetology needs.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete at least 1 of the following courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- COM120 - Introduction to Interpersonal Communication (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Science

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Mathematics

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I (4 cr)
- COS112 - Salon I (8 cr)
- COS113 - Cosmetology Concepts II (4 cr)
- COS114 - Salon II (8 cr)
- COS115 - Cosmetology Concepts III (4 cr)
- COS116 - Salon III (4 cr)
- COS117 - Cosmetology Concepts IV (2 cr)

Other Major Hours - Required

Other Major
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- BUS139 - Entrepreneurship I (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- COS118 - Salon IV (7 cr)
- COS240 - Contemporary Design (2 cr)
- COS250 - Computerized Salon Ops (1 cr)

Other Major Hours - Electives List

Other Major Course Electives
Type
Completion Requirement

Electives

Complete at least 1 of the following courses:

- BUS110 - Introduction to Business (3 cr)
- BUS125 - Personal Finance (3 cr)
- BUS137 - Principles of Management (3 cr)
- BUS153 - Human Resource Management (3 cr)

Other Required Courses

Other Required
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence - Fall Semester start
Total Degree Map Credits
72

Year	Semester	Actual Credits
Year 1	Fall	13

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- COS111 - Cosmetology Concepts I
- **AND** COS112 - Salon I

Minimum Grade	D
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Spring	15

Requirement Select

- COS113 - Cosmetology Concepts II
- **AND** COS114 - Salon II

Minimum Grade	D
Area	Major
Actual Credits	12

Requirement Select

- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits

Year	Semester	Actual Credits
Year 1	Summer	11

Requirement Select
- COS115 - Cosmetology Concepts III
- **AND** COS116 - Salon III

Minimum Grade D
Area Major
Actual Credits 8

Requirement Select
- MAT110 - Math Measurement & Literacy

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select
- COS117 - Cosmetology Concepts IV
- **AND** COS118 - Salon IV
- **AND** COS240 - Contemporary Design
- **AND** COS250 - Computerized Salon Ops

Minimum Grade D
Area Major
Actual Credits 12

Requirement Select
- COM120 - Introduction to Interpersonal Communication
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Spring	18

Requirement Select
- BUS139 - Entrepreneurship I
- **AND** CIS110 - Introduction to Computers

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select
- Humanities (AAS)

Minimum Grade D
Area General Education
Actual Credits 6

Requirement Select
- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- Social/Behavioral Science Electives (AAS)

Minimum Grade -
Area -
Actual Credits 3

Total General Education Credits 16
Total Major Credits 53
Total Minor Credits 0
Total Elective Credits 0

Degree Map Name
Recommended Course Sequence - Spring Semester start
Total Degree Map Credits
72

Year	Semester	Actual Credits
Year 1	Spring	13

Requirement Select
- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select
- COS111 - Cosmetology Concepts I
- **AND** COS112 - Salon I

Minimum Grade D
Area Major
Actual Credits 12

Year	Semester	Actual Credits
Year 1	Summer	11

Requirement Select
- COS113 - Cosmetology Concepts II
- **AND** COS114A - COS 114A Salon IIA

Minimum Grade	D
Area	Major
Actual Credits	8

Requirement Select
- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Fall	12

Requirement Select
- COS114B - COS 114B Salon IIA
- **AND** COS115 - Cosmetology Concepts III
- **AND** COS250 - Computerized Salon Ops

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select
- COM120 - Introduction to Interpersonal Communication
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	11

Requirement Select
- BUS139 - Entrepreneurship I
- **AND** COS116 - Salon III
- **AND** COS117 - Cosmetology Concepts IV
- **AND** COS240 - Contemporary Design

Minimum Grade	D
Area	Major
Actual Credits	11

Year	Semester	Actual Credits
Year 2	Summer	7

Requirement Select
- COS118A - Salon IVA

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- MAT110 - Math Measurement & Literacy

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	18

Requirement Select
- CIS110 - Introduction to Computers
- **AND** COS118B - Salon IVB

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	6

Requirement Select
- 3 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	-
Actual Credits	3

Total General Education Credits	Total Major Credits
16	53
Total Minor Credits	**Total Elective Credits**
0	0

A55180 - Criminal Justice Technology

Overview

Program Title
Criminal Justice Technology

Program Code
A55180

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
68

Description

Program Description
The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional studies may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officers, deputy sheriffs, county detention officers, state troopers, intensive probation/parole surveillance officers, correctional officers, and loss prevention specialists. Students with a felony conviction may have limited employment opportunities.

Students who have successfully completed a Basic Law Enforcement Training course accredited by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriff's Education and Training Standards Commission and passed the Commission's comprehensive certificate examination will receive credit for CJC 110 towards the Associate in Applied Science degree in Criminal Justice Technology.

Students who have completed the Detention Officer Certification Course (DOCC) or the NC Department of Public Safety Basic Correctional Officer Training course will receive credit for PST-124.

This curriculum complies with the standard approved by the State Board of Community Colleges

The Criminal Justice program articulates with the following four-year universities:

Brevard College (follow the standard program of study below)

Lees-McCrae College (follow the standard program of study below)

Mars Hill University (program outlined for Mars Hill University)

NC Wesleyan College (follow the standard program of study below)

Norwich University (follow the standard program of study below)

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Professionalism	Explain the legal and moral responsibilities of criminal justice professionals as they relate to establishing positive community relationships.
PLO Short Name Communication Skills	Students will communicate with clarity and precision in appropriate contexts.
PLO Short Name Service to the Community	Students will build service oriented community relationships.
PLO Short Name Foundational Knowledge	Students will integrate knowledgeable, reflective, and critical perspectives on criminal justice systems and operations.

Program Requirements

Simple Requisites

General Education

1st Communications
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

2nd Communications
Type
Completion Requirement

2nd Communications

Complete ANY of the following Courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities / Fine Arts
Type
Completion Requirement

Humanities

Complete ANY of the following Course Sets:

- Humanities (AAS)

Social / Behavioral Science
Type
Completion Requirement

Social/Behavioral Sciences

Complete ANY of the following Courses:

- POL130 - State & Local Government (3 cr)
- POL120 - American Government (3 cr)

Mathematics
Type
Completion Requirement

Mathematics

Complete ANY of the following Courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CJC111 - Introduction to Criminal Justice (3 cr)
- CJC112 - Criminology (3 cr)
- CJC113 - Juvenile Justice (3 cr)
- CJC131 - Criminal Law (3 cr)
- CJC212 - Ethics & Community Relations (3 cr)
- CJC221 - Investigative Principles (4 cr)
- CJC231 - Constitutional Law (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major/Required

Complete ALL of the following Courses:

- CJC121 - Law Enforcement Operations (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- CJC141 - Corrections (3 cr)
- CJC255 - Issues in Criminal Justice Application (3 cr)
- LDR110 - Introduction to Leadership (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Electives

Earn at least 15 credits from the following:

- BIO111 - General Biology I (4 cr)
- BIO112 - General Biology II (4 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- BUS270 - Professional Development (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- CJC151 - Introduction to Loss Prevention (3 cr)
- CJC170 - Critical Incident Management Public Safety (3 cr)
- CJC215 - Organization & Administration (3 cr)
- CJC222 - Criminalistics (3 cr)
- CJC223 - Organized Crime (3 cr)
- CJC225 - Crisis Intervention (3 cr)
- CJC232 - Civil Liability (3 cr)
- CJC233 - Correctional Law (3 cr)
- CJC241 - Community-Based Corrections (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- LDR115 - Evidence-Based Leadership & Decision Making (3 cr)
- LDR225 - Leading Change (3 cr)
- PAD151 - Introduction to Public Administration (3 cr)
- PAD152 - Ethics in Government (3 cr)
- PAD251 - Public Finance and Budgeting (3 cr)

- PAD252 - Public Policy Analysis (3 cr)
- PED110 - Well for Life (2 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL112 - Work-Based Learning I (2 cr)
- WBL113 - Work-Based Learning I (3 cr)
- PST120 - NCDPS Correctional Officer Training (8 cr)
- PST123 - NC Sheriff's Telecom Training (2 cr)
- PST124 - NC Sheriff's Detention Officer Training (8 cr)
- PST125 - NC Basic Juvenile Justice Officer Train (7 cr)
- PST126 - NC Basic Juvenile Justice Counsel Train (7 cr)
- PST127 - NC Basic Probation Officer Training (9 cr)
- PST151 - NC Justice Academy Training (1 cr)
- PST152 - NC Justice Academy Training (2 cr)
- PST153 - NC Justice Academy Training (3 cr)
- PST154 - NC Justice Academy Training (4 cr)
- PST155 - NC Justice Academy Training (5 cr)
- PST156 - NC Justice Academy Training (6 cr)
- PST157 - NC Justice Academy Training (7 cr)
- PST158 - NC Justice Academy Training (8 cr)
- PST159 - NC Justice Academy Training (9 cr)
- PST171 - NCCCS Public Safety Training (1 cr)
- PST172 - NCCCS Public Safety Training (2 cr)
- PST173 - NCCCS Public Safety Training (3 cr)
- PST174 - NCCCS Public Safety Training (4 cr)
- PST175 - NCCCS Public Safety Training (5 cr)
- PST176 - NCCCS Public Safety Training (6 cr)
- PST177 - NCCCS Public Safety Training (7 cr)
- PST178 - NCCCS Public Safety Training (8 cr)
- PST179 - NCCCS Public Safety Training (9 cr)
- PST181 - NCDPS Unarmed Security Guard Train (1 cr)
- PSY141 - Psychology of Death and Dying (3 cr)
- CJC122 - Community Policing (3 cr)
- CJC213 - Substance Abuse (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Student Success

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
CJC Recommended Course Sequence
Total Degree Map Credits
68 - 69

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade	-
Area	General Education
Actual Credits	1

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	General Education
Actual Credits	3

Requirement Select

- CJC111 - Introduction to Criminal Justice

Minimum Grade	-
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- CJC113 - Juvenile Justice

Minimum Grade	-
Area	Major
Actual Credits	3

Requirement Select

- POL120 - American Government

OR

- POL130 - State & Local Government

Minimum Grade	-
Area	-
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 1	9

Requirement Select

- CJC121 - Law Enforcement Operations
- **AND** CJC131 - Criminal Law
- **AND** CJC132 - Court Procedure & Evidence

Minimum Grade	-
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- CJC112 - Criminology
- **AND** CJC141 - Corrections

Minimum Grade	-
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	12 - 13

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting
  OR
- COM231 - Public Speaking

Minimum Grade	-
Area	General Education
Actual Credits	3

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	3 - 4

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	General Education
Actual Credits	3

Requirement Select

- Major Course Elective (Generic)

Minimum Grade	-
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 1	10

Requirement Select

- CJC221 - Investigative Principles
- **AND** CJC231 - Constitutional Law
- **AND** LDR110 - Introduction to Leadership

Minimum Grade	-
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select

- CJC212 - Ethics & Community Relations

Minimum Grade	-
Area	Major
Actual Credits	3

Requirement Select

- Major Course Elective (Generic)

Minimum Grade	-
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 1	6

Requirement Select

- CJC255 - Issues in Criminal Justice Application

Minimum Grade	-
Area	Major
Actual Credits	3

Requirement Select

- Major Course Elective (Generic)

Minimum Grade	-
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring 2	6

Requirement Select

- Major Course Elective (Generic)

Minimum Grade	-
Area	Elective
Actual Credits	6

Total General Education Credits	Total Major Credits
13 - 14	37
Total Minor Credits	**Total Elective Credits**
0	15

A55180MH - Criminal Justice Technology – Pathway to Mars Hill - AAS

Overview

Program Title
Criminal Justice Technology – Pathway to Mars Hill - AAS

Program Code
A55180MH

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Articulation Agreement
Transfer Pathway to Mars Hill University

Fully online option available?
Yes

Minimum Required Credit Hours
67

Description

Program Description
This articulation agreement between Blue Ridge Community College (Blue Ridge) Criminal Justice Technology Program and Mars Hill University (MHU) provides for transfer from the Criminal Justice program at BRCC to the B.S. in Criminal Justice at MHU. Students not completing the general education core at Blue Ridge must complete those requirements at MHU. If 28 or more hours are transferred to MHU the first semester, First-Year Seminar I is not required at MHU. Students must take a minimum of 60 hours at a senior college and a minimum of 32 hours at Mars Hill.

Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. CE to CU credit is not awarded in this program. Students wishing to apply for CE to CU credit should refer to the standard Criminal Justice Technology program. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Responsibilities	Explain the legal and moral responsibilities of criminal justice professionals as they relate to establishing positive community relationships.

PLO Short Name Communication	Communicate with clarity and precision in appropriate contexts.

PLO Short Name	
Community Relationships	Build service-oriented community relationships.

PLO Short Name	
Critical Perspectives	Integrate knowledgeable, reflective, and critical perspectives on criminal justice systems and operations.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ANY of the following Courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete ANY of the following Courses:
- ART111 - Art Appreciation (3 cr)
- DRA111 - Theatre Appreciation (3 cr)

Social/Behavioral Sciences

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Criminal Justice

Complete ALL of the following Courses:
- CJC111 - Introduction to Criminal Justice (3 cr)
- CJC112 - Criminology (3 cr)
- CJC113 - Juvenile Justice (3 cr)
- CJC131 - Criminal Law (3 cr)
- CJC212 - Ethics & Community Relations (3 cr)
- CJC221 - Investigative Principles (4 cr)
- CJC231 - Constitutional Law (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Biology, Computers, Criminal Justice, and Psychology

Complete ALL of the following Courses:
- BIO111 - General Biology I (4 cr)
- CIS110 - Introduction to Computers (3 cr)
- CJC121 - Law Enforcement Operations (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- CJC141 - Corrections (3 cr)
- PSY150 - General Psychology (3 cr)

History Required

Complete at least 1 of the following courses:
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)

Foreign Language

Complete at least 1 of the following:

French

Complete ALL of the following Courses:
- FRE111 - Elementary French I (3 cr)
- FRE181 - French Lab 1 (1 cr)

OR

Spanish

Complete ALL of the following Courses:
- SPA111 - Elementary Spanish I (3 cr)
- SPA181 - Spanish Lab 1 (1 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type

Completion Requirement

Electives

Take 3 credits of electives from these course prefixes: ASL, BIO, BUS, CCT, CET, CIS, CJC, COM, CSC, CTI, CTS, DBA, ECO, EDU, EPT, HEA, HIS, HSE, LDR, LEX, NET, OST, PAD, PED, POL, PSY, SOC, or WBL

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
70

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACA122 - College Transfer Success
- **AND** CJC111 - Introduction to Criminal Justice
- **AND** ENG111 - Writing and Inquiry

Minimum Grade C
Area General Education
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- CJC113 - Juvenile Justice
- **AND** PSY150 - General Psychology

Minimum Grade C
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	9

Requirement Select

- CJC121 - Law Enforcement Operations
- **AND** CJC131 - Criminal Law
- **AND** CJC132 - Court Procedure & Evidence

Minimum Grade C
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- CJC112 - Criminology
- **AND** CJC141 - Corrections

Minimum Grade C
Area Major
Actual Credits 6

Requirement Select

- Students who successfully complete the courses in the 2 semesters above are eligible for the Foundations of CJC Certificate. (Milestone)

Minimum Grade -
Area -
Actual Credits -

Year	Semester	Actual Credits
Year 1	Summer	15

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade C
Area Elective
Actual Credits 9

Requirement Select

- MAT143 - Quantitative Literacy

Minimum Grade C
Area General Education
Actual Credits 3

Requirement Select

- Major Course Elective (Generic)

Minimum Grade -
Area -
Actual Credits -

Requirement Select
- Humanities (AAS)

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select
- Students who successfully complete the courses in the 3 semesters above plus one elective course from the Criminal Justice Technology Associates Degree are eligible for the Criminal Justice Technology Diploma. (Milestone)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 2	Fall 1	7

Requirement Select
- CJC221 - Investigative Principles
- **AND** CJC231 - Constitutional Law

Minimum Grade	C
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 2	Fall 2	6

Requirement Select
- CJC212 - Ethics & Community Relations
- **AND** CIS110 - Introduction to Computers

Minimum Grade	C
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring	14

Requirement Select
- GEO111 - World Regional Geography
  OR
- BIO111 - General Biology I

Minimum Grade	C
Area	General Education
Actual Credits	7

Requirement Select
- History Elective (Milestone)
  OR
- Foreign Language Elective (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	7

Total General Education Credits	Total Major Credits
17	34
Total Minor Credits	**Total Elective Credits**
0	16

A55220C - Early Childhood Education - Career Entry Pathway

Overview

Program Title
Early Childhood Education - Career Entry Pathway

Program Code
A55220C

Degree Designation
Associate in Applied Science

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
65

Description

Program Description
The Early Childhood Education curriculum prepares individuals to work with children from birth through age eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers. This program prepares individuals to promote child development and learning, work with diverse families and children, observe, document and assess to support young children and families, use content knowledge to build meaningful curriculum, and use developmentally effective approaches in collaboration with other early childhood professionals. Potential course work includes instruction in all areas of child development such as emotional/social/health/physical/language/communication, approaches to play and learning, working with diverse families, and related observations/student teaching experiences.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start programs.

This curriculum complies with the standard approved by the State Board of Community Colleges. Please see the list of practicum requirements for the Early Childhood programs on Early Childhood Education Practicum Requirements page.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Task Stream: Students who graduate from the program must complete an electronic portfolio in Task Stream (taskstream.com) to show competence in the National Association for the Education of Young Children (NAEYC) Standards. Students will receive additional information about Task Stream when they enroll in the degree program.

If a student plans to transfer to a four-year institution, students must earn acceptable scores on PRAXIS I before enrolling in a bachelor's degree program. There are two pathways for the Early Childhood degree. Advisors can provide guidance on pathway selection based on career goals.

1. Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor's degree.

2. Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor's degree.

Program Learning Outcomes (PLO's)

PLO Short Name Promote	Promote child development and learning
PLO Short Name Build	Build family and community relationships
PLO Short Name Observe, document and assess	Observe, document, and assess to support young children and families
PLO Short Name Use developmentally	Use developmentally effective approaches to connect with children and families
PLO Short Name Use content knowledge	Use content knowledge to build meaningful curriculum
PLO Short Name Adhere	Adhere to porfessional and ethical standards

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Science

Complete at least 1 of the following courses:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Natural Science or Mathematics

Earn at least 3 credits from the following:

- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU144 - Child Development I (3 cr)
- EDU145 - Child Development II (3 cr)
- EDU146 - Child Guidance (3 cr)
- EDU151 - Creative Activities (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU221 - Children With Exceptionalities (3 cr)
- EDU234 - Infants, Toddlers, and Twos (3 cr)
- EDU280 - Language and Literacy Experiences (3 cr)
- EDU284 - Early Childhood Capstone Practicum (4 cr)

Required 2nd English

Complete at least 1 of the following courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Career Entry Pathway Requirements

Complete ALL of the following Courses:

- EDU157 - Active Play (3 cr)
- EDU173 - Becoming a Professional in Early Childhood Education (3 cr)
- EDU184 - Early Childhood Introductory Practicum (2 cr)
- EDU251 - Exploration Activities (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
65 - 66

Year	Semester	Actual Credits
Year 1	Fall	17

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- EDU119 - Introduction to Early Childhood Education
- **AND** EDU144 - Child Development I
- **AND** EDU153 - Health, Safety and Nutrition
- **AND** EDU173 - Becoming a Professional in Early Childhood Education

Minimum Grade	D
Area	Major
Actual Credits	13

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	15 - 16

Requirement Select

- EDU131 - Child, Family, and Community
- **AND** EDU145 - Child Development II
- **AND** EDU146 - Child Guidance

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	6 - 7

Requirement Select

- 3-4 Credits must be selected from either the Math or the Natural Science requirement list (Generic)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- EDU234 - Infants, Toddlers, and Twos

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select

- EDU157 - Active Play
- **AND** EDU221 - Children With Exceptionalities
- **AND** EDU251 - Exploration Activities
- **AND** EDU184 - Early Childhood Introductory Practicum
- **AND** EDU151 - Creative Activities

Minimum Grade	D
Area	Major
Actual Credits	14

Year	Semester	Actual Credits
Year 2	Spring	13

Requirement Select

- EDU280 - Language and Literacy Experiences
- **AND** EDU284 - Early Childhood Capstone Practicum

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select

- COM231 - Public Speaking

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- Humanities (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
19 - 20	46
Total Minor Credits	**Total Elective Credits**
0	0

A55220T - Early Childhood Education - Transfer Pathway

Overview

Program Title	**Program Code**
Early Childhood Education - Transfer Pathway	A55220T
Degree Designation	**Department**
Associate in Applied Science	Education Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	76

Description

Program Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through age eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers. This program prepares individuals to promote child development and learning, work with diverse families and children, observe, document and assess to support young children and families, use content knowledge to build meaningful curriculum, and use developmentally effective approaches in collaboration with other early childhood professionals. Potential course work includes instruction in all areas of child development such as emotional/social/health/physical/language/communication, approaches to play and learning, working with diverse families, and related observations/student teaching experiences.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start programs.

This curriculum complies with the standard approved by the State Board of Community Colleges. Please see the list of practicum requirements for the Early Childhood programs on Early Childhood Education Practicum Requirements page.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Task Stream: Students who graduate from the program must complete an electronic portfolio in Task Stream (taskstream.com) to show competence in the National Association for the Education of Young Children (NAEYC) Standards. Students will receive additional

information about Task Stream when they enroll in the degree program.

If a student plans to transfer to a four-year institution, students must earn acceptable scores on PRAXIS I before enrolling in a bachelor's degree program. There are two pathways for the Early Childhood degree. Advisors can provide guidance on pathway selection based on career goals.

1. Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor's degree.

2. Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor's degree.

Program Learning Outcomes (PLO's)

PLO Short Name Promote	Promote child development and learning
PLO Short Name Build	Build family and community relationships
PLO Short Name Observe, document and assess	Observe, document, and assess to support young children and families
PLO Short Name Use developmentally	Use developmentally effective approaches to connect with children and families
PLO Short Name Use content knowledge	Use content knowledge to build meaningful curriculum
PLO Short Name Adhere	Adhere to porfessional and ethical standards

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Science

Complete ALL of the following Courses:
- PSY150 - General Psychology (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU144 - Child Development I (3 cr)
- EDU145 - Child Development II (3 cr)
- EDU146 - Child Guidance (3 cr)
- EDU151 - Creative Activities (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU221 - Children With Exceptionalities (3 cr)
- EDU234 - Infants, Toddlers, and Twos (3 cr)
- EDU280 - Language and Literacy Experiences (3 cr)
- EDU284 - Early Childhood Capstone Practicum (4 cr)

Transfer Specialty

Complete at least 2 of the following courses:
- EDU216 - Foundations of Education (3 cr)
- EDU250 - Teacher Licensure Preparation (3 cr)
- EDU261 - Early Childhood Administration I (3 cr)
- EDU262 - Early Childhood Administration II (3 cr)

Transfer Specialty 1 (licensure) take EDU216 and EDU250

Transfer Specialty 2 (non-licensure) take EDU261 and EDU262

Required 2nd English

Complete at least 1 of the following courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Additional Social/Behavioral Science for Transfer Pathways

Complete at least 1 of the following courses:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Biology Required for Transfer Pathways

Complete at least 1 of the following courses:

- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)

Natural Science for Transfer Pathways

Earn at least 4 credits from the following:

- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- CHM151 - General Chemistry I (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence
Total Degree Map Credits
74

Year	Semester	Actual Credits
Year 1	Fall	17

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade	C
Area	General Education
Actual Credits	1

Requirement Select

- EDU119 - Introduction to Early Childhood Education
- **AND** EDU144 - Child Development I
- **AND** EDU146 - Child Guidance
- **AND** EDU153 - Health, Safety and Nutrition

Minimum Grade	C
Area	Major
Actual Credits	13

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	15

Requirement Select

- EDU131 - Child, Family, and Community
- **AND** EDU145 - Child Development II
- **AND** EDU151 - Creative Activities

Minimum Grade	C
Area	Major
Actual Credits	9

Requirement Select

- MAT143 - Quantitative Literacy

Minimum Grade	D
Area	General Education
Actual Credits	3

Recommended Course Sequence

Degree Map Name

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	C
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select

- Humanities (AAS)

Minimum Grade	C
Area	General Education
Actual Credits	6

Requirement Select

- PSY150 - General Psychology

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	-
Area	-
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	16

Requirement Select

- BIO111 - General Biology I
- **AND** COM231 - Public Speaking

Minimum Grade	C
Area	General Education
Actual Credits	7

Requirement Select

- EDU221 - Children With Exceptionalities

Minimum Grade	C
Area	Major
Actual Credits	3

Requirement Select

- EDU216 - Foundations of Education
- **AND** EDU250 - Teacher Licensure Preparation
  OR
- EDU261 - Early Childhood Administration I
- **AND** EDU262 - Early Childhood Administration II

Minimum Grade	C
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Spring	14

Requirement Select

- EDU234 - Infants, Toddlers, and Twos
- **AND** EDU280 - Language and Literacy Experiences
- **AND** EDU284 - Early Childhood Capstone Practicum

Minimum Grade	D
Area	Major
Actual Credits	10

Requirement Select

- Natural Science Elective - 4 credits must be selected from the natural science elective list (Milestone)

Minimum Grade	C
Area	General Education
Actual Credits	4

Total General Education Credits	Total Major Credits
30	41
Total Minor Credits	**Total Elective Credits**
0	0

A55240 - Fire Protection Technology - AAS

Overview

Program Title
Fire Protection Technology - AAS

Program Code
A55240

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
73

Description

Program Description

The Fire Protection Technology curriculum is designed to provide students with knowledge and skills in the technical, managerial, and leadership areas necessary for advancement within the fire protection community and related firefighting industries, and to provide currently employed firefighters with knowledge and skills often required for promotional consideration. Course work includes diverse fire protection subject areas, including fire prevention and safety, public education, building construction, fire ground strategies and tactics, and local government finance and laws, as they apply to emergency services management. Emphasis includes understanding fire characteristics and the structural consequences of fire; risk assessment and management; and relevant research, communications, and leadership methodologies. Employment opportunities exist with fire departments, governmental agencies, industrial firms, insurance rating organizations, and educational organizations.

This curriculum complies with the standard approved by the State Board of Community Colleges. This program is offered completely online as it is prescribed below.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. CE to CU Credit may be awarded for previous fire and rescue training. Consult a program advisor for more information. Developmental courses may not be offered in an online format.

Program Learning Outcomes (PLO's)

PLO Short Name Fire Service History	Analyze the history of the fire service and prevention and identify key elements that have shaped present-day fire protection.

PLO Short Name Leadership Skills	Apply general management and leadership skills to fire service-related scenarios.

PLO Short Name Operations Management	Apply fire-ground operations management, to include applicable NFPA standards and guidelines.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sciences

Complete ANY of the following Courses:
- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)

Mathematics

Complete ANY of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Communications 2

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Technical Core

Technical Core
Type

Completion Requirement

Fire Protection

Complete ALL of the following Courses:

- FIP120 - Introduction to Fire Protection (3 cr)
- FIP124 - Fire Prevention & Public Education (3 cr)
- FIP132 - Building Construction (3 cr)
- FIP152 - Fire Protection Law (3 cr)
- FIP220 - Fire Fighting Strategies (3 cr)
- FIP228 - Local Government Finance (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Requirements

Complete ALL of the following Courses:

- FIP128 - Detection & Investigation (3 cr)
- FIP146 - Fire Protection Systems (4 cr)
- FIP230 - Chemistry of Hazardous Materials I (5 cr)
- FIP244 - Fire Protection Project (3 cr)
- COM231 - Public Speaking (3 cr)

Select a Pathway

Fulfill ANY of the following requirements:

Fire Protection Pathway

Complete ALL of the following Courses:

- FIP260 - Fire Protection Planning (3 cr)
- FIP256 - Municipal Public Relations (3 cr)
- FIP277 - Fire and Social Behavior (3 cr)

OR

Fire Investigation Pathway

Complete ALL of the following Courses:

- FIP277 - Fire and Social Behavior (3 cr)
- FIP229 - Fire Dynamics and Combustion (3 cr)
- FIP160 - Fire Protection-Electrical (2 cr)
- FIP160A - Fire Protection-Electrical Lab (1 cr)

OR

Management Pathway

Complete ALL of the following Courses:

- FIP248 - Fire Service Personnel Administration (3 cr)
- FIP256 - Municipal Public Relations (3 cr)
- FIP276 - Managing Fire Services (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Electives

Earn at least 12 credits from the following:

- EPT120 - Sociology of Disaster (3 cr)
- EPT130 - Mitigation & Preparedness (3 cr)
- EPT140 - Emergency Management (3 cr)
- EPT150 - Incident Management (3 cr)
- EPT210 - Response & Recovery (3 cr)
- EPT220 - Terrorism and Emerergency Management (3 cr)
- EPT275 - Emergency Operations Center Management (3 cr)
- FIP136 - Inspections & Codes (3 cr)
- FIP224 - Fire Instructor I and II (4 cr)
- FIP226 - Fire Officer I and II (4 cr)
- FIP232 - Hydraulics and Water Distribution (3 cr)
- FIP248 - Fire Service Personnel Administration (3 cr)
- FIP256 - Municipal Public Relations (3 cr)
- FIP260 - Fire Protection Planning (3 cr)
- EMS110 - EMT (9 cr)
- PST161 - NC OSFM Training (1 cr)
- PST162 - NC OSFM Training (2 cr)
- PST163 - NC OSFM Training (3 cr)
- PST164 - NC OSFM Training (4 cr)
- PST165 - NC OSFM Training (5 cr)
- PST166 - NC OSFM Training (6 cr)
- PST167 - NC OSFM Training (7 cr)
- PST168 - NC OSFM Training (8 cr)
- PST169 - NC OSFM Training (9 cr)
- PST171 - NCCCS Public Safety Training (1 cr)
- PST172 - NCCCS Public Safety Training (2 cr)
- PST173 - NCCCS Public Safety Training (3 cr)
- PST174 - NCCCS Public Safety Training (4 cr)
- PST175 - NCCCS Public Safety Training (5 cr)
- PST176 - NCCCS Public Safety Training (6 cr)
- PST177 - NCCCS Public Safety Training (7 cr)
- PST178 - NCCCS Public Safety Training (8 cr)
- PST179 - NCCCS Public Safety Training (9 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Fire Protection Course Sequence
Total Degree Map Credits
73 - 75

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- FIP120 - Introduction to Fire Protection
- **AND** FIP124 - Fire Prevention & Public Education

Minimum Grade C
Area Major
Actual Credits 6

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Year	Semester	Actual Credits
Year 1	Fall 2	12

Requirement Select

- POL120 - American Government
  OR
- POL130 - State & Local Government

Minimum Grade C
Area General Education
Actual Credits 6

Requirement Select

- FIP132 - Building Construction

Minimum Grade C
Area Major
Actual Credits 3

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade -
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 1	10 - 11

Requirement Select

- FIP146 - Fire Protection Systems
- **AND** FIP152 - Fire Protection Law

Minimum Grade C
Area Major
Actual Credits 7

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade C
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- FIP220 - Fire Fighting Strategies
- **AND** FIP228 - Local Government Finance

Minimum Grade C
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- Humanities (AAS)

Minimum Grade C
Area General Education
Actual Credits 3

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- COM231 - Public Speaking

Minimum Grade	C
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 1	11

Requirement Select

- 3 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3

Requirement Select

- FIP128 - Detection & Investigation
- **AND** FIP230 - Chemistry of Hazardous Materials I

Minimum Grade	-
Area	Major
Actual Credits	8

Year	Semester	Actual Credits
Year 2	Fall 2	6 - 7

Requirement Select

- 3 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Spring	12

Requirement Select

- FIP244 - Fire Protection Project
- **AND** FIP260 - Fire Protection Planning
- **AND** FIP256 - Municipal Public Relations
- **AND** FIP277 - Fire and Social Behavior

Minimum Grade	-
Area	Major
Actual Credits	12

Total General Education Credits	Total Major Credits
22 - 24	45
Total Minor Credits	**Total Elective Credits**
0	6

Degree Map Name
Fire Investigation Course Sequence
Total Degree Map Credits
73 - 75

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- FIP120 - Introduction to Fire Protection
- **AND** FIP124 - Fire Prevention & Public Education

Minimum Grade	C
Area	Major
Actual Credits	6

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Year	Semester	Actual Credits
Year 1	Fall 2	12

Requirement Select

- POL120 - American Government
  OR
- POL130 - State & Local Government

Minimum Grade	C
Area	General Education
Actual Credits	6

Requirement Select

- FIP132 - Building Construction

Minimum Grade	C
Area	Major
Actual Credits	3

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 1	10 - 11

Requirement Select

- FIP146 - Fire Protection Systems
- **AND** FIP152 - Fire Protection Law

Minimum Grade	C
Area	Major
Actual Credits	7

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	C
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- FIP220 - Fire Fighting Strategies
- **AND** FIP228 - Local Government Finance

Minimum Grade	C
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- Humanities (AAS)

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- COM231 - Public Speaking

Minimum Grade	C
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 1	11

Requirement Select

- 3 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3

Requirement Select

- FIP128 - Detection & Investigation
- **AND** FIP230 - Chemistry of Hazardous Materials I

Minimum Grade	-
Area	Major
Actual Credits	8

Year	Semester	Actual Credits
Year 2	Fall 2	6 - 7

Requirement Select

- 3 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Spring	12

Requirement Select

- FIP244 - Fire Protection Project
- **AND** FIP277 - Fire and Social Behavior
- **AND** FIP229 - Fire Dynamics and Combustion
- **AND** FIP160 - Fire Protection-Electrical
- **AND** FIP160A - Fire Protection-Electrical Lab

Minimum Grade	-
Area	Major
Actual Credits	12

Total General Education Credits	Total Major Credits
22 - 24	45
Total Minor Credits	**Total Elective Credits**
0	6

Degree Map Name
Fire Management Course Sequence
Total Degree Map Credits
73 - 75

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- FIP120 - Introduction to Fire Protection
- **AND** FIP124 - Fire Prevention & Public Education

Minimum Grade	C
Area	Major
Actual Credits	6

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Year	Semester	Actual Credits
Year 1	Fall 2	12

Requirement Select

- POL120 - American Government
  OR
- POL130 - State & Local Government

Minimum Grade	C
Area	General Education
Actual Credits	6

Requirement Select

- FIP132 - Building Construction

Minimum Grade	C
Area	Major
Actual Credits	3

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 1	10 - 11

Requirement Select

- FIP146 - Fire Protection Systems
- **AND** FIP152 - Fire Protection Law

Minimum Grade	C
Area	Major
Actual Credits	7

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	C
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- FIP220 - Fire Fighting Strategies
- **AND** FIP228 - Local Government Finance

Minimum Grade	C
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- Humanities (AAS)

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- COM231 - Public Speaking

Minimum Grade	C
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall 1	11

Requirement Select

- 3 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3

Requirement Select

- FIP128 - Detection & Investigation
- **AND** FIP230 - Chemistry of Hazardous Materials I

Minimum Grade	-
Area	Major
Actual Credits	8

Year	Semester	Actual Credits
Year 2	Fall 2	6 - 7

Requirement Select

- 3 Credits must be selected from the list of major course electives (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 2	Spring	12

Requirement Select

- FIP244 - Fire Protection Project
- **AND** FIP248 - Fire Service Personnel Administration
- **AND** FIP256 - Municipal Public Relations
- **AND** FIP276 - Managing Fire Services

Minimum Grade	-
Area	Major
Actual Credits	12

Total General Education Credits	Total Major Credits
22 - 24	45
Total Minor Credits	**Total Elective Credits**
0	6

A55280 - Associate in General Occupational Technology

Overview

Program Title
Associate in General Occupational Technology

Program Code
A55280

Degree Designation
Associate in Applied Science

Department
Social and Human Services Programs

Minimum Required Credit Hours
68

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English I

Enroll in the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

English II

Earn at least 3 credits from the following:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Student Success

Earn at least 1 credits from the following:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Mathematics

Earn at least 3 credits from the following:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)
- MAT273 - Calculus III (4 cr)
- MAT280 - Linear Algebra (3 cr)
- MAT285 - Differential Equations (3 cr)

Social/Behavioral Sciences

Earn at least 3 credits from the following:

- ANT210 - General Anthropology (3 cr)
- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- GEO111 - World Regional Geography (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY237 - Social Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- PSY281 - Abnormal Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)
- SOC213 - Sociology of the Family (3 cr)
- SOC220 - Social Problems (3 cr)
- SOC225 - Social Diversity (3 cr)

Humanities

Earn at least 3 credits from the following:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- DRA112 - Literature of the Theatre (3 cr)
- DRA211 - Theatre History I (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- ENG262 - World Literature II (3 cr)
- HUM123 - Appalachian Culture (3 cr)
- HUM160 - Introduction to Film (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI210 - History of Philosophy (3 cr)
- REL110 - World Religions (3 cr)
- REL211 - Introduction to Old Testament (3 cr)
- REL212 - Introduction to New Testament (3 cr)
- REL221 - Religion in America (3 cr)

Technical Core

Take 48 credit hrs from any approved program list offered at Blue Ridge Community College
Type
Completion Requirement

A55280EM - Public Safety -Pre-Paramedic

Overview

Program Title
Public Safety -Pre-Paramedic

Program Code
A55280EM

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Minimum Required Credit Hours
66

Description

Program Description
The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and to earn an associate degree, Diploma, and/or certificate by taking courses suited for individual occupational interests and or needs.

The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non-developmental level courses offered by the College.

Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry-level employment opportunities.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

This program will ensure students meet the NCOEMS and CoAEMSP entry requirements for the Paramedic Program. Students will begin with the program of study below and will be eligible to enroll in the Paramedic program when the minimum entry requirements have been successfully completed. New Paramedic cohorts begin in the Fall Semester. CE to CU credit may be awarded for previous emergency medical training. Students should consult with their academic advisor.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ANY of the following Courses:
- ENG114 - Professional Research & Reporting (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sciences

Complete ANY of the following Courses:
- POL130 - State & Local Government (3 cr)
- POL120 - American Government (3 cr)

Mathematics

Complete ANY of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Major Courses

Complete ALL of the following Courses:
- EMS110 - EMT (9 cr)
- EPT150 - Incident Management (3 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)

Major Course Curriculum

32 additional credit hours must be chosen from a combination of major courses for curriculums approved to be offered by the college. Work-based Learning may be included up to a maximum of 8 semester hours of credit.

Other Required Courses

Other Required Courses
Type

Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

A55280RT - Associate in General Occupational Tech - Pre-RT

Overview

Program Title
Associate in General Occupational Tech - Pre-RT

Program Code
A55280RT

Degree Designation
Associate in Science

Department
Healthcare Programs

Minimum Required Credit Hours
64

Description

Program Description
This is program is for those who wish to enter the Respiratory Therapy program through our Instructional Service Agreement with Soutwestern Community College. This offers the general education requirements necessary to be completed for those looking to enroll in the respiratory therapy degree. Through tthe collaborative agreement, students are dually admitted to both Blue Ridge Community College and Southwestern Community College (SCC). The Associate of Applied Sciences in Respiratory Therapy degree is conferred by SCC. This program is offered onsite at the Transylvania County Campus located in Brevard, NC. Eligibility, admission criteria, and program information can be found at www.southwesterncc.edu/healt-sciences/respiratory-therapy.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications I

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Communications II

Complete ANY of the following Courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Mathematics

Earn at least 3 credits from the following:

- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)

- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Social/Behavioral Sciences

Enroll in the following Courses:

- PSY150 - General Psychology (3 cr)

Humanities

Earn at least 3 credits from the following:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM140 - Introduction to Intercultural Communication (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- HUM110 - Technology and Society (3 cr)
- HUM160 - Introduction to Film (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Natural Sciences

Complete ALL of the following Courses:

- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Other Major Hours - Electives List

Electives
Type
Completion Requirement

Electives

Complete ALL of the following Course Sets:

- AA/AS General Education Courses

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits **Total Major Credits**
0 0
Total Minor Credits **Total Elective Credits**
0 0

A55280WP - Wingate Pre-Pharmacy

Overview

Program Title
Wingate Pre-Pharmacy

Program Code
A55280WP

Degree Designation
Associate in Science

Department
Healthcare Programs

Articulation Agreement
AS Transfer Pathway

Minimum Required Credit Hours
62

Description

Program Description
The Wingate University School of Pharmacy and Blue Ridge Community College partner in an effort to outline a specific pathway for students to obtain an Associate in Science Degree that also meets the prerequisite coursework requirements for application to the Wingate University School of Pharmacy. Completion of the Associate in Science degree or the listed courses does not guarantee admission to Wingate University School of Pharmacy. Acceptance into Wingate University School of Pharmacy is competitive based grades from individual courses listed below, the pharmacy school assessment test (PCAT) scores, and a personal interview.

The courses listed are required in order to apply for admission to the Wingate University School of Pharmacy. The courses listed will satisfy Blue Ridge Community College requirements for the Associate in Science degree. Other courses may be used to complete the Associate in Science degree but may not meet the requirements for application to Wingate University School of Pharmacy. All pharmacy prerequisites must be completed by the end of the Spring Semester of the year in which pharmacy school enrollment is requested. All pre-reqs should be completed within a 5 year time limit. There may be an exception to this rule if you are currently working in a healthcare field. Please check with Wingate. International coursework will not be accepted at Wingate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Students who do not meet one of the requirements for MAT 271 must also take MAT 171 and MAT 172.

For more detailed information about the Pharmacy pathway, contact the Dean of Health Sciences.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Social/Behavioral Sciences

Earn at least 6 credits from the following:
- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY281 - Abnormal Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)
- SOC213 - Sociology of the Family (3 cr)
- SOC220 - Social Problems (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT271 - Calculus I (4 cr)
- MAT152 - Statistical Methods I (4 cr)

Natural Sciences

Complete ALL of the following Courses:
- BIO111 - General Biology I (4 cr)
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)
- BIO275 - Microbiology (4 cr)
- CHM151 - General Chemistry I (4 cr)
- CHM152 - General Chemistry II (4 cr)
- CHM251 - Organic Chemistry I (4 cr)
- CHM252 - Organic Chemistry II (4 cr)

This is a required group

Humanities/Fine Arts

Complete at least 6 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA111 - Theatre Appreciation (3 cr)

- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Electives

Earn at least 3 credits from the following:

- AA/AS Electives

Student Success

Enroll in the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
75 - 76

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry
- **AND** MAT271 - Calculus I
- **AND** CHM151 - General Chemistry I
- **AND** BIO168 - Anatomy and Physiology I

Minimum Grade C
Area Major
Actual Credits 16

Year	Semester	Actual Credits
Year 1	Spring	15

Requirement Select

- ENG112 - Writing & Research in the Disciplines
- **AND** CHM152 - General Chemistry II
- **AND** BIO169 - Anatomy and Physiology II
- **AND** MAT152 - Statistical Methods I

Minimum Grade C
Area Major
Actual Credits 15

Year	Semester	Actual Credits
Year 1	Summer	16

Requirement Select

- BIO275 - Microbiology
- **AND** COM231 - Public Speaking

Minimum Grade C
Area Major
Actual Credits 7

Requirement Select

- Humanities (AAS)

Minimum Grade D
Area Elective
Actual Credits 6

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Fall	15

Requirement Select

- CHM251 - Organic Chemistry I
- **AND** BIO111 - General Biology I

Minimum Grade C
Area Major
Actual Credits 8

Requirement Select

- PHY151 - College Physics I
  OR
- PHY251 - General Physics I

Minimum Grade C
Area Major
Actual Credits 4

Requirement Select
- Humanities/Social Science Elective (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	13 - 14

Requirement Select
- CHM252 - Organic Chemistry II

Minimum Grade	C
Area	Major
Actual Credits	4

Requirement Select
- ENG231 - American Literature I
  OR
- ENG232 - American Literature II
  OR
- ENG241 - British Literature I
  OR
- ENG242 - British Literature II

Minimum Grade	C
Area	Major
Actual Credits	3

Requirement Select
- ECO251 - Principles of Microeconomics
  OR
- ECO252 - Principles of Macroeconomics

Minimum Grade	C
Area	Major
Actual Credits	3

Requirement Select
- Humanities/Social Science Elective (Milestone)

Minimum Grade	C
Area	Elective
Actual Credits	3 - 4

Total General Education Credits	Total Major Credits
0	60
Total Minor Credits	**Total Elective Credits**
0	12 - 13

A55300 - Interpreter Education

Overview

Program Title
Interpreter Education

Program Code
A55300

Degree Designation
Associate in Applied Science

Department
Interpreter Education Programs

Minimum Required Credit Hours
70

Description

Program Description
The Interpreter Education curriculum prepares individuals to work as entry-level Sign Language Interpreters who will provide communication access in interview and interactive settings. In addition, this curriculum provides in-service training for working interpreters who want to upgrade their skills.

Course work includes the acquisition of American Sign Language (ASL); grammar, structure, and sociolinguistic properties; cognitive processes associated with interpretation between ASL and English; the structure and character of the deaf community; and acquisition of consecutive and simultaneous interpreting skills.

Entry-level jobs for para-professional interpreters are available in educational systems or a variety of community settings. Individuals may choose from part-time, full-time, or self-employment/free lance positions or apply language skills to other human service related areas. This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Expression	Students will express themselves correctly, fluently, clearly in the target or source language (English or ASL)

PLO Short Name Code of conduct	Students will demonstrate legal, moral and ethical responsibilities of the Code of Professional Conduct (CPC) as it relates to professional practice in a variety of settings

PLO Short Name Mediation	Students will mediate cultural differences between Deaf and Hearing participants

PLO Short Name Interpretation	Students will interpret correctly, fluently, clearly in the target or source language (English or ASL)

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Science

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Interpreter Education

Complete ALL of the following Courses:
- ASL111 - Elementary ASL I (3 cr)
- ASL112 - Elementary ASL II (3 cr)
- ASL211 - Intermediate ASL I (3 cr)
- ASL250 - Linguistics of American Sign Language (3 cr)
- IPP111 - Introduction to Interpretation (3 cr)
- IPP112 - Comparative Cultures (3 cr)
- IPP152 - ASL/English Translation (3 cr)
- IPP161 - Consecutive Interpreting (5 cr)
- IPP221 - Simultaneous Interpreting (5 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL115 - Work-Based Learning Seminar I (1 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Interpreter Education

Complete ALL of the following Courses:
- ASL181 - ASL Lab 1 (1 cr)
- ASL182 - ASL Lab 2 (1 cr)
- ASL212 - Intermediate ASL II (3 cr)
- ASL221 - Advanced American Sign Language I (3 cr)
- ASL222 - Advanced American Sign Language II (3 cr)
- ASL281 - ASL Lab 3 (1 cr)
- ASL282 - ASL Lab 4 (1 cr)
- IPP130 - Analytical Skills for Interpreting (3 cr)
- IPP222 - Simultaneous Interpreting II (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
70 - 71

Year	Semester	Actual Credits
Year 1	Fall	18

Requirement Select

- ASL111 - Elementary ASL I
- **AND** ASL112 - Elementary ASL II
- **AND** ASL181 - ASL Lab 1
- **AND** ASL182 - ASL Lab 2
- **AND** IPP111 - Introduction to Interpretation
- **AND** IPP112 - Comparative Cultures

Minimum Grade D
Area Major
Actual Credits 14

Requirement Select

- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade -
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- ASL211 - Intermediate ASL I
- **AND** ASL212 - Intermediate ASL II
- **AND** ASL281 - ASL Lab 3
- **AND** ASL282 - ASL Lab 4
- **AND** ASL250 - Linguistics of American Sign Language
- **AND** IPP130 - Analytical Skills for Interpreting
- **AND** IPP152 - ASL/English Translation

Minimum Grade D
Area Major
Actual Credits 17

Year	Semester	Actual Credits
Year 1	Summer	11 - 12

Requirement Select

- ASL221 - Advanced American Sign Language I
- **AND** IPP161 - Consecutive Interpreting

Minimum Grade D
Area Major
Actual Credits 8

Requirement Select

- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select

- ASL222 - Advanced American Sign Language II
- **AND** IPP221 - Simultaneous Interpreting

Minimum Grade D
Area Major
Actual Credits 8

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select

- Humanities (AAS)

Minimum Grade -
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Spring	10

Requirement Select

- IPP222 - Simultaneous Interpreting II
- **AND** WBL111 - Work-Based Learning I
- **AND** WBL115 - Work-Based Learning Seminar I

Minimum Grade D
Area Major
Actual Credits 7

Requirement Select
- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
16 - 17	54
Total Minor Credits	**Total Elective Credits**
0	0

A55480EF - Public Safety Administration - Emergency & Fire - AAS

Overview

Program Title
Public Safety Administration - Emergency & Fire - AAS

Program Code
A55480EF

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
66

Description

Program Description
The Public Safety Administration curriculum is designed to prepare graduates to enter the workforce as Emergency & Fire Management or in Law Enforcement. Additionally, the program can provide an Associate Degree for individuals desiring an opportunity for career enhancement. The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, hospital clinical experience, and field internships with emergency medical, fire service and law enforcement agencies.

This curriculum complies with the standard approved by the State Board of Community Colleges. Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ALL of the following Courses:
- ENG112 - Writing & Research in the

Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Science

Complete ALL of the following Courses:
- POL130 - State & Local Government (3 cr)

Mathematics

Complete ANY of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

MAT152 Recommended

Technical Core

Technical Core
Type
Completion Requirement

Public Policy

Complete ALL of the following Courses:
- PAD151 - Introduction to Public Administration (3 cr)
- PAD252 - Public Policy Analysis (3 cr)
- PAD254 - Grant Writing (3 cr)

Concentration Requirements

Complete at least 1 of the following:

Governing

Complete ALL of the following Courses:
- FIP152 - Fire Protection Law (3 cr)

OR

Finance

Complete ANY of the following Courses:
- FIP228 - Local Government Finance (3 cr)
- PAD251 - Public Finance and Budgeting (3 cr)

OR

Incident Management

Complete ALL of the following Courses:
- EPT150 - Incident Management (3 cr)

OR

Management

Complete ANY of the following Courses:
- EMS235 - EMS Management (2 cr)
- FIP276 - Managing Fire Services (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Emergency and Fire Mgmt Services

Choose 24 SHC from EMT, EPT, EMS, FIP, or PST (Maximum of 9 hours PST)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Management and Leadership

Complete ALL of the following Courses:
- BUS137 - Principles of Management (3 cr)
- LDR110 - Introduction to Leadership (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence

Total Degree Map Credits
46 - 47

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select
- ACA122 - College Transfer Success
- **AND** PAD151 - Introduction to Public Administration
- **AND** LDR110 - Introduction to Leadership

Minimum Grade D
Area General Education
Actual Credits 7

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select
- ENG111 - Writing and Inquiry
- **AND** PAD152 - Ethics in Government

Minimum Grade D
Area General Education
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select
- FIP228 - Local Government Finance
- **AND** POL130 - State & Local Government

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select
- PAD252 - Public Policy Analysis
- **AND** PAD254 - Grant Writing

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Summer	15 - 16

Requirement Select
- ENG114 - Professional Research & Reporting
- **AND** EPT150 - Incident Management

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select
- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade D
Area General Education
Actual Credits 6 - 7

Requirement Select
- Humanities (AAS)

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Fall 1	6

Requirement Select
- BUS137 - Principles of Management
- **AND** FIP276 - Managing Fire Services

Minimum Grade D
Area Major
Actual Credits 6

Total General Education Credits	Total Major Credits
19 - 20	24
Total Minor Credits	**Total Elective Credits**
0	0

A55480LE - Public Safety Administration – Law Enforcement - AAS

Overview

Program Title
Public Safety Administration – Law Enforcement - AAS

Program Code
A55480LE

Degree Designation
Associate in Applied Science

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
64

Description

Program Description
The Public Safety Administration curriculum is designed to prepare graduates to enter the workforce as Emergency & Fire Management or in Law Enforcement. Additionally, the program can provide an Associate Degree for individuals desiring an opportunity for career enhancement. The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, hospital clinical experience, and field internships with emergency medical, fire service, and law enforcement agencies.

This curriculum complies with the standard approved by the State Board of Community Colleges. Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ANY of the following Courses:
- ENG114 - Professional Research & Reporting (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Science

Complete ALL of the following Courses:
- POL130 - State & Local Government (3 cr)

Mathematics

Complete ANY of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

MAT152 Recommended

Technical Core

Technical Core
Type
Completion Requirement

Public Policy

Complete ALL of the following Courses:
- PAD151 - Introduction to Public Administration (3 cr)
- PAD252 - Public Policy Analysis (3 cr)
- PAD254 - Grant Writing (3 cr)

Concentration Requirements

Complete at least 1 of the following:

Governing

Complete ALL of the following Courses:
- PAD152 - Ethics in Government (3 cr)

OR

Finance

Complete ANY of the following Courses:
- PAD251 - Public Finance and Budgeting (3 cr)

OR

Incident Management

Complete ANY of the following Courses:

- CJC170 - Critical Incident Management Public Safety (3 cr)
- EPT150 - Incident Management (3 cr)

OR

Management

Complete ANY of the following Courses:

- CJC240 - Law Enforcement Management & Supervision (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Law Enforcement Services Pathway

Choose 24 SHC from: CJC/PST course prefixes including BLET (Maximum of 9 hours PST)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Management and Leadership

Complete ALL of the following Courses:

- BUS137 - Principles of Management (3 cr)
- LDR110 - Introduction to Leadership (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
43 - 44

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACA122 - College Transfer Success
  OR
- PAD151 - Introduction to Public Administration
  OR
- LDR110 - Introduction to Leadership

Minimum Grade	D
Area	General Education
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- ENG111 - Writing and Inquiry
  OR
- PAD152 - Ethics in Government

Minimum Grade	D
Area	General Education
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- PAD251 - Public Finance and Budgeting
  OR
- POL130 - State & Local Government

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- PAD252 - Public Policy Analysis
  OR
- PAD254 - Grant Writing

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	12 - 13

Requirement Select

- ENG114 - Professional Research & Reporting

OR

- EPT150 - Incident Management

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- MAT152 or MAT110 or MAT143 (Milestone)

OR

- 3 Credits must be selected from the Humanities/ Fine Arts list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	6 - 7

Year	Semester	Actual Credits
Year 2	Fall 1	6

Requirement Select

- BUS137 - Principles of Management

OR

- CJC240 - Law Enforcement Management & Supervision

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
19 - 20	24
Total Minor Credits	**Total Elective Credits**
0	0

A60130 - Collision Repair and Refinishing Technology

Overview

Program Title
Collision Repair and Refinishing Technology

Program Code
A60130

Degree Designation
Associate in Applied Science

Department
Transportation Programs

Minimum Required Credit Hours
67

Description

Program Description
Mobile Equipment Maintenance and Repair Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/ electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen.

Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Collision Repair and Refinishing program description: The collision repair and refinishing program prepares individuals to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Topics include instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Practice safe	Practice safe handling of tools and hazardous material in accordance with State and Federal Regulations.

PLO Short Name Assess damage	Assess damage for repair process, including tools or materials based on requirements of the repair/refinish job.

PLO Short Name Diagnose and repair	Diagnose and repair basic structural auto body damage in accordance to manufacture and I-CAR standards.

PLO Short Name Diagnose and repair	Diagnose and repair basic non-structural auto body damage in accordance to manufacture and I-CAR standards.

PLO Short Name Demonstrate	Demonstrate professional skills within an industry setting.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:

- Humanities (AAS)

Social/Behavioral Sci

Complete at least 1 courses in the following course sets:

- Social/Behavioral Science Electives (AAS)

Mathematics

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Communications Requirement

Complete at least 1 of the following:

Vocational Pathway

Complete ALL of the following Courses:

- ENG110 - Workplace Writing Essentials (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)

OR

Transfer Pathway

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- AUB111 - Painting & Refinishing I (4 cr)
- AUB112 - Painting & Refinishing II (4 cr)
- AUB121 - Non-Structural Damage I (3 cr)
- AUB131 - Structural Damage I (4 cr)
- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)
- TRN140 - Transportation Climate Control (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- AUB114 - Special Finishes (2 cr)
- AUB122 - Non-Structural Damage II (4 cr)
- AUB132 - Structural Damage II (4 cr)
- AUB150 - Automotive Detailing (2 cr)

- AUB160 - Body Shop Operations (1 cr)
- AUB162 - Autobody Estimating (2 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)
- TRN180 - Basic Welding for Transportation (3 cr)
- TRN180A - Basic Welding for Transp Lab (1 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
67

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ACA115 - Success & Study Skills

OR

- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- AUB111 - Painting & Refinishing I

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select

- AUB121 - Non-Structural Damage I

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- TRN120 - Basic Transportation Electricity

Minimum Grade D
Area Major
Actual Credits 5

Requirement Select

- TRN130 - Introduction to Sustainable Transportation

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	14

Requirement Select

- AUB112 - Painting & Refinishing II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select

- AUB122 - Non-Structural Damage II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select

- ENG110 - Workplace Writing Essentials

OR

- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select

- Humanities (AAS)

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	11

Requirement Select
- AUB114 - Special Finishes

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- AUB150 - Automotive Detailing

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- MAT110 - Math Measurement & Literacy

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- TRN140 - Transportation Climate Control

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- TRN140A - Transportation Climate Control Lab

Minimum Grade	D
Area	Major
Actual Credits	2

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select
- AUB131 - Structural Damage I

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- AUB160 - Body Shop Operations
- **AND** AUB162 - Autobody Estimating

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- TRN111 - Chassis Maintenance/Light Repair

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Spring	12

Requirement Select
- AUB132 - Structural Damage II

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select
- COM120 - Introduction to Interpersonal Communication
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- TRN180 - Basic Welding for Transportation

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select
- TRN180A - Basic Welding for Transp Lab

Minimum Grade	D
Area	Major
Actual Credits	1

Requirement Select
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	1

Total General Education Credits	Total Major Credits
16	51
Total Minor Credits	**Total Elective Credits**
0	0

A60160 - Automotive Systems Technology - AAS

Overview

Program Title
Automotive Systems Technology - AAS

Program Code
A60160

Degree Designation
Associate in Applied Science

Department
Transportation Programs

Minimum Required Credit Hours
69

Description

Program Description
Mobile Equipment Maintenance and Repair Pathway Description:
Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen.

Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Systems Technology program description:
The Automotive Systems Technology program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Safety	Work safely and responsibly within all shop standards and environmental guidelines.

PLO Short Name Automotive principles	Apply automotive system principles according to the ASE Education Foundation Certified areas

PLO Short Name Apply information	Interpret and apply information from various transportation prepared manual resources.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Transfer Pathway

Complete at least 1 of the following:

Transfer Pathway

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

OR

Vocational Pathway

Complete ALL of the following Courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)

Humanities/Fine Arts

Complete at least 1 courses in the following course sets:
- Humanities (AAS)

Social/Behavioral Sciences

Complete at least 1 courses in the following course sets:
- Social/Behavioral Science Electives (AAS)

Mathematics

Complete ALL of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:
- AUT141 - Suspension & Steering Systems (3 cr)
- AUT151 - Brake Systems (3 cr)
- AUT181 - Engine Performance 1 (3 cr)
- AUT183 - Engine Performance 2 (4 cr)
- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN112 - Powertrain Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)
- TRN140 - Transportation Climate Control (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Requirements

Complete ALL of the following Courses:
- AUT116 - Engine Repair (3 cr)
- AUT151A - Brakes Systems Lab (1 cr)
- AUT181A - Engine Performance 1 Lab (1 cr)
- AUT221 - Automatic Transmission/Transaxles (3 cr)
- AUT231 - Manual Transmissions, Trans-Axles, Drivetrains (3 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)
- TRN145 - Advanced Transportation Electronics (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Electives

Earn at least 6 credits from the following:

- ATT125 - Hybrid-Electric Transportation (4 cr)
- LDD116 - Diesel Electric-Drive (4 cr)
- ATT135 - Gaseous Fuels for Transportation (3 cr)
- AUT116A - Engine Repair Lab (1 cr)
- AUT141A - Suspension & Steering Lab (1 cr)
- HET134 - Diesel Fuel & Power Systems (3 cr)
- LDD112 - Introduction to Light-Duty Diesel (3 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL122 - Work-Based Learning II (2 cr)
- WBL131 - Work-Based Learning III (1 cr)
- WBL132 - Work-Based Learning III (2 cr)
- AUB144 - Mech & Elec Specialties (cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
72

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select

- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- AUT151 - Brake Systems
- **AND** AUT151A - Brakes Systems Lab
- **AND** TRN111 - Chassis Maintenance/Light Repair
- **AND** TRN120 - Basic Transportation Electricity

Minimum Grade D
Area Major
Actual Credits 13

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- AUT141 - Suspension & Steering Systems
- **AND** AUT181 - Engine Performance 1
- **AND** AUT181A - Engine Performance 1 Lab

Minimum Grade D
Area Major
Actual Credits 7

Requirement Select

- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 7

Requirement Select

- Humanities (AAS)

Minimum Grade -
Area -
Actual Credits 3

Requirement Select

- 1 Credit must be selected from the list of Major Course Elective (Milestone)

Minimum Grade -
Area -
Actual Credits -

Year	Semester	Actual Credits
Year 1	Summer	11

Requirement Select

- AUT183 - Engine Performance 2
- **AND** MAT110 - Math Measurement & Literacy
- **AND** TRN140 - Transportation Climate Control
- **AND** TRN140A - Transportation Climate Control Lab

Minimum Grade	D
Area	Major
Actual Credits	11

Year	Semester	Actual Credits
Year 2	Fall	14

Requirement Select

- AUT116 - Engine Repair
- **AND** TRN112 - Powertrain Maintenance/Light Repair
- **AND** TRN145 - Advanced Transportation Electronics

Minimum Grade	D
Area	Major
Actual Credits	10

Requirement Select

- COM120 - Introduction to Interpersonal Communication
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	D
Area	General Education
Actual Credits	4

Requirement Select

- 1 Credit must be selected from the list of Major Course Elective (Generic)

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 2	Spring	16

Requirement Select

- AUT231 - Manual Transmissions, Trans-Axles, Drivetrains

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- Social/Behavioral Science Electives (AAS)

Minimum Grade	D
Area	General Education
Actual Credits	10

Requirement Select

- AUT221 - Automatic Transmission/Transaxles

Minimum Grade	-
Area	-
Actual Credits	3

Total General Education Credits	Total Major Credits
22	44
Total Minor Credits	**Total Elective Credits**
0	0

C15240BG - Horticulture Technology – Basic Greenhouse Automation Certificate

Overview

Program Title
Horticulture Technology – Basic Greenhouse Automation Certificate

Program Code
C15240BG

Degree Designation
Certificate

Department
Horticulture Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Completion of MAT 003 at level P3 or placement into MAT 171 is strongly suggested for success in this certificate.

This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Pest Management

Complete ALL of the following Courses:
- HOR164 - Horticultural Pest Management (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:
- ATR112 - Introduction to Automation (3 cr)
- ATR219 - Automation Troubleshooting (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- MNT110 - Introduction to Maintenance Procedures (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select
- ELC128 - Intro to PLC
- **AND** ELC131 - Circuit Analysis I
- **AND** MNT110 - Introduction to Maintenance Procedures

Minimum Grade	D
Area	General Education
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select
- ATR112 - Introduction to Automation
- **AND** ATR219 - Automation Troubleshooting
- **AND** HOR164 - Horticultural Pest Management

Minimum Grade	D
Area	General Education
Actual Credits	8

Total General Education Credits	Total Major Credits
17	0
Total Minor Credits	**Total Elective Credits**
0	0

C15240BH - Horticulture Technology - Business of Horticulture

Overview

Program Title
Horticulture Technology - Business of Horticulture

Program Code
C15240BH

Degree Designation
Certificate

Department
Horticulture Programs

Minimum Required Credit Hours
12

Description

Program Description
Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- HOR166 - Soils & Fertilizers (3 cr)

Other Major Hours - Required

Other Major Hours Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- HOR152 - Horticultural Practices (1 cr)
- HOR118 - Equipment Operations & Maintenance (2 cr)
- BUS245 - Entrepreneurship II (3 cr)
- BUS139 - Entrepreneurship I (3 cr)

C15240H - Ornamental Plant Production

Overview

Program Title
Ornamental Plant Production

Program Code
C15240H

Degree Designation
Certificate

Department
Horticulture Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- HOR168 - Plant Propagation (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- AGR121 - Biological Pest Management (3 cr)
- HOR124 - Nursery Operations (3 cr)
- HOR164 - Horticultural Pest Management (3 cr)
- HOR235 - Greenhouse Production (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

C15240L - Horticulture Technology - Landscape Certificate

Overview

Program Title
Horticulture Technology - Landscape Certificate

Program Code
C15240L

Degree Designation
Certificate

Department
Horticulture Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.
Landscape Gardening: A program that prepares individuals to manage and maintain indoor and/or outdoor
ornamental and recreational plants and groundcovers and related conceptual designs established by landscape architects, interior designers, enterprise owners or managers, and individual clients. Potential course work includes instruction in applicable principles of horticulture, gardening, plant and soil irrigation and nutrition, turf maintenance, plant maintenance, equipment operation and maintenance, personnel supervision, and purchasing.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- HOR112 - Landscape Design I (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- HOR114 - Landscape Construction (3 cr)
- HOR118 - Equipment Operations & Maintenance (2 cr)
- HOR213 - Landscape Design II (3 cr)
- HOR215 - Landscape Irrigation (3 cr)
- HOR164 - Horticultural Pest Management (3 cr)

Recommended Course Sequence

Degree Map Name
Landscaping Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	-	17

Requirement Select

- HOR112 - Landscape Design I
- **AND** HOR114 - Landscape Construction
- **AND** HOR116 - Landscape Management I
- **AND** HOR118 - Equipment Operations & Maintenance
- **AND** HOR213 - Landscape Design II
- **AND** HOR215 - Landscape Irrigation

Minimum Grade	-
Area	-
Actual Credits	17

Total General Education Credits 0
Total Major Credits 0
Total Minor Credits 0
Total Elective Credits 0

C15240LP - Horticulture Technology-CCP Landscape Certificate

Overview

Program Title
Horticulture Technology-CCP Landscape Certificate

Program Code
C15240LP

Degree Designation
High School Program - CCP

Department
Horticulture Programs

Minimum Required Credit Hours
17

Description

Program Description
Landscape Gardening: A program that prepares individuals to manage and maintain indoor and/or outdoor
ornamental and recreational plants and groundcovers and related conceptual designs established by landscape architects, interior designers, enterprise owners or managers, and individual clients. Potential course work includes instruction in applicable principles of horticulture, gardening, plant and soil irrigation and nutrition, turf maintenance, plant maintenance, equipment operation and maintenance, personnel supervision, and purchasing.

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- HOR112 - Landscape Design I (3 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:
- HOR114 - Landscape Construction (3 cr)
- HOR118 - Equipment Operations & Maintenance (2 cr)
- HOR213 - Landscape Design II (3 cr)
- HOR215 - Landscape Irrigation (3 cr)
- HOR164 - Horticultural Pest Management (3 cr)

C15240SF - Small Fruits/Specialty Crops

Overview

Program Title
Small Fruits/Specialty Crops

Program Code
C15240SF

Degree Designation
Certificate

Department
Horticulture Programs

Minimum Required Credit Hours
14

Description

Program Description
Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- HOR168 - Plant Propagation (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- AGR121 - Biological Pest Management (3 cr)
- AGR265 - Organic Crop Production: Spring (3 cr)
- HOR142 - Fruit & Vegetable Production (2 cr)
- HOR245 - Horticulture Specialty Crops (3 cr)

C15240TM - Horticulture-Turfgrass Management

Overview

Program Title
Horticulture-Turfgrass Management

Program Code
C15240TM

Degree Designation
Certificate

Department
Horticulture Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, see page 52 or speak to a program advisor.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Hours-Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- GCM220 - Golf Course Maintenance Systems (3 cr)
- HOR118 - Equipment Operations & Maintenance (2 cr)
- HOR215 - Landscape Irrigation (3 cr)
- TRF110 - Introduction Turfgrass Cultivation & ID (4 cr)
- TRF260 - Advanced Turfgrass Management (4 cr)

C15240TP - Horticulture Technology-CCP Turfgrass Certificate

Overview

Program Title
Horticulture Technology-CCP Turfgrass Certificate

Program Code
C15240TP

Degree Designation
High School Program - CCP

Department
Horticulture Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Required Courses

Complete ALL of the following Courses:

- GCM220 - Golf Course Maintenance Systems (3 cr)
- HOR118 - Equipment Operations & Maintenance (2 cr)
- HOR215 - Landscape Irrigation (3 cr)
- TRF110 - Introduction Turfgrass Cultivation & ID (4 cr)
- TRF260 - Advanced Turfgrass Management (4 cr)

C15250BR - Brewing Distillation and Fermentation – Brewing Basics Certificate

Overview

Program Title
Brewing Distillation and Fermentation – Brewing Basics Certificate

Program Code
C15250BR

Degree Designation
Certificate

Department
Brewing Programs

Minimum Required Credit Hours
16

Description

Program Description
NCCCS requires that all students must be 21 years of age or older by the start of all BDF and VEN prefix courses.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

It is strongly recommended to be currently enrolled in MAT 110 or to have completed MAT 110 with a grade of C or better for successful completion of this certificate.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:

- BDF110 - Fermentation Production (4 cr)
- BDF111 - BDF Safety & Sanitation (2 cr)
- BDF125 - Bev Tech & Calculations (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ALL of the following Courses:

- BDF114 - Craft Beer Brewing (2 cr)
- BDF180 - Sensory Evaluation (3 cr)
- BDF225 - Filtration & Finishing (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	4

Requirement Select

- BDF111 - BDF Safety & Sanitation
  OR
- BDF125 - Bev Tech & Calculations

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring	10

Requirement Select

- BDF110 - Fermentation Production
  OR
- BDF180 - Sensory Evaluation
  OR
- BDF225 - Filtration & Finishing

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 2	Fall 2	2

Requirement Select

- BDF114 - Craft Beer Brewing

Minimum Grade	D
Area	-
Actual Credits	2

Total General Education Credits	Total Major Credits
0	14
Total Minor Credits	**Total Elective Credits**
0	0

C15250CE - Brewing Distillation and Fermentation – Cellaring Basics Certificate

Overview

Program Title
Brewing Distillation and Fermentation – Cellaring Basics Certificate

Program Code
C15250CE

Degree Designation
Certificate

Department
Brewing Programs

Minimum Required Credit Hours
17

Description

Program Description
NCCCS requires that all students must be 21 years of age or older by the start of all BDF and VEN prefix courses.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

It is strongly recommended to be currently enrolled in MAT 110 or to have completed MAT 110 with a grade of C or better for successful completion of this certificate.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:

- BDF110 - Fermentation Production (4 cr)
- BDF111 - BDF Safety & Sanitation (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ALL of the following Courses:

- BDF115 - Applied Craft Bev Microbiology (4 cr)
- BDF225 - Filtration & Finishing (3 cr)
- BDF236 - Brewing/Packaging Maintenance (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	5

Requirement Select

- BDF111 - BDF Safety & Sanitation
  OR
- BDF225 - Filtration & Finishing

Minimum Grade	D
Area	Major
Actual Credits	5

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select

- BDF110 - Fermentation Production
  OR
- BDF115 - Applied Craft Bev Microbiology
  OR
- BDF236 - Brewing/Packaging Maintenance

Minimum Grade	D
Area	Major
Actual Credits	12

Total General Education Credits	Total Major Credits
0	17
Total Minor Credits	**Total Elective Credits**
0	0

C15250DI - Brewing Distillation and Fermentation – Distillation Certificate

Overview

Program Title
Brewing Distillation and Fermentation – Distillation Certificate

Program Code
C15250DI

Degree Designation
Certificate

Department
Brewing Programs

Minimum Required Credit Hours
18

Description

Program Description
NCCCS requires that all students must be 21 years of age or older by the start of all BDF and VEN prefix courses

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

It is strongly recommended to be currently enrolled in MAT 110 or to have completed MAT 110 with a grade of C or better for successful completion of this certificate.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:

- BDF110 - Fermentation Production (4 cr)
- BDF111 - BDF Safety & Sanitation (2 cr)
- BDF115 - Applied Craft Bev Microbiology (4 cr)
- BDF125 - Bev Tech & Calculations (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ALL of the following Courses:

- BDF175 - Distillation Operations (4 cr)
- BDF117 - Distillation Methods (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	4

Requirement Select

- BDF111 - BDF Safety & Sanitation
  OR
- BDF125 - Bev Tech & Calculations

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- BDF110 - Fermentation Production
  OR
- BDF115 - Applied Craft Bev Microbiology

Minimum Grade	D
Area	Major
Actual Credits	8

Year	Semester	Actual Credits
-	-	6

Requirement Select

- BDF175 - Distillation Operations
  OR
- BDF117 - Distillation Methods

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C15250EQ - Brewing Distillation and Fermentation – Equipment, Packaging & Maintenance Certificate

Overview

Program Title
Brewing Distillation and Fermentation – Equipment, Packaging & Maintenance Certificate

Program Code
C15250EQ

Degree Designation
Certificate

Department
Brewing Programs

Minimum Required Credit Hours
17

Description

Program Description
NCCCS requires that all students must be 21 years of age or older by the start of all BDF and VEN prefix courses.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

It is strongly recommended to be currently enrolled in MAT 110 or to have completed MAT 110 with a grade of C or better for successful completion of this certificate.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:

- BDF111 - BDF Safety & Sanitation (2 cr)
- MNT110 - Introduction to Maintenance Procedures (2 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Hours

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- BDF236 - Brewing/Packaging Maintenance (4 cr)
- HYD110 - Hydraulics/Pneumatics I (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ANY of the following Courses:

- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)

Requirement Select

- ATR112 - Introduction to Automation
  OR
- BDF236 - Brewing/Packaging Maintenance

Minimum Grade	D
Area	Major
Actual Credits	7

Total General Education Credits	Total Major Credits
0	17 - 18
Total Minor Credits	**Total Elective Credits**
0	0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17 - 18

Year	Semester	Actual Credits
Year 1	Fall	10 - 11

Requirement Select

- BDF111 - BDF Safety & Sanitation
  OR
- HYD110 - Hydraulics/Pneumatics I
  OR
- MNT110 - Introduction to Maintenance Procedures

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select

- ELC 128 or ELC 131 (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 1	Spring	7

C15250WN - Brewing Distillation and Fermentation – Winemaking Basics Certificate

Overview

Program Title
Brewing Distillation and Fermentation – Winemaking Basics Certificate

Program Code
C15250WN

Degree Designation
Certificate

Department
Brewing Programs

Minimum Required Credit Hours
16

Description

Program Description
NCCCS requires that all students must be 21 years of age or older by the start of all BDF and VEN prefix courses

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

It is strongly recommended to be currently enrolled in MAT 110 or to have completed MAT 110 with a grade of C or better for successful completion of this certificate.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:
- BDF111 - BDF Safety & Sanitation (2 cr)
- BDF115 - Applied Craft Bev Microbiology (4 cr)
- BDF125 - Bev Tech & Calculations (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ALL of the following Courses:
- VEN133 - Intro to Winemaking (3 cr)
- VEN283 - Wine Production and Analysis (5 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	4

Requirement Select
- BDF111 - BDF Safety & Sanitation
  OR
- BDF125 - Bev Tech & Calculations

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Spring	4

Requirement Select
- BDF115 - Applied Craft Bev Microbiology

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
-	-	8

Requirement Select
- VEN133 - Intro to Winemaking
  OR
- VEN283 - Wine Production and Analysis

Minimum Grade D
Area Major
Actual Credits 8

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C25120AB - Business Administration - Business and Banking Apprenticeship Certificate

Overview

Program Title
Business Administration - Business and Banking Apprenticeship Certificate

Program Code
C25120AB

Degree Designation
Certificate

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
The Business and Banking Apprenticeship Certificate allows eligible high school graduates and adult learners to earn money while they learn about the fields of business or banking. The Business and Banking Apprenticeship Program is a registered North Carolina Apprenticeship with the N.C. Department of Labor. Students work at their apprenticeship company during weekdays with the exception of Wednesday when classes are conducted.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- BUS110 - Introduction to Business (3 cr)
- BUS137 - Principles of Management (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses - Required

Complete ALL of the following Courses:
- BUS125 - Personal Finance (3 cr)
- MKT223 - Customer Experience (3 cr)
- CTS130 - Spreadsheet (3 cr)

Other Major Hours - Electives List

Other Major Hours - Elective List
Type
Completion Requirement

Other Major Hours - Electives List

Earn at least 3 credits from the following:
- BAF110 - Principles of Banking (3 cr)
- BUS153 - Human Resource Management (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	6

Requirement Select
- BUS110 - Introduction to Business
- **AND** MKT223 - Customer Experience

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select
- BAF110 - Principles of Banking

OR
- BUS153 - Human Resource Management

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- BUS125 - Personal Finance
- **AND** BUS137 - Principles of Management

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C25120BA - Business Administration - Basic Certificate

Overview

Program Title	Program Code
Business Administration - Basic Certificate	C25120BA
Degree Designation	**Department**
Certificate	Business Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	16

Description

Program Description

The Business Administration Basic Certificate provides students the opportunity to begin to develop an understanding of the various aspects of the free enterprise system. The certificate is applicable across a wide range of potential businesses both for and not for profit and all coursework can be applied toward the Business Administration: General Business Pathway.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- MKT120 - Principles of Marketing (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall 1	6

Requirement Select
- BUS110 - Introduction to Business
- **AND** MKT120 - Principles of Marketing

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select
- CIS110 - Introduction to Computers
- **AND** BUS115 - Business Law I

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	4

Requirement Select
- BUS137 - Principles of Management
- **AND** WBL111 - Work-Based Learning I

Minimum Grade D
Area Major
Actual Credits 4

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C25120BF - Business Administration – Banking and Finance Certificate

Overview

Program Title
Business Administration – Banking and Finance Certificate

Program Code
C25120BF

Degree Designation
Certificate

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
The Banking and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the banking and finance profession. Banking and finance professionals assemble and analyze, process, and communicate essential information about banking and financial operations.

Graduates should qualify for entry-level banking and finance positions in many types of organizations including banks and financial businesses.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirement

Complete ALL of the following Courses:
- BUS110 - Introduction to Business (3 cr)
- CIS110 - Introduction to Computers (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration/Pathway

Complete ALL of the following Courses:
- BAF110 - Principles of Banking (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Required Courses

Complete ALL of the following Courses:

- BUS125 - Personal Finance (3 cr)
- BUS270 - Professional Development (3 cr)
- MKT223 - Customer Experience (3 cr)

Requirement Select

- BUS270 - Professional Development
- **AND** BUS125 - Personal Finance

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall 1	3

Requirement Select

- BUS110 - Introduction to Business

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- BAF110 - Principles of Banking
- **AND** MKT223 - Customer Experience

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring 1	3

Requirement Select

- CIS110 - Introduction to Computers

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 2	6

C25120BP - Business Administration - Banking and Finance CCP Certificate

Overview

Program Title
Business Administration - Banking and Finance CCP Certificate

Program Code
C25120BP

Degree Designation
High School Program - CCP

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
The Banking and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the banking and finance profession. Banking and finance professionals assemble and analyze, process, and communicate essential information about banking and financial operations.

Graduates should qualify for entry-level banking and finance positions in many types of organizations including banks and financial businesses.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- BUS110 - Introduction to Business (3 cr)
- BUS137 - Principles of Management (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- BUS125 - Personal Finance (3 cr)
  AND BUS270 - Professional Development (3 cr)
  AND MKT223 - Customer Experience (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- BAF110 - Principles of Banking (3 cr)
- BUS153 - Human Resource Management (3 cr)

C25120GD - Business Administration - Digital Marketing & Graphic Design Certificate

Overview

Program Title
Business Administration - Digital Marketing & Graphic Design Certificate

Program Code
C25120GD

Degree Designation
Certificate

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
13

Description

Program Description
Digital Marketing and Graphic Design positions are at the forefront of current industry trends in the field of marketing.

Positions in Graphic Design focus on the design of images, typography, or motion graphics to create a piece of design. This position creates graphics primarily for published, printed, or digital marketing efforts. As a direct compliment, positions in Digital marketing focus on the development, implementation, and analysis of online marketing efforts. Both positions with the opportunity to work collaboratively in the digital marketing landscape.

The Digital Marketing & Graphic Design certificate is designed to assist students in developing skills in typography and design using industry-standard software: and digital content development, strategy, implementation, and analytics, depending upon the course of study selected.

Upon completion of the Digital Marketing & Graphic Design Certificate, Students interested in pursuing the Business Administration: Marketing Associates Degree may use Digital Marketing & Graphic Design Certificate courses as course substitutions toward completion of the Business Administration: Marketing Associates degree.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Courses - Core
Type
Completion Requirement

Other Major Courses - Digital Marketing & Graphic Design

Complete ALL of the following Courses:

- DME115 - Digital Media Tools (3 cr)
  AND GRD141 - Graphic Design I (4 cr)
  AND GRA151 - Computer Graphics I (2 cr)

Other Major Hours - Electives

Complete at least 1 of the following:

Electives - Graphic Design

Complete ALL of the following Courses:

- DME215 - Advanced Graphic Design Tools (3 cr)
- GRD142 - Graphic Design II (4 cr)

OR

Digital Market

Complete ALL of the following Courses:

- WEB213 - Internet Mkt & Analytics (3 cr)
  AND WEB225 - Content Management Systems (3 cr)
  AND WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence - Digital Marketing
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- DME115 - Digital Media Tools
- **AND** GRD141 - Graphic Design I
- **AND** WEB225 - Content Management Systems

Minimum Grade D
Area Major
Actual Credits 10

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- GRA151 - Computer Graphics I
- **AND** WEB213 - Internet Mkt & Analytics
- **AND** WBL111 - Work-Based Learning I

Minimum Grade D
Area Major
Actual Credits 6

Total General Education Credits Total Major Credits

0	16
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
Recommended Course Sequence - Graphic Design
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	7

Requirement Select
- DME115 - Digital Media Tools
- **AND** GRD141 - Graphic Design I

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Spring	9

Requirement Select
- DME215 - Advanced Graphic Design Tools
- **AND** GRA151 - Computer Graphics I
- **AND** GRD142 - Graphic Design II

Minimum Grade	D
Area	Major
Actual Credits	9

Total General Education Credits	**Total Major Credits**
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C25120GP - Business Administration - Graphic Design CCP Certificate

Overview

Program Title
Business Administration - Graphic Design CCP Certificate

Program Code
C25120GP

Degree Designation
High School Program - CCP

Department
Business Programs

Fully online option available?
Yes

Description

Program Description
A graphic designer assembles together images, typography, or motion graphics to create a piece of design. A graphic designer creates the graphics primarily for published, printed or electronic media, such as brochures and advertising.

The Graphics and Design certificate is designed to provide students with knowledge and skills in the areas of typography and design using industry-standard software.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:
- DME115 - Digital Media Tools (3 cr)
- DME215 - Advanced Graphic Design Tools (3 cr)
- GRA151 - Computer Graphics I (2 cr)
- GRD141 - Graphic Design I (4 cr)

C25120L - Business Administration - Leadership Studies Certificate

Overview

Program Title
Business Administration - Leadership Studies Certificate

Program Code
C25120L

Degree Designation
Certificate

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
The Leadership Certificate provides students the opportunity to develop an understanding of the traits and tools of effective leaders. The certificate is applicable across a number of areas of our economy and all coursework can be applied toward the Leadership Diploma.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- BUS110 - Introduction to Business (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses - Required

Complete ALL of the following Courses:

- LDR110 - Introduction to Leadership (3 cr)
- LDR115 - Evidence-Based Leadership & Decision Making (3 cr)
- LDR225 - Leading Change (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall 1	6

Requirement Select

- BUS110 - Introduction to Business
- **AND** LDR110 - Introduction to Leadership

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- CIS110 - Introduction to Computers
- **AND** LDR115 - Evidence-Based Leadership & Decision Making

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- BUS137 - Principles of Management
- **AND** LDR225 - Leading Change

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C25120M - Business Administration: Marketing Certificate

Overview

Program Title
Business Administration: Marketing Certificate

Program Code
C25120M

Degree Designation
Certificate

Department
Business Programs

Fully online option available?
Yes

Description

Program Description
The Marketing curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the marketing profession. Marketing professionals identify the strategies and techniques used to attract customers to a business.

Graduates should qualify for entry-level marketing positions in many types of organizations including marketing firms and businesses of all sizes.

Program Requirements

Simple Requisites

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Conentration Pathway Hours - Marketing

Complete ALL of the following Courses:
- MKT220 - Advertising and Sales Promotions (3 cr)
- MKT225 - Marketing Research (3 cr)
- MKT232 - Social Media Marketing (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Required

Complete ALL of the following Courses:
- WEB213 - Internet Mkt & Analytics (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall 1	3

Requirement Select
- MKT120 - Principles of Marketing

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Fall 2	3

Requirement Select
- MKT220 - Advertising and Sales Promotions

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select
- MKT225 - Marketing Research

OR
- WEB213 - Internet Mkt & Analytics

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 2	4

Requirement Select
- MKT232 - Social Media Marketing

Minimum Grade D
Area Major
Actual Credits 4

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C25120MP - Business Administration - Marketing CCP Certificate

Overview

Program Title
Business Administration - Marketing CCP Certificate

Program Code
C25120MP

Degree Designation
High School Program - CCP

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
15

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- MKT120 - Principles of Marketing (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- MKT220 - Advertising and Sales Promotions (3 cr)
- MKT225 - Marketing Research (3 cr)
- MKT232 - Social Media Marketing (4 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- WEB213 - Internet Mkt & Analytics (3 cr)

C25120P - Business Admin - CCP Basic Certificate

Overview

Program Title
Business Admin - CCP Basic Certificate

Program Code
C25120P

Degree Designation
High School Program - CCP

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
15

Description

Program Description
The Business Administration Basic Certificate provides students the opportunity to begin to develop an understanding of the various aspects of the free enterprise system.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core - Business

Complete ALL of the following Courses:

- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- MKT120 - Principles of Marketing (3 cr)

C25310 - Medical Office Administration Certificate

Overview

Program Title
Medical Office Administration Certificate

Program Code
C25310

Degree Designation
Certificate

Department
Medical Office Administration Programs

Fully online option available?
Yes

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Complete ALL of the following Courses:

- OST136 - Word Processing (3 cr)
- OST141 - Medical Office Terms I (3 cr)
- OST142 - Medical Office Terms II (3 cr)
- OST148 - Medical Coding Billing & Insurance (3 cr)
- OST149 - Medical Legal Issues (3 cr)
- OST164 - Office Editing (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall 1	6

Requirement Select

- OST136 - Word Processing
  OR
- OST141 - Medical Office Terms I

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- OST142 - Medical Office Terms II
  OR
- OST148 - Medical Coding Billing & Insurance

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- OST149 - Medical Legal Issues
  OR
- OST164 - Office Editing

Minimum Grade D
Area Major
Actual Credits 6

Total General Education Credits 0
Total Major Credits 18
Total Minor Credits 0
Total Elective Credits 0

C25370 - Office Administration - Basic Office Certificate

Overview

Program Title
Office Administration - Basic Office Certificate

Program Code
C25370

Degree Designation
Certificate

Department
Office Administration Programs

Fully online option available?
Yes

Description

Program Description
This program is designed to prepare students to provide administrative support in an office setting. It will also serve as a source of trained support staff for employers. This program provides students the opportunity to earn Microsoft Office Specialist (MOS) Certifications as part of their coursework.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- OST136 - Word Processing (3 cr)
- OST164 - Office Editing (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Pathway - Basic Office

Complete ALL of the following Courses:

- OST134 - Text Entry & Formatting (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- CTS130 - Spreadsheet (3 cr)
- OST286 - Professional Development (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Other Major Elective Courses

Earn at least 1 credits from the following:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)
- ACC120 - Principles of Financial Accounting (4 cr)
- ACC140 - Payroll Accounting (2 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- BUS153 - Human Resource Management (3 cr)
- BUS230 - Small Business Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- LEX270 - Law Office Management/ Technology (2 cr)
- MED121 - Medical Terminology I (3 cr)
- MED122 - Medical Terminology II (3 cr)
- MKT120 - Principles of Marketing (3 cr)
- MKT223 - Customer Experience (3 cr)
- MKT232 - Social Media Marketing (4 cr)
- OST122 - Office Computations (3 cr)
- OST141 - Medical Office Terms I (3 cr)
- OST142 - Medical Office Terms II (3 cr)
- OST148 - Medical Coding Billing & Insurance (3 cr)
- OST149 - Medical Legal Issues (3 cr)
- OST153 - Office Finance Solutions (3 cr)
- OST155 - Legal Terminology (3 cr)
- OST243 - Medical Office Simulation (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL113 - Work-Based Learning I (3 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL122 - Work-Based Learning II (2 cr)
- WBL123 - Work-Based Learning II (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence

Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall 1	6

Requirement Select
- CTS130 - Spreadsheet
  OR
- OST136 - Word Processing

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Fall 2	3

Requirement Select
- OST134 - Text Entry & Formatting

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 1	4

Requirement Select
- OST164 - Office Editing

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- 1 credit must be selected from the Major Course Elective list (Milestone)

Minimum Grade D
Area Elective
Actual Credits 1

Year	Semester	Actual Credits
Year 1	Spring 2	3

Requirement Select
- OST286 - Professional Development

Minimum Grade D
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 15
Total Minor Credits 0
Total Elective Credits 1

C25370L - Office Administration - Legal Office Certificate

Overview

Program Title
Office Administration - Legal Office Certificate

Program Code
C25370L

Degree Designation
Certificate

Department
Business Programs

Fully online option available?
Yes

Description

Program Description
This program is designed to prepare students to provide administrative support in a legal office setting. The program is open to new students as well as those currently working in the legal assistants for remployers in the legal field.

Program Requirements

No Requirements

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits 0
Total Major Credits 0
Total Minor Credits 0
Total Elective Credits 0

C25370P - Office Administration Certificate - CCP

Overview

Program Title
Office Administration Certificate - CCP

Program Code
C25370P

Degree Designation
High School Program - CCP

Department
Office Administration Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This program is designed to prepare students to provide administrative support in an office setting. It will also serve as a source of trained support staff for employers. This program provides students the opportunity to earn Microsoft Office Specialist (MOS) Certifications as part of their coursework.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- OST134 - Text Entry & Formatting (3 cr)
- OST136 - Word Processing (3 cr)
- OST164 - Office Editing (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- CTS130 - Spreadsheet (3 cr)

C25370S - Office Administration - Office Specialist Certificate

Overview

Program Title
Office Administration - Office Specialist Certificate

Program Code
C25370S

Degree Designation
Certificate

Department
Office Administration Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This program is designed to prepare students to provide administrative support in an office setting. It will also serve as a source of trained support staff for employers. This program provides students the opportunity to earn Microsoft Office Specialist (MOS) Certifications as part of their coursework.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Core Class

Complete ALL of the following Courses:

- OST136 - Word Processing (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- CTS125 - Presentation Graphics (3 cr)
- CTS130 - Spreadsheet (3 cr)
- DBA110 - Database Concepts (3 cr)
- OST236 - Advanced Word Processing (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List

Type
Completion Requirement

Take 1 credit from these courses

Earn at least 1 credits from the following:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)
- ACC120 - Principles of Financial Accounting (4 cr)
- ACC140 - Payroll Accounting (2 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- BUS153 - Human Resource Management (3 cr)
- BUS230 - Small Business Management (3 cr)
- BUS270 - Professional Development (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- LEX270 - Law Office Management/ Technology (2 cr)
- MED121 - Medical Terminology I (3 cr)
- MED122 - Medical Terminology II (3 cr)
- MKT120 - Principles of Marketing (3 cr)
- MKT223 - Customer Experience (3 cr)
- MKT232 - Social Media Marketing (4 cr)
- OST122 - Office Computations (3 cr)
- OST141 - Medical Office Terms I (3 cr)
- OST142 - Medical Office Terms II (3 cr)
- OST148 - Medical Coding Billing & Insurance (3 cr)
- OST149 - Medical Legal Issues (3 cr)
- OST153 - Office Finance Solutions (3 cr)
- OST155 - Legal Terminology (3 cr)
- OST243 - Medical Office Simulation (3 cr)
- OST286 - Professional Development (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL113 - Work-Based Learning I (3 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL122 - Work-Based Learning II (2 cr)
- WBL123 - Work-Based Learning II (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall 1	4

Requirement Select

- OST136 - Word Processing

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- 1 credit must be selected from the Major Course Electives list (Milestone)

Minimum Grade D
Area Elective
Actual Credits 1

Year	Semester	Actual Credits
Year 1	Fall 2	3

Requirement Select

- OST236 - Advanced Word Processing

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 1	3

Requirement Select

- CTS130 - Spreadsheet

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 2	3

Requirement Select

- DBA110 - Database Concepts

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	3

Requirement Select

- CTS125 - Presentation Graphics

Minimum Grade D
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 15
Total Minor Credits
Total Elective Credits

0	1

C25490 - Entrepreneurship Certificate

Overview

Program Title
Entrepreneurship Certificate

Program Code
C25490

Degree Designation
Certificate

Department
Entrepreneurship Programs

Fully online option available?
Yes

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- ETR220 - Innovation and Creativity (3 cr)
- ETR230 - Entrepreneur Marketing (3 cr)

Other Major Hours - Required

Other Major Hours Required
Type
Completion Requirement

Other Major Courses Required

Complete ALL of the following Courses:

- BUS139 - Entrepreneurship I (3 cr)
- BUS245 - Entrepreneurship II (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select

- ACC120 - Principles of Financial Accounting
  OR
- BUS139 - Entrepreneurship I
  OR
- ETR220 - Innovation and Creativity

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Fall 2	6

Requirement Select

- BUS245 - Entrepreneurship II
  OR
- ETR230 - Entrepreneur Marketing

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C25590CP - Information Technology - Computer Programming Certificate - CCP

Overview

Program Title
Information Technology - Computer Programming Certificate - CCP

Program Code
C25590CP

Degree Designation
High School Program - CCP

Department
Information Technology Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
The Computer Programming Certificate - CCP prepares individuals for employment as computer programmers and related positions. Course work will develop a student's ability to solve business computer problems through programming techniques and procedures, using appropriate languages and software.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration Requirement

Complete ALL of the following Courses:

- CSC151 - JAVA Programming (3 cr)
- CSC153 - C# Programming (3 cr)
- CSC251 - Advanced JAVA Programming (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- CSC121 - Python Programming (3 cr)

C25590PR - Information Technology - Computer Programming Certificate

Overview

Program Title
Information Technology - Computer Programming Certificate

Program Code
C25590PR

Degree Designation
Certificate

Department
Information Technology Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
The Computer Programming Certificate prepares individuals for employment as computer programmers and related positions. Course work will develop a student's ability to solve business computer problems through programming techniques and procedures, using appropriate languages and software.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- CTS115 - Information Systems Business Concepts (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Courses

Complete ALL of the following Courses:

- CSC151 - JAVA Programming (3 cr)
- CSC251 - Advanced JAVA Programming (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses Required

Complete ALL of the following Courses:
- CSC153 - C# Programming (3 cr)
- CSC121 - Python Programming (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select
- CIS110 - Introduction to Computers
- **AND** CSC121 - Python Programming
- **AND** CSC151 - JAVA Programming

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Spring	9

Requirement Select
- CSC153 - C# Programming
- **AND** CSC251 - Advanced JAVA Programming
- **AND** CTS115 - Information Systems Business Concepts

Minimum Grade	D
Area	Major
Actual Credits	9

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C25590RP - Information Technology - Networking & Cybersecurity Certificate - CCP

Overview

Program Title
Information Technology - Networking & Cybersecurity Certificate - CCP

Program Code
C25590RP

Degree Designation
High School Program - CCP

Department
Information Technology Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
Students complete hands-on learning activities and network simulations to develop practical skills that will help them fill a growing need for networking and cybersecurity professionals. Students learn how to design, build, troubleshoot, and secure computer networks for increased access to career and economic opportunities.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Techical Core Courses

Complete ALL of the following Courses:
- CTI120 - Network & Security Foundation (3 cr)
- NET125 - Introduction to Networks (3 cr)
- NET126 - Routing Basics (3 cr)
- SEC160 - Security Administration I (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses Required

Complete ALL of the following Courses:
- NET225 - Routing & Switching I (3 cr)
- NET226 - Routing and Switching II (3 cr)

C25590RS - Information Technology - Networking & Cybersecurity Certificate

Overview

Program Title
Information Technology - Networking & Cybersecurity Certificate

Program Code
C25590RS

Degree Designation
Certificate

Department
Information Technology Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- CTI120 - Network & Security Foundation (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Networking/Cyber Security Pathway

Complete ALL of the following Courses:

- NET125 - Introduction to Networks (3 cr)
- NET126 - Routing Basics (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses Required

Complete ALL of the following Courses:

- NET225 - Routing & Switching I (3 cr)
- NET226 - Routing and Switching II (3 cr)
- SEC160 - Security Administration I (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	12

Requirement Select

- CTI120 - Network & Security Foundation
- **AND** NET125 - Introduction to Networks
- **AND** NET126 - Routing Basics
- **AND** SEC160 - Security Administration I

Minimum Grade	D
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- NET225 - Routing & Switching I
- **AND** NET226 - Routing and Switching II

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C25800B - Accounting and Finance - Bookkeeping I

Overview

Program Title
Accounting and Finance - Bookkeeping I

Program Code
C25800B

Degree Designation
Certificate

Department
Accounting Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation.

This program provides students the opportunity to earn both Microsoft Office Specialist (Excel) and Quickbooks Online Certified User Certifications as part of their coursework.

Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- CTS130 - Spreadsheet (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Required

Complete ALL of the following Courses:
- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Other Major Courses - Elective List

Earn at least 4 credits from the following:
- ACC121 - Principles of Managerial Accounting (4 cr)
- ACC129 - Individual Income Taxes (3 cr)
- BUS137 - Principles of Management (3 cr)
- BUS139 - Entrepreneurship I (3 cr)
- BUS230 - Small Business Management (3 cr)
- BUS270 - Professional Development (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- MKT232 - Social Media Marketing (4 cr)
- WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select
- ACC120 - Principles of Financial Accounting
- **AND** CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Fall 2	9

Requirement Select
- ACC122 - Principles of Financial Acct II
- **AND** ACC150 - Accounting Software Applications

Minimum Grade	D
Area	Major
Actual Credits	5

Requirement Select

- 4 credits must be selected from the Major Course Electives list (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	4

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C25800BP - Accounting and Finance - CCP Accounting and Finance Core Certificate

Overview

Program Title	Program Code
Accounting and Finance - CCP Accounting and Finance Core Certificate	C25800BP
Degree Designation	**Department**
High School Program - CCP	Accounting Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	14

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- ACC121 - Principles of Managerial Accounting (4 cr)
- BUS115 - Business Law I (3 cr)
- CIS110 - Introduction to Computers (3 cr)

C25800C - Accounting and Finance - Bookkeeping II Certificate

Overview

Program Title	Program Code
Accounting and Finance - Bookkeeping II Certificate	C25800C
Degree Designation	**Department**
Certificate	Accounting Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation.

This program provides students the opportunity to earn the Microsoft Office Specialist (Excel) Certification as part of their coursework.

Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CTS130 - Spreadsheet (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration/Pathway Hours

Complete ALL of the following Courses:

- ACC129 - Individual Income Taxes (3 cr)
- ACC140 - Payroll Accounting (2 cr)
- ACC220 - Intermediate Accounting I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- ACC227 - Practices in Accounting (3 cr)
- ACC240 - Government & Not-For-Profit Accounting (3 cr)

Requirement Select

- ACC140 - Payroll Accounting
- **AND** ACC227 - Practices in Accounting

Minimum Grade	D
Area	Major
Actual Credits	5

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACC220 - Intermediate Accounting I
- **AND** CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Fall 2	3

Requirement Select

- ACC129 - Individual Income Taxes

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 1	3

Requirement Select

- ACC240 - Government & Not-For-Profit Accounting

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 2	5

C25800D - Accounting and Finance - Payroll Certificate

Overview

Program Title
Accounting and Finance - Payroll Certificate

Program Code
C25800D

Degree Designation
Certificate

Department
Accounting Programs

Fully online option available?
Yes

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation.

This program provides students the opportunity to earn both Microsoft Office Specialist (Excel) and Quickbooks Online Certified User Certifications as part of their coursework.

Consult a program advisor for more information

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- CTS130 - Spreadsheet (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration/Pathway Hours

Complete ALL of the following Courses:

- ACC140 - Payroll Accounting (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Required

Complete ALL of the following Courses:

- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)
- BUS153 - Human Resource Management (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall 2	10

Requirement Select

- BUS153 - Human Resource Management
- **AND** ACC120 - Principles of Financial Accounting
- **AND** CTS130 - Spreadsheet

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring 2	7

Requirement Select

- ACC122 - Principles of Financial Acct II
- **AND** ACC140 - Payroll Accounting
- **AND** ACC150 - Accounting Software Applications

Minimum Grade	D
Area	Major
Actual Credits	7

Total General Education Credits	Total Major Credits
0	17
Total Minor Credits	**Total Elective Credits**
0	0

C25800DP - Accounting and Finance - CCP Payroll Certificate

Overview

Program Title
Accounting and Finance - CCP Payroll Certificate

Program Code
C25800DP

Degree Designation
High School Program - CCP

Department
Accounting Programs

Fully online option available?
Yes

Minimum Required Credit Hours
17

Description

Program Description
This program provides students the opportunity to earn both Microsoft Office Specialist (Excel) and Quickbooks Online Certified User Certifications as part of their coursework.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- CTS130 - Spreadsheet (3 cr)

Technical Core - Concentration Requirement

Complete ALL of the following Courses:
- ACC140 - Payroll Accounting (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:
- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)
- BUS153 - Human Resource Management (3 cr)

C25800KP - Accounting and Finance - CCP Bookkeeping Certificate

Overview

Program Title
Accounting and Finance - CCP Bookkeeping Certificate

Program Code
C25800KP

Degree Designation
High School Program - CCP

Department
Accounting Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This program provides students the opportunity to earn both Microsoft Office Specialist (Excel) and Quickbooks Online Certified User Certifications as part of their coursework.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting (4 cr)
- ACC121 - Principles of Managerial Accounting (4 cr)
- CTS130 - Spreadsheet (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:
- ACC122 - Principles of Financial Acct II (3 cr)
- ACC150 - Accounting Software Applications (2 cr)

C30140 - Film and Video Production Technology - Certificate

Overview

Program Title
Film and Video Production Technology - Certificate

Program Code
C30140

Degree Designation
Certificate

Department
Film and Video Programs

Minimum Required Credit Hours
15

Description

Program Description
Certificate
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- FVP111 - Introduction to Film and Video (3 cr)
- FVP114 - Camera & Lighting I (3 cr)
- FVP116 - Sound Operations (3 cr)

Technical Core

Complete at least 1 of the following courses:
- FVP112 - Art Deptartment Operations I (3 cr)
- FVP113 - Grip & Electrical I (3 cr)

Other Major Hours - Required

Other Major Hours-Required
Type
Completion Requirement

Required Hours

Complete ALL of the following Courses:
- FVP220 - Editing I (3 cr)

Recommended Course Sequence

Degree Map Name
Film and Video Certificate
Total Degree Map Credits
15

Year	Semester	Actual Credits
Year 1	Fall 1	12

Requirement Select
- FVP111 - Introduction to Film and Video
- **AND** FVP114 - Camera & Lighting I
- **AND** FVP116 - Sound Operations

Minimum Grade -
Area Major
Actual Credits 9

Requirement Select
- FVP112 - Art Deptartment Operations I
  OR
- FVP113 - Grip & Electrical I

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 1	3

Requirement Select
- FVP220 - Editing I

Minimum Grade -
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 12
Total Minor Credits 0
Total Elective Credits 0

C30140P - Film and Video Production – CCP Certificate

Overview

Program Title
Film and Video Production – CCP Certificate

Program Code
C30140P

Degree Designation
High School Program - CCP

Department
Film and Video Programs

Minimum Required Credit Hours
15

Program Requirements

Simple Requisites

Technical Core

Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- FVP111 - Introduction to Film and Video (3 cr)
- FVP113 - Grip & Electrical I (3 cr)
- FVP114 - Camera & Lighting I (3 cr)
- FVP116 - Sound Operations (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Film Editing

Complete ALL of the following Courses:

- FVP220 - Editing I (3 cr)

Requirement Select

- FVP111 - Introduction to Film and Video
- **AND** FVP113 - Grip & Electrical I
- **AND** FVP114 - Camera & Lighting I
- **AND** FVP116 - Sound Operations

Minimum Grade -
Area Major
Actual Credits 12

Requirement Select

- FVP220 - Editing I

Minimum Grade -
Area Major
Actual Credits 3

Total General Education Credits
0

Total Major Credits
15

Total Minor Credits
0

Total Elective Credits
0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
15

Year	Semester	Actual Credits
Year 1	Fall	15

C40140BP - Civil Engineering Technology - Basic Technician Certificate-CCP

Overview

Program Title
Civil Engineering Technology - Basic Technician Certificate-CCP

Program Code
C40140BP

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
Pending approval by the State Board of Community Colleges and the Southern Association of Colleges and Schools.
This certificate is only offered in Fall semesters.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- CEG111 - Introduction to GIS and GNSS (4 cr)
- CEG115 - Introduction to Tech & Sustainability (3 cr)

Other Major Hours - Required

Other Major Hours- Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:
- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)

Other Required Courses

ACA
Type
Completion Requirement

College Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
20

Year	Semester	Actual Credits
Year 1	Fall	20

Requirement Select
- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select
- CEG111 - Introduction to GIS and GNSS
- **AND** CEG115 - Introduction to Tech & Sustainability

Minimum Grade	C
Area	Major
Actual Credits	11

Requirement Select

- EGR125 - Applications Software for Technology
- **AND** EGR150 - Introduction to Engineering

Minimum Grade	-
Area	-
Actual Credits	4

Total General Education Credits	Total Major Credits
5	11
Total Minor Credits	**Total Elective Credits**
0	0

C40140BT - Civil Engineering Technology - Basic Technician Certificate

Overview

Program Title
Civil Engineering Technology - Basic Technician Certificate

Program Code
C40140BT

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
Pending approval by the State Board of Community Colleges and the Southern Association of Colleges and Schools.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, CEG, EGR, and MAT.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Mathematics

Complete ALL of the following Courses:

- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- CEG111 - Introduction to GIS and GNSS (4 cr)
- CEG115 - Introduction to Tech & Sustainability (3 cr)

Other Major Hours - Required

Other Major Hours- Required
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)

Other Required Courses

ACA
Type
Completion Requirement

College Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Requirement Select

- CEG111 - Introduction to GIS and GNSS
- **AND** CEG115 - Introduction to Tech & Sustainability

Minimum Grade	C
Area	Major
Actual Credits	11

Requirement Select

- EGR125 - Applications Software for Technology
- **AND** EGR150 - Introduction to Engineering

Minimum Grade	-
Area	-
Actual Credits	4

Total General Education Credits	Total Major Credits
5	11
Total Minor Credits	**Total Elective Credits**
0	0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
20

Year	Semester	Actual Credits
Year 1	Fall	20

Requirement Select

- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

C40140IP - Civil Engineering Technology - Intermediate Technician Certificate-CCP

Overview

Program Title
Civil Engineering Technology - Intermediate Technician Certificate-CCP

Program Code
C40140IP

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
Pending approval by the State Board of Community Colleges and the Southern Association of Colleges and Schools.

Prerequisite: Completion of the Civil Engineering Technician- Basic Technician Certificate-CCP C40140BP
This certificate begins in the Spring semester only.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- DFT151 - CAD I (3 cr)
- SRV110 - Surveying I (4 cr)

Concentration/Pathway Hours

Program Major
Type
Completion Requirement

Program Major

Complete ALL of the following Courses:

- EGR250 - Statics/Strength of Mater (5 cr)
- SRV111 - Surveying II (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select

- DFT151 - CAD I
- **AND** EGR250 - Statics/Strength of Mater
- **AND** SRV110 - Surveying I

Minimum Grade	C
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Summer	4

Requirement Select

- SRV111 - Surveying II

Minimum Grade	C
Area	Major
Actual Credits	4

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C40140IT - Civil Engineering Technology - Intermediate Technician Certificate

Overview

Program Title
Civil Engineering Technology - Intermediate Technician Certificate

Program Code
C40140IT

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
Pending approval by the State Board of Community Colleges and the Southern Association of Colleges and Schools.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Prerequisite: Completion of the Civil Engineering Technician- Basic Technician Certificate C40140BT

Courses that require a minimum grade of "C": ACA, CEG, DFT, EGR, MAT, and SRV.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- DFT151 - CAD I (3 cr)
- SRV110 - Surveying I (4 cr)

Concentration/Pathway Hours

Program Major
Type
Completion Requirement

Program Major

Complete ALL of the following Courses:
- EGR250 - Statics/Strength of Mater (5 cr)
- SRV111 - Surveying II (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select
- DFT151 - CAD I
- **AND** EGR250 - Statics/Strength of Mater
- **AND** SRV110 - Surveying I

Minimum Grade	C
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Summer	4

Requirement Select
- SRV111 - Surveying II

Minimum Grade	C
Area	Major
Actual Credits	4

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C40200AE - Electronics Engineering Technology – Advanced Electronics Certificate

Overview

Program Title
Electronics Engineering Technology – Advanced Electronics Certificate

Program Code
C40200AE

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
18

Description

Program Description
Students must complete the Basic Electronics Certificate for success in the Advanced Electronics Certificate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Courses that require a minimum grade of "C": EGR, ELC, ELN, and MAT.

Program Requirements

Simple Requisites

General Education

Mathematics
Type
Completion Requirement

Math Requirement

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Electronics

Complete ALL of the following Courses:
- ELC131 - Circuit Analysis I (4 cr)
- ELN131 - Analog Electronics I (4 cr)
- ELN232 - Introduction to Microprocessors (4 cr)

Other Major Hours - Required

Major Hours
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:
- EGR150 - Introduction to Engineering (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select
- EGR150 - Introduction to Engineering
- **AND** ELC131 - Circuit Analysis I
- **AND** ELN232 - Introduction to Microprocessors

Minimum Grade C
Area Major
Actual Credits 10

Requirement Select
- MAT171 - Precalculus Algebra

Minimum Grade C
Area General Education
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Spring	4

Requirement Select
- ELN131 - Analog Electronics I

Minimum Grade C
Area Major
Actual Credits 4

Total General Education Credits 4
Total Major Credits 14
Total Minor Credits 0
Total Elective Credits 0

C40200BE - Electronics Engineering Tech - Basic Electronics Certificate

Overview

Program Title
Electronics Engineering Tech - Basic Electronics Certificate

Program Code
C40200BE

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Courses that require a minimum grade of "C": ACA, ELC, ELN, and MAT.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Math

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Electronics

Complete ALL of the following Courses:
- ELC131 - Circuit Analysis I (4 cr)
- ELN133 - Digital Electronics (4 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:
- ELC128 - Intro to PLC (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select
- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade C
Area General Education
Actual Credits 5

Requirement Select
- ELC128 - Intro to PLC
- **AND** ELC131 - Circuit Analysis I
- **AND** ELN133 - Digital Electronics

Minimum Grade C
Area Major
Actual Credits 11

Total General Education Credits 5
Total Major Credits 11
Total Minor Credits 0
Total Elective Credits 0

C40200IE - Electronics Engineering Technology – Industrial Electronics Certificate

Overview

Program Title
Electronics Engineering Technology – Industrial Electronics Certificate

Program Code
C40200IE

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
17

Description

Program Description
Students are required to complete the Basic Electronics Certificate prior to the Industrial Electronics Certificate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.
Courses that require a minimum grade of "C": ELC and ISC
This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

PLC

Complete ALL of the following Courses:
- ELC131 - Circuit Analysis I (4 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC228 - Programmable Logic Controllers Applications (4 cr)

Concentration/Pathway Hours

Concentration
Type
Completion Requirement

Concentration

Complete ALL of the following Courses:

Other Major Hours - Required

Major hours Required
Type
Completion Requirement

Safety

Complete ALL of the following Courses:
- ELC117 - Motors and Controls (4 cr)
- ISC112 - Industrial Safety (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select
- ELC128 - Intro to PLC
- **AND** ELC131 - Circuit Analysis I
- **AND** ISC112 - Industrial Safety

Minimum Grade C
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select
- ELC117 - Motors and Controls
- **AND** ELC228 - Programmable Logic Controllers Applications

Minimum Grade C
Area Major
Actual Credits 8

Total General Education Credits 0
Total Major Credits 17
Total Minor Credits 0
Total Elective Credits 0

C40200P - Electronics Engineering Tech – CCP Basic Certificate

Overview

Program Title
Electronics Engineering Tech – CCP Basic Certificate

Program Code
C40200P

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
12

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- ELC131 - Circuit Analysis I (4 cr)
- ELN131 - Analog Electronics I (4 cr)
- ELN133 - Digital Electronics (4 cr)

C40200PE - Electronics Engineering Technology – Programming Electronics Certificate

Overview

Program Title
Electronics Engineering Technology – Programming Electronics Certificate

Program Code
C40200PE

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
It is strongly recommended to complete the Basic Electronics Certificate prior to attempting the Programming Electronics Certificate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Courses that require a minimum grade of "C": ATR, CSC, ELC, and NET.

Program Requirements

Simple Requisites

Concentration/Pathway Hours

Program Major
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- ELC128 - Intro to PLC (3 cr)
- ELC228 - Programmable Logic Controllers Applications (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Programming

Complete ALL of the following Courses:

- ATR211 - Robot Programming (3 cr)
- CSC134 - C++ Programming (3 cr)
- NET125 - Introduction to Networks (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select

- ATR211 - Robot Programming
- **AND** ELC128 - Intro to PLC
- **AND** NET125 - Introduction to Networks

Minimum Grade	C
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Spring	7

Requirement Select

- CSC134 - C++ Programming
- **AND** ELC228 - Programmable Logic Controllers Applications

Minimum Grade	C
Area	Major
Actual Credits	7

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C40320HP - Mechanical Engineering Tech – CCP Hydraulics Certificate

Overview

Program Title
Mechanical Engineering Tech – CCP Hydraulics Certificate

Program Code
C40320HP

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Hydraulics

Complete ALL of the following Courses:

- HYD110 - Hydraulics/Pneumatics I (3 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC130 - Mechanisms (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

College Transfer Success

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

C40320HY - Mechanical Engineering Technology – Hydraulics Certificate

Overview

Program Title
Mechanical Engineering Technology – Hydraulics Certificate

Program Code
C40320HY

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

It is strongly recommended to be currently enrolled in MAT 171 or to have completed MAT 171 prior to starting this certificate. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, EGR, ELC, HYD, ISC, and MEC.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Hydraulics/Pneumatics

Complete ALL of the following Courses:

- HYD110 - Hydraulics/Pneumatics I (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC130 - Mechanisms (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	13

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade	C
Area	General Education
Actual Credits	1

Requirement Select

- BPR111 - Print Reading
- **AND** ELC128 - Intro to PLC
- **AND** HYD110 - Hydraulics/Pneumatics I
- **AND** ISC112 - Industrial Safety
- **AND** EGR150 - Introduction to Engineering

Minimum Grade	C
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Spring	3

Requirement Select

- MEC130 - Mechanisms

Minimum Grade	C
Area	Major
Actual Credits	3

Total General Education Credits	Total Major Credits
1	15
Total Minor Credits	**Total Elective Credits**
0	0

C40320PR - Mechanical Engineering Technology – Pre-Engineering Certificate

Overview

Program Title
Mechanical Engineering Technology – Pre-Engineering Certificate

Program Code
C40320PR

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Courses that require a minimum grade of "C": ACA, DFT. EGR, ELC, and MAT.

This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

General Education Requirements

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:

- DFT170 - Engineering Graphics (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:
- EGR150 - Introduction to Engineering (2 cr)
- ELC131 - Circuit Analysis I (4 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Total General Education Credits	Total Major Credits
8	9
Total Minor Credits	**Total Elective Credits**
0	0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	17

Requirement Select
- ACA122 - College Transfer Success
- **AND** ENG111 - Writing and Inquiry
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	8

Requirement Select
- DFT170 - Engineering Graphics
- **AND** EGR150 - Introduction to Engineering
- **AND** ELC131 - Circuit Analysis I

Minimum Grade	C
Area	Major
Actual Credits	9

C40350A - Mechatronics Engineering Technology – Industrial Manufacturing Production Technician Apprenticeship Certificate

Overview

Program Title
Mechatronics Engineering Technology – Industrial Manufacturing Production Technician Apprenticeship Certificate

Program Code
C40350A

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
13

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

This program of study does not qualify for federal and/or state financial aid.

Courses that require a minimum grade of "C": EGR, ISC, MAC, and MNT.

This certificate is only for students accepted into the Made in Henderson County (manufacturing) Apprenticeship Program.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Requirements

Complete ALL of the following Courses:

- EGR115 - Intro to Technology (3 cr)
- EGR115A - Introduction to Technology Lab (1 cr)
- ISC170 - Problem-Solving Skills (3 cr)
- ISC220 - Lean Manufacturing (3 cr)
- MAC171 - Measure/Material & Safety (1 cr)
- MNT110 - Introduction to Maintenance Procedures (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
13

Year	Semester	Actual Credits
Year 1	Fall	4

Requirement Select

- ISC170 - Problem-Solving Skills
- **AND** MAC171 - Measure/Material & Safety

Minimum Grade	C
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring	4

Requirement Select

- EGR115 - Intro to Technology
- **AND** EGR115A - Introduction to Technology Lab

Minimum Grade	C
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Fall	5

Requirement Select

- ISC220 - Lean Manufacturing
- **AND** MNT110 - Introduction to Maintenance Procedures

Minimum Grade	C
Area	Major
Actual Credits	5

Total General Education Credits	Total Major Credits
0	13
Total Minor Credits	**Total Elective Credits**
0	0

C40350BM - Mechatronics Engineering Technology – Basic Technician Certificate

Overview

Program Title
Mechatronics Engineering Technology – Basic Technician Certificate

Program Code
C40350BM

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
18

Description

Program Description
Students should take the Mechanical Engineering —Pre-Engineering Certificate prior to the Mechatronics Engineering Technology—Basic Technician Certificate program.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": EGR, ELC, ISC, and MAT.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Requirements

Complete ALL of the following Courses:
- EGR125 - Applications Software for Technology (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ISC112 - Industrial Safety (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:
- EGR150 - Introduction to Engineering (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select
- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select

- ELC128 - Intro to PLC
- **AND** ELC131 - Circuit Analysis I
- **AND** EGR150 - Introduction to Engineering

Minimum Grade	C
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Spring	4

Requirement Select

- EGR125 - Applications Software for Technology
- **AND** ISC112 - Industrial Safety

Minimum Grade	C
Area	Major
Actual Credits	4

Total General Education Credits	Total Major Credits
5	13
Total Minor Credits	**Total Elective Credits**
0	0

C40350BP - Mechatronics Engineering Tech – CCP Basic Certificate

Overview

Program Title
Mechatronics Engineering Tech – CCP Basic Certificate

Program Code
C40350BP

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
14

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Mechanisms

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC130 - Mechanisms (3 cr)

C40350IP - Mechatronics Engineering Tech – CCP Intermediate Certificate

Overview

Program Title
Mechatronics Engineering Tech – CCP Intermediate Certificate

Program Code
C40350IP

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
14

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ELC213 - Instrumentation (4 cr)
- ISC112 - Industrial Safety (2 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Troubleshooting

Complete ALL of the following Courses:

- ATR219 - Automation Troubleshooting (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
14

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select

- ATR219 - Automation Troubleshooting
- **AND** EGR125 - Applications Software for Technology
- **AND** ELC131 - Circuit Analysis I

Minimum Grade D
Area Major
Actual Credits 8

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- ISC112 - Industrial Safety
- **AND** ELC213 - Instrumentation

Minimum Grade -
Area Major
Actual Credits 6

Total General Education Credits 0
Total Major Credits 14
Total Minor Credits 0
Total Elective Credits 0

C40350LG - Mechatronics Engineering Technology – Logistics Certificate

Overview

Program Title
Mechatronics Engineering Technology – Logistics Certificate

Program Code
C40350LG

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
17

Description

Program Description
Mat 171 Pre-Calculus Algebra is a prerequisite for this certificate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Logistics

Complete ALL of the following Courses:

- EGR130 - Engineering Cost Control (3 cr)
- ISC132 - Manufacturing Quality Control (3 cr)
- LOG110 - Introduction to Logistics (3 cr)
- LOG125 - Transportation Logistics (3 cr)
- LOG215 - Supply Chain Management (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- EGR125 - Applications Software for Technology
- **AND** EGR130 - Engineering Cost Control
- **AND** ISC132 - Manufacturing Quality Control

Minimum Grade C
Area Major
Actual Credits 8

Requirement Select

- LOG110 - Introduction to Logistics
- **AND** LOG125 - Transportation Logistics
- **AND** LOG215 - Supply Chain Management

Minimum Grade D
Area Major
Actual Credits 9

Requirement Select

- EGR-130 has a prerequisite of MAT 121 or MAT-171. Students will need to complete the Math prerequisite before taking EGR-130 (Milestone)

Minimum Grade -
Area -
Actual Credits -

Total General Education Credits 0
Total Major Credits 17
Total Minor Credits 0
Total Elective Credits 0

C40350MM - Mechatronics Engineering Technology – Maintenance Technician Certificate

Overview

Program Title
Mechatronics Engineering Technology – Maintenance Technician Certificate

Program Code
C40350MM

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
18

Description

Program Description
It is strongly recommended to be currently enrolled in MAT 171 Precalculus Algebra or to have completed MAT 171 with a grade of C or better for the successful completion of this certificate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Courses that require a minimum grade of "C": ATR, ELC, ISC, MEC, and MNT.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Mechanisms

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ELC213 - Instrumentation (4 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC130 - Mechanisms (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Industrial Fabrication

Complete ALL of the following Courses:

- MNT160 - Industrial Fabrication (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	11

Requirement Select

- ATR112 - Introduction to Automation
- **AND** ELC131 - Circuit Analysis I
- **AND** ISC112 - Industrial Safety
- **AND** MNT160 - Industrial Fabrication

Minimum Grade C
Area Major
Actual Credits 11

Year	Semester	Actual Credits
Year 1	Spring	7

Requirement Select

- ELC213 - Instrumentation
- **AND** MEC130 - Mechanisms

Minimum Grade C
Area Major
Actual Credits 7

Total General Education Credits 0
Total Major Credits 18
Total Minor Credits 0
Total Elective Credits 0

C40350MP - Mechatronics Engineering Tech – CCP Maintenance Certificate

Overview

Program Title
Mechatronics Engineering Tech – CCP Maintenance Certificate

Program Code
C40350MP

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
18

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- EGR125 - Applications Software for Technology (2 cr)
- ELC117 - Motors and Controls (4 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select

- ATR112 - Introduction to Automation
- **AND** EGR125 - Applications Software for Technology
- **AND** ELC117 - Motors and Controls

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 1	Spring	7

Requirement Select

- ELC128 - Intro to PLC
- **AND** ELC131 - Circuit Analysis I

Minimum Grade -
Area Major
Actual Credits 7

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C40350MT - Mechatronics Engineering Technology - Manufacturing Technician Certificate

Overview

Program Title
Mechatronics Engineering Technology - Manufacturing Technician Certificate

Program Code
C40350MT

Degree Designation
Certificate

Department
Engineering Programs

Articulation Agreement
Maintenance Tech

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

It is strongly recommended to be currently enrolled in MAT 171 or to have completed MAT 171 with a grade of C or better for the successful completion of this certificate.

Courses that require a minimum grade of "C": ATR, BPR, EGR, HYD, ISC, and MAC.

Program Requirements

Simple Requisites

Concentration/Pathway Hours

Major Requirements
Type
Completion Requirement

Major Requirements

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- EGR125 - Applications Software for Technology (2 cr)
- HYD110 - Hydraulics/Pneumatics I (3 cr)

Take 8 credits

Other Major Hours - Required

Other Major Requirements
Type
Completion Requirement

Other Major Requirements

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- ISC220 - Lean Manufacturing (3 cr)
- ISC132 - Manufacturing Quality Control (3 cr)
- MAC114 - Introduction to Metrology (2 cr)

Take 10 credits

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- BPR111 - Print Reading
- **AND** HYD110 - Hydraulics/Pneumatics I
- **AND** ISC220 - Lean Manufacturing
- **AND** MAC114 - Introduction to Metrology

Minimum Grade	C
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- ATR112 - Introduction to Automation
- **AND** EGR125 - Applications Software for Technology
- **AND** ISC132 - Manufacturing Quality Control

Minimum Grade	C
Area	Major
Actual Credits	8

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C40350PM - Mechatronics Engineering Tech – Project Management Certificate

Overview

Program Title
Mechatronics Engineering Tech – Project Management Certificate

Program Code
C40350PM

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Courses that require a minimum grade of "C": EGR, ISC, and MAT.

Program Requirements

Simple Requisites

General Education

Mathematics
Type
Completion Requirement

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Mechanisms

Complete ALL of the following Courses:
- EGR125 - Applications Software for Technology (2 cr)
- ISC112 - Industrial Safety (2 cr)

Other Major Hours - Required

Other Major Requirements
Type
Completion Requirement

Other Requirements

Complete ALL of the following Courses:
- EGR130 - Engineering Cost Control (3 cr)
- ISC220 - Lean Manufacturing (3 cr)
- ISC222 - Project Planning/Control (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	7

Requirement Select
- MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	4

Requirement Select
- ISC220 - Lean Manufacturing

Minimum Grade	C
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	9

Requirement Select
- EGR125 - Applications Software for Technology
- **AND** EGR130 - Engineering Cost Control
- **AND** ISC112 - Industrial Safety
- **AND** ISC222 - Project Planning/Control

Minimum Grade	C
Area	Major
Actual Credits	9

Total General Education Credits	Total Major Credits
4	12
Total Minor Credits	**Total Elective Credits**
0	0

C40350QT - Mechatronics Engineering Tech – Quality Technician Certificate

Overview

Program Title
Mechatronics Engineering Tech – Quality Technician Certificate

Program Code
C40350QT

Degree Designation
Certificate

Department
Engineering Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Courses that require a minimum grade of "C": BPR, EGR, ISC, MAC, and MAT.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Mechanisms

Complete ALL of the following Courses:

- EGR125 - Applications Software for Technology (2 cr)
- ISC112 - Industrial Safety (2 cr)

Other Major Hours - Required

Other Major Requirements
Type
Completion Requirement

Other Major Requirements

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- ISC131 - Quality Management (3 cr)
- ISC132 - Manufacturing Quality Control (3 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MAT152 - Statistical Methods I (4 cr)

Recommended Course Sequence

Degree Map Name
Recommend Course Sequence
Total Degree Map Credits
22

Year	Semester	Actual Credits
Year 1	Fall	12

Requirement Select

- BPR111 - Print Reading
- **AND** MAC114 - Introduction to Metrology

Minimum Grade	C
Area	Major
Actual Credits	8

Requirement Select

- MAT152 - Statistical Methods I

Minimum Grade	-
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring	10

Requirement Select

- EGR125 - Applications Software for Technology
- **AND** ISC112 - Industrial Safety
- **AND** ISC131 - Quality Management
- **AND** ISC132 - Manufacturing Quality Control

Minimum Grade	C
Area	Major
Actual Credits	10

Total General Education Credits	Total Major Credits
4	18
Total Minor Credits	**Total Elective Credits**
0	0

C45340 - Emergency Medical Science - Certificate

Overview

Program Title
Emergency Medical Science - Certificate

Program Code
C45340

Degree Designation
Certificate

Department
Public Safety Training Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take one or more developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of semester hours listed for graduation. Developmental courses for this program may include Readiness Level Reading, English, and/or Math and other courses in developmental Reading, English, Math, Biology, and Chemistry. For more information on developmental courses, contact a program advisor.

Program Requirements

Simple Requisites

General Education

Communications
Type
Completion Requirement

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

EMT

Complete ALL of the following Courses:
- EMS110 - EMT (9 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	-	18

Requirement Select
- BIO163 - Basic Anatomy & Physiology
- **AND** EMS110 - EMT
- **AND** ENG111 - Writing and Inquiry

Minimum Grade C
Area General Education
Actual Credits 17

Requirement Select
- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade -
Area General Education
Actual Credits 1

Total General Education Credits 18
Total Major Credits 0
Total Minor Credits 0
Total Elective Credits 0

C45340P - Emergency Medical Science Certificate – CCP

Overview

Program Title
Emergency Medical Science Certificate – CCP

Program Code
C45340P

Degree Designation
High School Program - CCP

Department
Public Safety Training Programs

Minimum Required Credit Hours
17

Requirement Select

- BIO163 - Basic Anatomy & Physiology
- **AND** ENG111 - Writing and Inquiry
- **AND** EMS110 - EMT

Minimum Grade -
Area Major
Actual Credits 17

Total General Education Credits
0

Total Major Credits
17

Total Minor Credits
0

Total Elective Credits
0

Program Requirements

Simple Requisites

General Education

Communication
Type
Completion Requirement

English Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- EMS110 - EMT (9 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	-	17

C45380 - Human Services Technology Certificate

Overview

Program Title
Human Services Technology Certificate

Program Code
C45380

Degree Designation
Certificate

Department
Social and Human Services Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services (3 cr)
- HSE112 - Group Process I (2 cr)
- HSE123 - Interviewing Techniques (3 cr)
- HSE125 - Counseling (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours - Required

Complete ALL of the following Courses:

- SOC213 - Sociology of the Family (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select

- HSE110 - Introduction to Human Services
- **AND** HSE112 - Group Process I
- **AND** SOC210 - Introduction to Sociology

Minimum Grade D
Area Major
Actual Credits 8

Year	Semester	Actual Credits
Year 1	Spring	9

Requirement Select

- HSE123 - Interviewing Techniques
- **AND** HSE125 - Counseling

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select

- SOC213 - Sociology of the Family

Minimum Grade D
Area General Education
Actual Credits 3

Total General Education Credits 3
Total Major Credits 14
Total Minor Credits 0
Total Elective Credits 0

C45380I - Introduction to Human Services

Overview

Program Title
Introduction to Human Services

Program Code
C45380I

Degree Designation
Certificate

Department
Social and Human Services Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- SOC213 - Sociology of the Family (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

C45380IP - Introduction to Human Services - CCP Certificate

Overview

Program Title
Introduction to Human Services - CCP Certificate

Program Code
C45380IP

Degree Designation
High School Program - CCP

Department
Social and Human Services Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Core Courses

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services (3 cr)
- PSY150 - General Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Other Major Hours - Required

OtHer Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- SOC213 - Sociology of the Family (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

C45840 - Nurse Aide - Certificate

Overview

Program Title
Nurse Aide - Certificate

Program Code
C45840

Degree Designation
Certificate

Department
Healthcare Programs

Minimum Required Credit Hours
18

Description

Program Description
The Nurse Aide curriculum prepares individuals to work under the supervision of licensed nursing
professionals in performing nursing care and services for persons of all ages.
Topics include growth and development, personal care, vital signs, communication, nutrition, medical
asepsis, therapeutic activities, accident and fire safety, household environment and equipment
management, family resources and services, and employment skills.
Upon completion, the student may be eligible for listing as a Nurse Aide I and other selected Nurse Aide
registries as determined by the local program of study.

Program Requirements

Simple Requisites

Other Major Hours - Required

Major Requirements
Type
Completion Requirement

Required

Complete ALL of the following Courses:

- NAS111 - Nurse Aide I (6 cr)
- NAS106 - Geriatric Aide (6 cr)

Take 12 credits

Other Major Hours - Electives List

Other Major Requirements
Type
Completion Requirement

Other Major Requirements

Complete ANY of the following Courses:

- NAS102 - Nurse Aide 2 (6 cr)
- NAS103 - Home Health Care Nurse Aide (6 cr)

Take 6 credits

C45910P - Emergency Medical Science :CCP Health Sciences

Overview

Program Title
Emergency Medical Science :CCP Health Sciences

Program Code
C45910P

Degree Designation
High School Program - CCP

Department
Healthcare Programs

Minimum Required Credit Hours
18

Description

Program Description
Pathway Description: This curriculum is designed to prepare students for careers in the Health Sciences.

Students will complete courses that provide a foundation for success in nursing and allied health curricula. Students may select a career pathway that will prepare them for an entry level position in health care. Courses may also provide foundational knowledge needed in the pursuit of advanced health science
degrees or programs.

Graduates should qualify for an entry-level job associated with the program major such as Emergency Medical Technician (EMT) or Advanced Emergency Medical Technician (AEMT), Medical Assistant, Nursing Assistant, Pharmacy Technician, Phlebotomist, or Massage Therapist dependent upon the selected program major.

Emergency Medical Service: A program that prepares graduates to enter the workforce as Emergency Medical Technicians or Advanced Emergency MedicalTechnicians. The course of study provides the student an opportunity to acquire basic life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, and hospital/field internships. Students progressing through the program may be eligible to apply for both state and national certification exams. Employment opportunities include ambulance services, fire and rescue agencies, air medical services, specialty areas of hospitals, industry, educational institutions, and government agencies.

Program Requirements

Simple Requisites

Technical Core

Major Requirements
Type
Completion Requirement

Required courses

Complete ALL of the following Courses:
- EMS110 - EMT (9 cr)
- HSC110 - Orientation to Health Careers (1 cr)
- MED120 - Survey of Medical Terminology (2 cr)

Other Major Hours - Required

Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:
- NAS111 - Nurse Aide I (6 cr)

C50210BA - Computer-Integrated Machining – Basic Apprenticeship Certificate

Overview

Program Title
Computer-Integrated Machining – Basic Apprenticeship Certificate

Program Code
C50210BA

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
12

Description

Program Description
This certificate is only for students accepted into Apprenticeship Blue Ridge.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Print Reading

Complete ALL of the following Courses:
- BPR111 - Print Reading (2 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC141 - Machining Applications I (4 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Machining

Complete ALL of the following Courses:
- MAC114 - Introduction to Metrology (2 cr)
- MAC151 - Machining Calculations (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
12

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select
- BPR111 - Print Reading
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC141 - Machining Applications I

Minimum Grade D
Area General Education
Actual Credits 10

Year	Semester	Actual Credits
Year 1	Spring	2

Requirement Select
- MAC151 - Machining Calculations

Minimum Grade D
Area General Education
Actual Credits 2

Total General Education Credits 12
Total Major Credits 0
Total Minor Credits 0
Total Elective Credits 0

C50210CM - Computer-Integrated Machining – CNC Milling Operator Certificate

Overview

Program Title
Computer-Integrated Machining – CNC Milling Operator Certificate

Program Code
C50210CM

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC124 - CNC Milling (2 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Milling

Complete ALL of the following Courses:

- MAC114 - Introduction to Metrology (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- BPR111 - Print Reading
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC141 - Machining Applications I

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- MAC112 - Machining Technology II
- **AND** MAC124 - CNC Milling

Minimum Grade	D
Area	Major
Actual Credits	8

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C50210CN - Computer-Integrated Machining – CNC Turning Operator Certificate

Overview

Program Title
Computer-Integrated Machining – CNC Turning Operator Certificate

Program Code
C50210CN

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC122 - CNC Turning (2 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Metrology

Complete ALL of the following Courses:

- MAC114 - Introduction to Metrology (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- BPR111 - Print Reading
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC141 - Machining Applications I

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- MAC112 - Machining Technology II
- **AND** MAC122 - CNC Turning

Minimum Grade	D
Area	Major
Actual Credits	8

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C50210EP - CCP Program Title: Computer Integrated Machining – CCP Machinist Entry Certificate

Overview

Program Title
CCP Program Title: Computer Integrated Machining – CCP Machinist Entry Certificate

Program Code
C50210EP

Degree Designation
High School Program - CCP

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Requirement Select

- BPR111 - Print Reading
- **AND** ISC112 - Industrial Safety
- **AND** MAC141 - Machining Applications I
- **AND** MAC112 - Machining Technology II
- **AND** MAC151 - Machining Calculations

Minimum Grade D
Area Major
Actual Credits 16

Total General Education Credits
0

Total Major Credits
16

Total Minor Credits
0

Total Elective Credits
0

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Industrial Safety

Complete ALL of the following Courses:

- ISC112 - Industrial Safety (2 cr)
- MAC151 - Machining Calculations (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	-	16

C50210FP - Computer Integrated Machining – CCP Manufacturing Technician Certificate

Overview

Program Title
Computer Integrated Machining – CCP Manufacturing Technician Certificate

Program Code
C50210FP

Degree Designation
High School Program - CCP

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Mathematics

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Core Courses
Type
Completion Requirement

Print Reading

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC121 - Introduction to CNC (2 cr)

Other Required Courses

Other Major Courses
Type
Completion Requirement

Blueprint Reading

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- BPR121 - Blueprint Reading-Mech (2 cr)
- ISC112 - Industrial Safety (2 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MAC151 - Machining Calculations (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	-	18

Requirement Select

- ATR112 - Introduction to Automation
- **AND** BPR111 - Print Reading
- **AND** BPR121 - Blueprint Reading-Mech
- **AND** ISC112 - Industrial Safety
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC151 - Machining Calculations

Minimum Grade D
Area Major
Actual Credits 15

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade C
Area General Education
Actual Credits 3

Total General Education Credits 3
Total Major Credits 15
Total Minor Credits 0
Total Elective Credits 0

C50210IM - Computer-Integrated Machining – Plastic Injection Molding Certificate

Overview

Program Title
Computer-Integrated Machining – Plastic Injection Molding Certificate

Program Code
C50210IM

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Print Reading

Complete ALL of the following Courses:
- BPR111 - Print Reading (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Plastics

Complete ALL of the following Courses:
- ATR112 - Introduction to Automation (3 cr)
- ISC112 - Industrial Safety (2 cr)
- PLA110 - Introduction to Plastics (2 cr)
- PLA162 - Plastics Manuf Processes (3 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MAC151 - Machining Calculations (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	6

Requirement Select
- BPR111 - Print Reading
- **AND** ISC112 - Industrial Safety
- **AND** MAC114 - Introduction to Metrology

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring	10

Requirement Select
- ATR112 - Introduction to Automation
- **AND** MAC151 - Machining Calculations
- **AND** PLA110 - Introduction to Plastics
- **AND** PLA162 - Plastics Manuf Processes

Minimum Grade	D
Area	Major
Actual Credits	10

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C50210ME - Computer-Integrated Machining – Machinist Entry Certificate

Overview

Program Title
Computer-Integrated Machining – Machinist Entry Certificate

Program Code
C50210ME

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Prior to starting this certificate, it is strongly recommended to complete MAT 110 with a grade of "C" or better.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- ISC112 - Industrial Safety (2 cr)
- MAC114 - Introduction to Metrology (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- BPR111 - Print Reading
- **AND** ISC112 - Industrial Safety
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC141 - Machining Applications I

Minimum Grade D
Area Major
Actual Credits 10

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- MAC112 - Machining Technology II
- **AND** MAC151 - Machining Calculations

Minimum Grade D
Area Major
Actual Credits 8

Total General Education Credits 0
Total Major Credits 18
Total Minor Credits 0
Total Elective Credits 0

C50210MF - Computer-Integrated Machining – Metal Fabrication Certificate

Overview

Program Title
Computer-Integrated Machining – Metal Fabrication Certificate

Program Code
C50210MF

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Prior to starting this certificate, it is strongly recommended to complete MAT 110 with a grade of "C" or better.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Machining Fundamentals

Complete ALL of the following Courses:
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

OTHER MAJOR HOURS

Complete ALL of the following Courses:
- MAC117 - Metalforming Skills I (4 cr)
- MAC151 - Machining Calculations (2 cr)
- WLD151 - Fabrication I (4 cr)
- WLD251 - Fabrication II (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select
- MAC141 - Machining Applications I
- **AND** WLD151 - Fabrication I

Minimum Grade	D
Area	Major
Actual Credits	8

Year	Semester	Actual Credits
Year 1	Spring	9

Requirement Select
- MAC117 - Metalforming Skills I
- **AND** MAC151 - Machining Calculations
- **AND** WLD251 - Fabrication II

Minimum Grade	D
Area	Major
Actual Credits	9

Total General Education Credits	Total Major Credits
0	17
Total Minor Credits	**Total Elective Credits**
0	0

C50210MP - Computer Integrated Machining – CCP CNC Milling Operator Certificate

Overview

Program Title
Computer Integrated Machining – CCP CNC Milling Operator Certificate

Program Code
C50210MP

Degree Designation
High School Program - CCP

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Requirement Select

- BPR111 - Print Reading
- **AND** MAC112 - Machining Technology II
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC124 - CNC Milling
- **AND** MAC141 - Machining Applications I

Minimum Grade D
Area Major
Actual Credits 18

Total General Education Credits
0

Total Major Credits
18

Total Minor Credits
0

Total Elective Credits
0

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC124 - CNC Milling (2 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Complete ALL of the following Courses:

- MAC114 - Introduction to Metrology (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	18

C50210MT - Computer-Integrated Machining – Manufacturing Technician Certificate

Overview

Program Title
Computer-Integrated Machining – Manufacturing Technician Certificate

Program Code
C50210MT

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

MAT 110 must be completed with a grade of "C" or better.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Mathematics

Complete ALL of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Print Reading

Complete ALL of the following Courses:
- BPR111 - Print Reading (2 cr)
- MAC121 - Introduction to CNC (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Manufacturing Courses

Complete ALL of the following Courses:
- ATR112 - Introduction to Automation (3 cr)
- BPR121 - Blueprint Reading-Mech (2 cr)
- ISC112 - Industrial Safety (2 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MAC151 - Machining Calculations (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	11

Requirement Select
- BPR111 - Print Reading
- **AND** ISC112 - Industrial Safety
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC

Minimum Grade D
Area Major
Actual Credits 8

Requirement Select
- MAT110 - Math Measurement & Literacy

Minimum Grade C
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	7

Requirement Select
- ATR112 - Introduction to Automation
- **AND** BPR121 - Blueprint Reading-Mech
- **AND** MAC151 - Machining Calculations

Minimum Grade D
Area Major
Actual Credits 7

Total General Education Credits	Total Major Credits
3	15

Total Minor Credits	Total Elective Credits
0	0

C50210OA - Computer-Integrated Machining - CNC Operator Apprentice Certificate

Overview

Program Title
Computer-Integrated Machining - CNC Operator Apprentice Certificate

Program Code
C50210OA

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Description

Program Description
This certificate is only for students accepted into Apprenticeship Blue Ridge.

The Basic Machinist Apprentice Certificate (C50210BA) is a prerequisite to this certificate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Practice Safe Handling of Tools	Practice the safe handling of tools and machinery according to federal and state guidelines.

PLO Short Name Produce Parts	Produce parts using milling machines, bench grinders, power saws, lathes, drill press, and surface grinders within acceptable tolerances.

PLO Short Name Interpret Blueprints	Interpret blueprints based on industry standards.

PLO Short Name Design and Program Parts	Design and program parts using CAD/ CAM.

PLO Short Name	
CNC Setup	Complete CNC setups.

PLO Short Name	
Write CNC Code	Write CNC code for machined parts.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- MAC112 - Machining Technology II (6 cr)
- MAC122 - CNC Turning (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR121 - Blueprint Reading-Mech (2 cr)
- MAC113 - Machining Technology III (6 cr)
- MAC124 - CNC Milling (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select

- BPR121 - Blueprint Reading-Mech

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select

- MAC112 - Machining Technology II

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- MAC122 - CNC Turning

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select

- MAC124 - CNC Milling

Minimum Grade	D
Area	Major
Actual Credits	2

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- MAC113 - Machining Technology III

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C50210PP - Computer Integrated Machining – CCP Plastic Injection Molding Certificate

Overview

Program Title
Computer Integrated Machining – CCP Plastic Injection Molding Certificate

Program Code
C50210PP

Degree Designation
High School Program - CCP

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Metrology

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Injection molding

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- ISC112 - Industrial Safety (2 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MAC151 - Machining Calculations (2 cr)
- PLA110 - Introduction to Plastics (2 cr)
- PLA162 - Plastics Manuf Processes (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- ATR112 - Introduction to Automation
- **AND** BPR111 - Print Reading
- **AND** ISC112 - Industrial Safety
- **AND** MAC114 - Introduction to Metrology

Minimum Grade D
Area Major
Actual Credits 16

Year	Semester	Actual Credits
Year 1	Spring	2

Requirement Select

- MAC151 - Machining Calculations
- **AND** PLA110 - Introduction to Plastics
- **AND** PLA162 - Plastics Manuf Processes

Minimum Grade D
Area Major
Actual Credits 2

Total General Education Credits 0
Total Major Credits 18
Total Minor Credits 0
Total Elective Credits 0

C50210SA - Computer-Integrated Machining - CNC Specialist Apprentice Certificate

Overview

Program Title
Computer-Integrated Machining - CNC Specialist Apprentice Certificate

Program Code
C50210SA

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Description

Program Description
This certificate is only for students accepted into Apprenticeship Blue Ridge.

The CNC Operator Apprentice Certificate (C50210OA) is a prerequisite to this certificate.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Practice Safe Handling of Tools	Practice the safe handling of tools and machinery according to federal and state guidelines.
PLO Short Name Produce Parts	Produce parts using milling machines, bench grinders, power saws, lathes, drill press, and surface grinders within acceptable tolerances.
PLO Short Name Interpret Blueprints	Interpret blueprints based on industry standards.
PLO Short Name Design and Program Parts	Design and program parts using CAD/ CAM.
PLO Short Name CNC Setup	Complete CNC setups.
PLO Short Name Write CNC Code	Write CNC code for machined parts.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- ATR211 - Robot Programming (3 cr)
- BPR121 - Blueprint Reading-Mech (2 cr)
- MAC113 - Machining Technology III (6 cr)
- MAC222 - Advanced CNC Turning (2 cr)
- MAC224 - Advanced CNC Milling (2 cr)
- MAC234 - Advanced MultiAxis Machining (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- MAC113 - Machining Technology III

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Fall	7

Requirement Select

- ATR211 - Robot Programming
- **AND** MAC222 - Advanced CNC Turning
- **AND** MAC224 - Advanced CNC Milling

Minimum Grade	D
Area	Major
Actual Credits	7

Year	Semester	Actual Credits
Year 2	Spring	5

Requirement Select

- BPR121 - Blueprint Reading-Mech
- **AND** MAC234 - Advanced MultiAxis Machining

Minimum Grade	D
Area	Major
Actual Credits	5

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C50210TA - Computer-Integrated Machining - Tool and Die Apprentice Certificate

Overview

Program Title
Computer-Integrated Machining - Tool and Die Apprentice Certificate

Program Code
C50210TA

Degree Designation
Certificate

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
16

Description

Program Description
This certificate is only for students accepted into Apprenticeship Blue Ridge.

Successful completion of the CNC Operator Apprentice Certificate (C50210OA) is a prerequisite to this certificate.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR121 - Blueprint Reading-Mech (2 cr)
- MAC241 - Jigs & Fixtures I (4 cr)
- MAC243 - Die Making I (4 cr)
- MAC245 - Mold Construction I (4 cr)
- MAC226 - CNC EDM Machining (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence

Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	6

Requirement Select
- MAC226 - CNC EDM Machining
- **AND** MAC245 - Mold Construction I

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring	10

Requirement Select
- BPR121 - Blueprint Reading-Mech
- **AND** MAC241 - Jigs & Fixtures I
- **AND** MAC243 - Die Making I

Minimum Grade D
Area Major
Actual Credits 10

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C50210TP - Computer Integrated Machining – CCP CNC Turning Operator Certificate

Overview

Program Title
Computer Integrated Machining – CCP CNC Turning Operator Certificate

Program Code
C50210TP

Degree Designation
High School Program - CCP

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
18

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Machining Core

Complete ALL of the following Courses:
- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC122 - CNC Turning (2 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other required hours
Type
Completion Requirement

machining other

Complete ALL of the following Courses:
- MAC114 - Introduction to Metrology (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits

Year 1	-	18

Requirement Select

- BPR111 - Print Reading
- **AND** MAC112 - Machining Technology II
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC122 - CNC Turning
- **AND** MAC141 - Machining Applications I

Minimum Grade	D
Area	Major
Actual Credits	18

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C50420AW - Welding Technology – Industrial Plate/Pipe Welding Certificate

Overview

Program Title
Welding Technology – Industrial Plate/Pipe Welding Certificate

Program Code
C50420AW

Degree Designation
Certificate

Department
Welding Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD112 - Basic Welding Processes (2 cr)
- WLD116 - SMAW (stick) Plate/Pipe (4 cr)
- WLD117 - Industrial SMAW (3 cr)
- WLD132 - GTAW (TIG) Plate/Pipe (3 cr)
- WLD141 - Symbols & Specifications (3 cr)
- WLD143 - Welding Metallurgy (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
15

Year	Semester	Actual Credits
Year 1	Fall	5

Requirement Select

- WLD112 - Basic Welding Processes
- **AND** WLD132 - GTAW (TIG) Plate/Pipe

Minimum Grade	D
Area	Major
Actual Credits	5

Year	Semester	Actual Credits
Year 1	Spring	10

Requirement Select

- WLD116 - SMAW (stick) Plate/Pipe
- **AND** WLD117 - Industrial SMAW
- **AND** WLD262 - Inspection & Testing

Minimum Grade	D
Area	Major
Actual Credits	10

Total General Education Credits	Total Major Credits
0	15
Total Minor Credits	**Total Elective Credits**
0	0

C50420BA - Basic Welding Certificate

Overview

Program Title
Basic Welding Certificate

Program Code
C50420BA

Degree Designation
Certificate

Department
Welding Programs

Minimum Required Credit Hours
12

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Specifications

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)
- WLD141 - Symbols & Specifications (3 cr)

Other Required Courses

Other Major Hours
Type
Completion Requirement

Additional Welding

Complete ALL of the following Courses:

- WLD112 - Basic Welding Processes (2 cr)
- WLD117 - Industrial SMAW (3 cr)
- WLD212 - Inert Gas Welding (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
12

Year	Semester	Actual Credits
Year 1	-	12

Requirement Select

- WLD110 - Cutting Processes
- **AND** WLD112 - Basic Welding Processes
- **AND** WLD117 - Industrial SMAW
- **AND** WLD141 - Symbols & Specifications
- **AND** WLD212 - Inert Gas Welding

Minimum Grade	D
Area	Major
Actual Credits	12

Total General Education Credits	Total Major Credits
0	12
Total Minor Credits	**Total Elective Credits**
0	0

C50420BP - CCP Basic Welding Certificate

Overview

Program Title
CCP Basic Welding Certificate

Program Code
C50420BP

Degree Designation
High School Program - CCP

Department
Welding Programs

Minimum Required Credit Hours
12

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Specifications

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)
- WLD141 - Symbols & Specifications (3 cr)

Other Required Courses

Other Major Hours
Type
Completion Requirement

Additional Welding

Complete ALL of the following Courses:

- WLD112 - Basic Welding Processes (2 cr)
- WLD117 - Industrial SMAW (3 cr)
- WLD212 - Inert Gas Welding (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
12

Year	Semester	Actual Credits
Year 1	-	12

Requirement Select

- WLD110 - Cutting Processes
- **AND** WLD112 - Basic Welding Processes
- **AND** WLD117 - Industrial SMAW
- **AND** WLD141 - Symbols & Specifications
- **AND** WLD212 - Inert Gas Welding

Minimum Grade	D
Area	Major
Actual Credits	12

Total General Education Credits	Total Major Credits
0	12
Total Minor Credits	**Total Elective Credits**
0	0

C50420EP - Welding Technology – CCP Multiple Plate Welding Cert

Overview

Program Title
Welding Technology – CCP Multiple Plate Welding Cert

Program Code
C50420EP

Degree Designation
High School Program - CCP

Department
Welding Programs

Minimum Required Credit Hours
18

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)
- WLD115 - SMAW (Stick) Plate (5 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD131 - GTAW (TIG) Plate (4 cr)
- WLD141 - Symbols & Specifications (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	-	18

Requirement Select

- WLD110 - Cutting Processes
- **AND** WLD115 - SMAW (Stick) Plate
- **AND** WLD121 - GMAW (MIG) FCAW/Plate
- **AND** WLD131 - GTAW (TIG) Plate
- **AND** WLD141 - Symbols & Specifications

Minimum Grade	D
Area	Major
Actual Credits	18

Total General Education Credits	Total Major Credits
0	18

Total Minor Credits	Total Elective Credits
0	0

C50420IM - Welding Technology – Industrial Maintenance Welding Certificate

Overview

Program Title
Welding Technology – Industrial Maintenance Welding Certificate

Program Code
C50420IM

Degree Designation
Certificate

Department
Welding Programs

Minimum Required Credit Hours
13

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Cutting Processes

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD143 - Welding Metallurgy (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD112 - Basic Welding Processes (2 cr)
- WLD117 - Industrial SMAW (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
14

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- WLD110 - Cutting Processes
- **AND** WLD112 - Basic Welding Processes
- **AND** WLD117 - Industrial SMAW
- **AND** WLD141 - Symbols & Specifications

Minimum Grade	D
Area	General Education
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	4

Requirement Select

- WLD121 - GMAW (MIG) FCAW/Plate

Minimum Grade	D
Area	General Education
Actual Credits	4

Total General Education Credits	Total Major Credits
14	0
Total Minor Credits	**Total Elective Credits**
0	0

C50420IP - Welding Technology – CCP Industrial Welding Cert

Overview

Program Title
Welding Technology – CCP Industrial Welding Cert

Program Code
C50420IP

Degree Designation
High School Program - CCP

Department
Welding Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD115 - SMAW (Stick) Plate (5 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD131 - GTAW (TIG) Plate (4 cr)

Other Required Courses

Other Major Courses
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD117 - Industrial SMAW (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	-	16

Requirement Select

- WLD115 - SMAW (Stick) Plate
- **AND** WLD117 - Industrial SMAW
- **AND** WLD121 - GMAW (MIG) FCAW/Plate
- **AND** WLD131 - GTAW (TIG) Plate

Minimum Grade	D
Area	General Education
Actual Credits	16

Total General Education Credits	Total Major Credits
16	0
Total Minor Credits	**Total Elective Credits**
0	0

C50420IW - Welding Technology – Industrial Plate Certificate

Overview

Program Title
Welding Technology – Industrial Plate Certificate

Program Code
C50420IW

Degree Designation
Certificate

Department
Welding Programs

Minimum Required Credit Hours
15

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Major Requirements/Technical Core
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)
- WLD115 - SMAW (Stick) Plate (5 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD131 - GTAW (TIG) Plate (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- WLD110 - Cutting Processes
- **AND** WLD115 - SMAW (Stick) Plate
- **AND** WLD141 - Symbols & Specifications

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- WLD121 - GMAW (MIG) FCAW/Plate
- **AND** WLD131 - GTAW (TIG) Plate

Minimum Grade	-
Area	Major
Actual Credits	8

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C50420MP - Welding Technology – CCP Industrial Maintenance Cert

Overview

Program Title
Welding Technology – CCP Industrial Maintenance Cert

Program Code
C50420MP

Degree Designation
High School Program - CCP

Department
Welding Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD115 - SMAW (Stick) Plate (5 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD141 - Symbols & Specifications (3 cr)

Other Required Courses

Other Major Hours
Type
Completion Requirement

Fabrication

Complete ALL of the following Courses:

- WLD151 - Fabrication I (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	-	16

Requirement Select

- WLD115 - SMAW (Stick) Plate
- **AND** WLD121 - GMAW (MIG) FCAW/Plate
- **AND** WLD141 - Symbols & Specifications
- **AND** WLD151 - Fabrication I

Minimum Grade	D
Area	Major
Actual Credits	16

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C50420MW - Welding Technology – Manufacturer Welding Certificate

Overview

Program Title
Welding Technology – Manufacturer Welding Certificate

Program Code
C50420MW

Degree Designation
Certificate

Department
Welding Programs

Minimum Required Credit Hours
14

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Symbols

Complete ALL of the following Courses:

- WLD141 - Symbols & Specifications (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD112 - Basic Welding Processes (2 cr)
- WLD117 - Industrial SMAW (3 cr)
- WLD151 - Fabrication I (4 cr)
- WLD212 - Inert Gas Welding (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
14

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select

- WLD112 - Basic Welding Processes
- **AND** WLD117 - Industrial SMAW
- **AND** WLD141 - Symbols & Specifications

Minimum Grade	D
Area	General Education
Actual Credits	8

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- WLD151 - Fabrication I
- **AND** WLD212 - Inert Gas Welding

Minimum Grade	D
Area	General Education
Actual Credits	6

Total General Education Credits	Total Major Credits
14	0
Total Minor Credits	**Total Elective Credits**
0	0

C50420PW - Welding Technology – Industrial Pipe Certificate

Overview

Program Title
Welding Technology – Industrial Pipe Certificate

Program Code
C50420PW

Degree Designation
Certificate

Department
Welding Programs

Minimum Required Credit Hours
15

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- MAC118 - Machine Shop Basic (2 cr)
- WLD214 - Sanitary Welding (4 cr)
- WLD215 - SMAW (stick) Pipe (4 cr)
- WLD231 - GTAW (TIG) Pipe (3 cr)
- WLD261 - Certification Practices (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select

- MAC141 - Machining Applications I
- **AND** WLD215 - SMAW (stick) Pipe

Minimum Grade	D
Area	Major
Actual Credits	8

Year	Semester	Actual Credits
Year 1	Spring	9

Requirement Select

- WLD214 - Sanitary Welding
- **AND** WLD231 - GTAW (TIG) Pipe
- **AND** WLD261 - Certification Practices

Minimum Grade	D
Area	Major
Actual Credits	9

Total General Education Credits	Total Major Credits
0	17
Total Minor Credits	**Total Elective Credits**
0	0

C50420WF - Welding Technology – Welding Fabrication Certificate

Overview

Program Title
Welding Technology – Welding Fabrication Certificate

Program Code
C50420WF

Degree Designation
Certificate

Department
Welding Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Cutting Processes

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Welding

Complete ALL of the following Courses:

- WLD117 - Industrial SMAW (3 cr)
- WLD151 - Fabrication I (4 cr)
- WLD251 - Fabrication II (3 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	13

Requirement Select

- MAC141 - Machining Applications I
  OR
- WLD110 - Cutting Processes
  OR
- WLD117 - Industrial SMAW
  OR
- WLD151 - Fabrication I

Minimum Grade	D
Area	Major
Actual Credits	13

Year	Semester	Actual Credits
Year 1	Spring	5

Requirement Select

- WLD212 - Inert Gas Welding
  OR
- WLD251 - Fabrication II
  OR
- Level I courses are required prerequisites to level II courses, therefore level II courses cannot be taken prior to level I courses. (Milestone)

Minimum Grade	D
Area	Major
Actual Credits	5

Total General Education Credits	Total Major Credits
0	18
Total Minor Credits	**Total Elective Credits**
0	0

C55140 - Cosmetology

Overview

Program Title
Cosmetology

Program Code
C55140

Degree Designation
Certificate

Department
Cosmetology Programs

Minimum Required Credit Hours
34

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Cosmetology

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I (4 cr)
- COS112 - Salon I (8 cr)
- COS113 - Cosmetology Concepts II (4 cr)
- COS114 - Salon II (8 cr)
- COS115 - Cosmetology Concepts III (4 cr)
- COS116 - Salon III (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- COS240 - Contemporary Design (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence for Day students that begin in Fall Semester
Total Degree Map Credits
34

Year	Semester	Actual Credits
Year 1	Fall	12

Requirement Select
- COS111 - Cosmetology Concepts I
- **AND** COS112 - Salon I

Minimum Grade D
Area Major
Actual Credits 12

Year	Semester	Actual Credits
Year 1	Spring	14

Requirement Select
- COS113 - Cosmetology Concepts II
- **AND** COS114 - Salon II
- **AND** COS240 - Contemporary Design

Minimum Grade D
Area Major
Actual Credits 14

Year	Semester	Actual Credits
Year 1	Summer	8

Requirement Select
- COS115 - Cosmetology Concepts III
- **AND** COS116 - Salon III

Minimum Grade D
Area Major
Actual Credits 8

Total General Education Credits 0
Total Major Credits 34
Total Minor Credits 0
Total Elective Credits 0

Degree Map Name
Recommended Course Sequence for Day students that begin in Spring Semester
Total Degree Map Credits
34

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select
- COS111 - Cosmetology Concepts I

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- COS112 - Salon I

Minimum Grade D
Area Major
Actual Credits 8

Year	Semester	Actual Credits
Year 1	Summer	8

Requirement Select
- COS113 - Cosmetology Concepts II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- COS114A - COS 114A Salon IIA

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select
- COS114AB - Salon II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- COS115 - Cosmetology Concepts III

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 2	Spring	6

Requirement Select

- COS116 - Salon III

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- COS240 - Contemporary Design

Minimum Grade	D
Area	Major
Actual Credits	2

Total General Education Credits	Total Major Credits
0	34
Total Minor Credits	**Total Elective Credits**
0	0

C55140P - Cosmetology - CCP

Overview

Program Title
Cosmetology - CCP

Program Code
C55140P

Degree Designation
High School Program - CCP

Department
Cosmetology Programs

Minimum Required Credit Hours
34

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I (4 cr)
- COS112 - Salon I (8 cr)
- COS113 - Cosmetology Concepts II (4 cr)
- COS114 - Salon II (8 cr)
- COS115 - Cosmetology Concepts III (4 cr)
- COS116 - Salon III (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Cosmetology

Complete ALL of the following Courses:

- COS240 - Contemporary Design (2 cr)

C55160 - Cosmetology Instructor

Overview

Program Title
Cosmetology Instructor

Program Code
C55160

Degree Designation
Certificate

Department
Cosmetology Programs

Minimum Required Credit Hours
24

Description

Program Description
The Cosmetology Instructor curriculum provides a course of study for learning the skills needed to teach the theory and practical services of cosmetology as required by the North Carolina Board of Cosmetic Arts.

Coursework includes requirements for becoming an instructor, introduction to teaching theory, methods and aids, practice student teaching, and development of evaluation instruments.

Graduates of the program may be employed as cosmetology instructors in public or private education and business.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Instructor Concepts

Complete ALL of the following Courses:

- COS271 - Instructor Concepts I (5 cr)
- COS272 - Instructor Practicum I (7 cr)
- COS273 - Instructor Concepts II (5 cr)
- COS274 - Instructor Practicum II (7 cr)

Requirement Select

- COS271 - Instructor Concepts I
- **AND** COS272 - Instructor Practicum I

Minimum Grade D
Area Major
Actual Credits 12

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select

- COS273 - Instructor Concepts II
- **AND** COS274 - Instructor Practicum II

Minimum Grade D
Area Major
Actual Credits 12

Total General Education Credits 0
Total Major Credits 24
Total Minor Credits 0
Total Elective Credits 0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
24

Year	Semester	Actual Credits
Year 1	Fall	12

C55180 - Criminal Justice Technology – Foundations of CJC Certificate

Overview

Program Title
Criminal Justice Technology – Foundations of CJC Certificate

Program Code
C55180

Degree Designation
Certificate

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

American Goventment

Complete ALL of the following Courses:
- POL130 - State & Local Government (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Criminal Justice

Complete ALL of the following Courses:
- CJC111 - Introduction to Criminal Justice (3 cr)
- CJC113 - Juvenile Justice (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Criminal Justice

Complete ALL of the following Courses:
- CJC121 - Law Enforcement Operations (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- CJC141 - Corrections (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall 1	6

Requirement Select
- CJC111 - Introduction to Criminal Justice
- **AND** POL130 - State & Local Government

Minimum Grade D
Area General Education
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Fall 2	3

Requirement Select
- CJC113 - Juvenile Justice

Minimum Grade D
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select
- CJC121 - Law Enforcement Operations
- **AND** CJC132 - Court Procedure & Evidence

Minimum Grade D
Area General Education
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 2	3

Requirement Select
- CJC141 - Corrections

Minimum Grade D
Area General Education
Actual Credits 3

Total General Education Credits	Total Major Credits
18	0
Total Minor Credits	**Total Elective Credits**
0	0

C55180P - Criminal Justice Tech – CCP Foundations of CJC Cert

Overview

Program Title
Criminal Justice Tech – CCP Foundations of CJC Cert

Program Code
C55180P

Degree Designation
High School Program - CCP

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Government

Complete ALL of the following Courses:

- POL130 - State & Local Government (3 cr)

Technical Core

Core Courses
Type
Completion Requirement

Criminal Justice

Complete ALL of the following Courses:

- CJC111 - Introduction to Criminal Justice (3 cr)
- CJC113 - Juvenile Justice (3 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Criminal Justice

Complete ALL of the following Courses:

- CJC121 - Law Enforcement Operations (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- CJC141 - Corrections (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select
- CJC111 - Introduction to Criminal Justice
- **AND** CJC113 - Juvenile Justice

Minimum Grade C
Area Major
Actual Credits 6

Requirement Select
- POL130 - State & Local Government

Minimum Grade C
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	9

Requirement Select
- CJC121 - Law Enforcement Operations
- **AND** CJC132 - Court Procedure & Evidence
- **AND** CJC141 - Corrections

Minimum Grade C
Area Major
Actual Credits 9

Total General Education Credits 3
Total Major Credits 15
Total Minor Credits 0
Total Elective Credits 0

C55220I - Early Childhood Introductory Certificate

Overview

Program Title
Early Childhood Introductory Certificate

Program Code
C55220I

Degree Designation
Certificate

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
The curriculum prepares individuals to work with children from birth to Kindergarten in diverse learning environments. Students will learn the basics about Early Childhood Education by combining learned theories, competency-based knowledge, and practice in actual settings with young children.

Course work includes child growth and development, physical and nutritional needs of children, safety issues in the care of young children; professionalism and workforce standards; design and implementation of appropriate curriculum; and other related topics.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU144 - Child Development I (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU157 - Active Play (3 cr)

- EDU173 - Becoming a Professional in Early Childhood Education (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Summer	4

Requirement Select
- EDU119 - Introduction to Early Childhood Education

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Fall	6

Requirement Select
- EDU144 - Child Development I
- **AND** EDU157 - Active Play

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select
- EDU153 - Health, Safety and Nutrition
- **AND** EDU173 - Becoming a Professional in Early Childhood Education

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C55220IP - Early Childhood Introductory - CCP Certificate

Overview

Program Title
Early Childhood Introductory - CCP Certificate

Program Code
C55220IP

Degree Designation
High School Program - CCP

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
The curriculum prepares individuals to work with children from birth to Kindergarten in diverse learning environments. Students will learn the basics about Early Childhood Education by combining learned theories, competency-based knowledge, and practice in actual settings with young children.

Course work includes child growth and development, physical and nutritional needs of children, safety issues in the care of young children; professionalism and workforce standards; design and implementation of appropriate curriculum; and other related topics.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU144 - Child Development I (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU157 - Active Play (3 cr)

- EDU173 - Becoming a Professional in Early Childhood Education (3 cr)

C55220PA - Education - Early Childhood Preschool Apprenticeship Certificate

Overview

Program Title
Education - Early Childhood Preschool Apprenticeship Certificate

Program Code
C55220PA

Degree Designation
Certificate

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This curriculum prepares individuals to work with preschool-aged children (3-5) in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with preschool children.

Course work includes child growth and development, physical/ nutritional needs of preschool children, safety issues in the care of preschool children; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate preschool programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and other preschool programs.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU145 - Child Development II (3 cr)
- EDU146 - Child Guidance (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- EDU119 - Introduction to Early Childhood Education
  OR
- EDU146 - Child Guidance
  OR
- EDU153 - Health, Safety and Nutrition

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- EDU131 - Child, Family, and Community
  OR
- EDU145 - Child Development II

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C55220TA - Infant/Toddler Care Apprenticeship Certificate

Overview

Program Title
Infant/Toddler Care Apprenticeship Certificate

Program Code
C55220TA

Degree Designation
Certificate

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
The curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with infants and toddlers.

Course work includes infant/toddler growth and development: physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Learning Outcomes (PLO's)

PLO Short Name Credential	Students who complete this certificate may apply for the National Infant-Toddler Child Development Associate (CDA Credential: NC Community College Track).

0	0

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Early Childhood

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU144 - Child Development I (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU234 - Infants, Toddlers, and Twos (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- EDU119 - Introduction to Early Childhood Education
  OR
- EDU144 - Child Development I
  OR
- EDU153 - Health, Safety and Nutrition

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- EDU131 - Child, Family, and Community
  OR
- EDU234 - Infants, Toddlers, and Twos

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**

C55230 - Esthetics Technology - Certificate

Overview

Program Title
Esthetics Technology - Certificate

Program Code
C55230

Degree Designation
Certificate

Department
Cosmetology Programs

Minimum Required Credit Hours
16

Description

Program Description
The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the art of skincare. The curriculum provides a simulated salon environment that enables students to develop manipulative skills. Course work includes instruction in all phases of professional Esthetics Technology, such as facials, electric modality facials, body treatments, hair removal, microdermabrasion, makeup, eyelash extensions and lash and brow lamentation as well as business/human relations, product knowledge, and other related topics. Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and cosmetic/skincare salons, as a platform artist, and in related businesses.

Program Learning Outcomes (PLO's)

PLO Short Name Apply the foundational knowledge	Apply the foundational knowledge obtained in the theoretical classroom on the subjects within our scope of practice that influence cosmetology and esthetics consultation and execution of services.

PLO Short Name Peform foundational technical skills	Perform foundational technical skills that are within the designated scope of practice for all Esthetics services.

PLO Short Name Execute universal precautions	Execute universal precautions (sanitation, disinfection and blood exposure) for the safety and protection of each client and the operator.

PLO Short Name Conduct professional consultations	Conduct professional consultations with clients to assess their specific Esthetic needs.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Esthetics

Complete ALL of the following Courses:

- COS119 - Esthetics Concepts I (2 cr)
- COS120 - Esthetics Salon I (6 cr)
- COS125 - Esthetics Concepts II (2 cr)
- COS126 - Esthetics Salon II (6 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select

- COS119 - Esthetics Concepts I
- **AND** COS120 - Esthetics Salon I

Minimum Grade D
Area Major
Actual Credits 8

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- COS125 - Esthetics Concepts II
- **AND** COS126 - Esthetics Salon II

Minimum Grade D
Area Major
Actual Credits 8

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits
Total Elective Credits

0	0

C55240 - Fire Protection Technology - Certificate

Overview

Program Title
Fire Protection Technology - Certificate

Program Code
C55240

Degree Designation
Certificate

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. CE to CU Credit may be awarded for previous fire and rescue training. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Fire Protection

Complete ALL of the following Courses:

- FIP120 - Introduction to Fire Protection (3 cr)
- FIP124 - Fire Prevention & Public Education (3 cr)
- FIP132 - Building Construction (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Additional Fire Protection

Complete ALL of the following Courses:

- FIP146 - Fire Protection Systems (4 cr)
- FIP152 - Fire Protection Law (3 cr)

C55240P - Fire Protection Technology – CCP Certificate

Overview

Program Title
Fire Protection Technology – CCP Certificate

Program Code
C55240P

Degree Designation
High School Program - CCP

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Technical Core

Core Courses
Type
Completion Requirement

Fire Protection

Complete ALL of the following Courses:

- FIP120 - Introduction to Fire Protection (3 cr)
- FIP124 - Fire Prevention & Public Education (3 cr)
- FIP132 - Building Construction (3 cr)

Other Major Hours - Required

Additional Fire Protection
Type
Completion Requirement

Additional Fire Protection

Complete ALL of the following Courses:

- FIP146 - Fire Protection Systems (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select
- FIP120 - Introduction to Fire Protection
- **AND** FIP124 - Fire Prevention & Public Education

Minimum Grade	C
Area	Major
Actual Credits	6

Requirement Select
- FIP132 - Building Construction

Minimum Grade	C
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	7

Requirement Select
- FIP146 - Fire Protection Systems
- **AND** FIP152 - Fire Protection Law

Minimum Grade	C
Area	Major
Actual Credits	7

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C55290 - Infant/Toddler Care Certificate

Overview

Program Title	**Program Code**
Infant/Toddler Care Certificate	C55290
Degree Designation	**Department**
Certificate	Education Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	16

Description

Program Description
The curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with infants and toddlers.

Course work includes infant/toddler growth and development: physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Learning Outcomes (PLO's)

PLO Short Name	Students who complete this certificate may apply for the National Infant-Toddler Child Development Associate (CDA Credential: NC Community College Track).
Credential	

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Early Childhood

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU144 - Child Development I (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU234 - Infants, Toddlers, and Twos (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- EDU119 - Introduction to Early Childhood Education
- **AND** EDU144 - Child Development I
- **AND** EDU153 - Health, Safety and Nutrition

Minimum Grade D
Area Major
Actual Credits 10

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- EDU131 - Child, Family, and Community
- **AND** EDU234 - Infants, Toddlers, and Twos

Minimum Grade D
Area Major
Actual Credits 6

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C55290P - Education - Early Childhood Infant/Toddler Care Certificate - CCP

Overview

Program Title
Education - Early Childhood Infant/Toddler Care Certificate - CCP

Program Code
C55290P

Degree Designation
High School Program - CCP

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This certificate is designed for high school students.

Program Learning Outcomes (PLO's)

PLO Short Name	Students who complete this certificate may apply for the National Infant-Toddler Child Development Associate (CDA Credential: NC Community College Track).
Credential	

Program Requirements

Simple Requisites

Technical Core

Core Courses
Type
Completion Requirement

Educational Core

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU144 - Child Development I (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU234 - Infants, Toddlers, and Twos (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence

Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- EDU119 - Introduction to Early Childhood Education
  OR
- EDU144 - Child Development I
  OR
- EDU153 - Health, Safety and Nutrition

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- EDU131 - Child, Family, and Community
  OR
- EDU234 - Infants, Toddlers, and Twos

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C55300 - Interpreter Education Certificate

Overview

Program Title
Interpreter Education Certificate

Program Code
C55300

Degree Designation
Certificate

Department
Interpreter Education Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communication

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Interpreter Education

Complete ALL of the following Courses:

- ASL111 - Elementary ASL I (3 cr)
- ASL112 - Elementary ASL II (3 cr)
- IPP111 - Introduction to Interpretation (3 cr)
- IPP112 - Comparative Cultures (3 cr)

Other Major Hours - Required

Other Major Courses

Type
Completion Requirement

ASL Labs

Complete ALL of the following Courses:

- ASL181 - ASL Lab 1 (1 cr)
- ASL182 - ASL Lab 2 (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ANY of the following Courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

C55300F - Interpreter Education - Fundamentals of ASL Certificate

Overview

Program Title
Interpreter Education - Fundamentals of ASL Certificate

Program Code
C55300F

Degree Designation
Certificate

Department
Interpreter Education Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

ASL

Complete ALL of the following Courses:

- ASL111 - Elementary ASL I (3 cr)
- ASL112 - Elementary ASL II (3 cr)
- ASL211 - Intermediate ASL I (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

ASL

Complete ALL of the following Courses:

- ASL181 - ASL Lab 1 (1 cr)
- ASL182 - ASL Lab 2 (1 cr)
- ASL212 - Intermediate ASL II (3 cr)
- ASL281 - ASL Lab 3 (1 cr)
- ASL282 - ASL Lab 4 (1 cr)

C55300FP - Interpreter Education - Fundamentals of ASL - CCP

Overview

Program Title
Interpreter Education - Fundamentals of ASL - CCP

Program Code
C55300FP

Degree Designation
High School Program - CCP

Department
Interpreter Education Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

ASL

Complete ALL of the following Courses:

- ASL111 - Elementary ASL I (3 cr)
- ASL112 - Elementary ASL II (3 cr)
- ASL211 - Intermediate ASL I (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

ASL

Complete ALL of the following Courses:

- ASL181 - ASL Lab 1 (1 cr)
- ASL182 - ASL Lab 2 (1 cr)
- ASL212 - Intermediate ASL II (3 cr)
- ASL281 - ASL Lab 3 (1 cr)
- ASL282 - ASL Lab 4 (1 cr)

C55300P - Interpreter Education - ASL & Deaf Culture -CCP

Overview

Program Title
Interpreter Education - ASL & Deaf Culture -CCP

Program Code
C55300P

Degree Designation
High School Program - CCP

Department
Interpreter Education Programs

Minimum Required Credit Hours
15

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Interpreter Education

Complete ALL of the following Courses:

- ASL111 - Elementary ASL I (3 cr)
- ASL112 - Elementary ASL II (3 cr)
- ASL211 - Intermediate ASL I (3 cr)
- IPP112 - Comparative Cultures (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- ASL181 - ASL Lab 1 (1 cr)
- ASL182 - ASL Lab 2 (1 cr)
- ASL281 - ASL Lab 3 (1 cr)

C55400 - Manicuring/Nail Technology

Overview

Program Title
Manicuring/Nail Technology

Program Code
C55400

Degree Designation
Certificate

Department
Cosmetology Programs

Minimum Required Credit Hours
12

Description

Program Description
The Manicuring/Nail Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. The curriculum provides a simulated salon environment that enables students to develop manipulative skills. Course work includes instruction in all phases of professional nail technology, business/ computer principles, product knowledge, and other related topics. Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and nail salons, as a platform artist, and in related businesses.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- COS121 - Manicure/Nail Technology I (6 cr)
- COS222 - Manicure/Nail Tech. II (6 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence

Total Degree Map Credits
12

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select
- COS121 - Manicure/Nail Technology I

Minimum Grade D
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select
- COS222 - Manicure/Nail Tech. II

Minimum Grade D
Area Major
Actual Credits 6

Total General Education Credits 0
Total Major Credits 12
Total Minor Credits 0
Total Elective Credits 0

C55400P - Manicuring/Nail Technology- CCP

Overview

Program Title
Manicuring/Nail Technology- CCP

Program Code
C55400P

Degree Designation
High School Program - CCP

Department
Cosmetology Programs

Minimum Required Credit Hours
12

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- COS121 - Manicure/Nail Technology I (6 cr)
- COS222 - Manicure/Nail Tech. II (6 cr)

C55490 - Elementary Education Residency Licensure Certificate

Overview

Program Title
Elementary Education Residency Licensure Certificate

Program Code
C55490

Degree Designation
Certificate

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
18

Description

Program Description
The Elementary Education Residency Certificate curriculum provides a course of study leading to the development of the general pedagogical competencies needed to become certified to teach by the North Carolina Department of Public Instruction.

Course work includes learning theory, instructional/educational technology, diverse learners, school policies and procedures, expectations and responsibilities of educators, teaching strategies/ methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/ management to enhance learning.

Graduates should meet general pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Program Requirements

Simple Requisites

Technical Core

Technical Core Courses
Type
Completion Requirement

Core Required Courses

Complete ALL of the following Courses:

- EDU270 - Effective Instructional Environments (2 cr)
- EDU272 - Technology, Data, and Assessment (3 cr)
- EDU277 - Integrated Curriculum & Instructional: Math (3 cr)
- EDU278 - Integrated Curriculum & Instructional: Social Studies/ELA (3 cr)
- EDU279 - Literacy Development and Instruction (4 cr)
- EDU283 - Educator Preparation Practicum (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	5

Requirement Select

- EDU270 - Effective Instructional Environments
- **AND** EDU272 - Technology, Data, and Assessment

Minimum Grade C
Area Major
Actual Credits 5

Year	Semester	Actual Credits
Year 1	Spring	4

Requirement Select

- EDU279 - Literacy Development and Instruction

Minimum Grade C
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 2	Fall	6

Requirement Select

- EDU277 - Integrated Curriculum & Instructional: Math
- **AND** EDU278 - Integrated Curriculum & Instructional: Social Studies/ELA

Minimum Grade C
Area Major
Actual Credits 6

Year	Semester	Actual Credits
Year 2	Spring	3

Requirement Select

- EDU283 - Educator Preparation Practicum

Minimum Grade C
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 18

Total Minor Credits	Total Elective Credits
0	0

C55850 - Education - Early Childhood Administration Certificate

Overview

Program Title
Education - Early Childhood Administration Certificate

Program Code
C55850

Degree Designation
Certificate

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This curriculum prepares individuals pursuing administrating roles in diverse child care settings to effectively work with children, families and teachers. The certificate is composed of learning opportunities in developmental theories, competency and evidence-based professional knowledge, administrative skills and leadership qualities.

Course work includes foundations in early childhood education, physical/nutritional needs of young children, safety issues in the care of young children; communication and leadership skills with teachers, families and children; programming and staffing, budgeting/financial management and marketing, and rules and regulations of early childhood programs.

Employment opportunities include entrepreneurship and/or management of child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start and Head Start programs, and other programs.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)
- EDU261 - Early Childhood Administration I (3 cr)
- EDU262 - Early Childhood Administration II (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Summer	4

Requirement Select

- EDU119 - Introduction to Early Childhood Education

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Fall	6

Requirement Select

- EDU261 - Early Childhood Administration I
- **AND** EDU262 - Early Childhood Administration II

Minimum Grade	D
Area	Major
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- EDU131 - Child, Family, and Community
- **AND** EDU153 - Health, Safety and Nutrition

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C55860 - Education - Early Childhood Preschool Certificate

Overview

Program Title
Education - Early Childhood Preschool Certificate

Program Code
C55860

Degree Designation
Certificate

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This curriculum prepares individuals to work with preschool-aged children (3-5) in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with preschool children.

Course work includes child growth and development, physical/ nutritional needs of preschool children, safety issues in the care of preschool children; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate preschool programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and other preschool programs.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU145 - Child Development II (3 cr)
- EDU146 - Child Guidance (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	10

Requirement Select

- EDU119 - Introduction to Early Childhood Education
- **AND** EDU146 - Child Guidance
- **AND** EDU153 - Health, Safety and Nutrition

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 1	Spring	6

Requirement Select

- EDU131 - Child, Family, and Community
- **AND** EDU145 - Child Development II

Minimum Grade	D
Area	Major
Actual Credits	6

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C55860P - Education - Early Childhood Preschool - CCP

Overview

Program Title
Education - Early Childhood Preschool - CCP

Program Code
C55860P

Degree Designation
High School Program - CCP

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
16

Description

Program Description
This curriculum prepares individuals to work with preschool-aged children (3-5) in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with preschool children.

Course work includes child growth and development, physical/ nutritional needs of preschool children, safety issues in the care of preschool children; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate preschool programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and other preschool programs.

Students may be required to take developmental courses in Math and/ or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Hybrid and Online students should be prepared to participate in community service, workshops, observations and other assignments that require additional time and preparation.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education (4 cr)
- EDU131 - Child, Family, and Community (3 cr)
- EDU145 - Child Development II (3 cr)
- EDU146 - Child Guidance (3 cr)
- EDU153 - Health, Safety and Nutrition (3 cr)

C60130IE - Collision Repair and Refinishing Technology - Insurance Estimating

Overview

Program Title
Collision Repair and Refinishing Technology - Insurance Estimating

Program Code
C60130IE

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
14

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Complete ALL of the following Courses:
- AUB111 - Painting & Refinishing I (4 cr)
- AUB121 - Non-Structural Damage I (3 cr)
- AUB131 - Structural Damage I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Complete ALL of the following Courses:
- AUB160 - Body Shop Operations (1 cr)
- AUB162 - Autobody Estimating (2 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
14

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select

- AUB111 - Painting & Refinishing I
- **AND** AUB121 - Non-Structural Damage I
- **AND** AUB160 - Body Shop Operations
- **AND** AUB162 - Autobody Estimating

Minimum Grade	D
Area	Major
Actual Credits	10

Year	Semester	Actual Credits
Year 2	Fall 2	4

Requirement Select

- AUB131 - Structural Damage I

Minimum Grade	D
Area	Major
Actual Credits	4

Total General Education Credits	Total Major Credits
0	14
Total Minor Credits	**Total Elective Credits**
0	0

C60130IP - Collision Repair and Refinishing Technology - Insurance Estimating Certificate - CCP

Overview

Program Title
Collision Repair and Refinishing Technology - Insurance Estimating Certificate - CCP

Program Code
C60130IP

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
14

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Complete ALL of the following Courses:

- AUB111 - Painting & Refinishing I (4 cr)
- AUB121 - Non-Structural Damage I (3 cr)
- AUB131 - Structural Damage I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Complete ALL of the following Courses:

- AUB160 - Body Shop Operations (1 cr)
- AUB162 - Autobody Estimating (2 cr)

C60130NS - Collision Repair and Refinishing Technology - Non-Structural

Overview

Program Title
Collision Repair and Refinishing Technology - Non-Structural

Program Code
C60130NS

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
15

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- AUB111 - Painting & Refinishing I (4 cr)
- AUB112 - Painting & Refinishing II (4 cr)
- AUB121 - Non-Structural Damage I (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major

Complete ALL of the following Courses:
- AUB122 - Non-Structural Damage II (4 cr)

Recommended Course Sequence

Degree Map Name

Recommended Course Sequence
Total Degree Map Credits
15

Year	Semester	Actual Credits
Year 1	Fall	7

Requirement Select
- AUB111 - Painting & Refinishing I

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- AUB121 - Non-Structural Damage I

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select
- AUB112 - Painting & Refinishing II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- AUB122 - Non-Structural Damage II

Minimum Grade D
Area Major
Actual Credits 4

Total General Education Credits 0
Total Major Credits 15
Total Minor Credits 0
Total Elective Credits 0

C60130S - Collision Repair and Refinishing Technology - Structural

Overview

Program Title
Collision Repair and Refinishing Technology - Structural

Program Code
C60130S

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- AUB111 - Painting & Refinishing I (4 cr)
- AUB131 - Structural Damage I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other required

Complete ALL of the following Courses:
- AUB132 - Structural Damage II (4 cr)
- TRN180 - Basic Welding for Transportation (3 cr)
- TRN180A - Basic Welding for Transp Lab (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select
- AUB111 - Painting & Refinishing I

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- AUB131 - Structural Damage I

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select
- AUB132 - Structural Damage II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- TRN180 - Basic Welding for Transportation

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- TRN180A - Basic Welding for Transp Lab

Minimum Grade D
Area Major
Actual Credits 1

Total General Education Credits	Total Major Credits
0	16
Total Minor Credits	**Total Elective Credits**
0	0

C60160CT - Automotive Systems Technology - Chassis Technician

Overview

Program Title
Automotive Systems Technology - Chassis Technician

Program Code
C60160CT

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- AUT141 - Suspension & Steering Systems (3 cr)
- AUT151 - Brake Systems (3 cr)
- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- AUT141A - Suspension & Steering Lab (1 cr)
- AUT151A - Brakes Systems Lab (1 cr)
- WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
10

Year	Semester	Actual Credits
Year 1	Fall	7

Requirement Select

- AUT151 - Brake Systems
- **AND** AUT151A - Brakes Systems Lab

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- TRN111 - Chassis Maintenance/Light Repair
- **AND** TRN130 - Introduction to Sustainable Transportation

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Spring	3

Requirement Select

- AUT141 - Suspension & Steering Systems
- **AND** AUT141A - Suspension & Steering Lab
- **AND** WBL111 - Work-Based Learning I

Minimum Grade D
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 10
Total Minor Credits 0
Total Elective Credits 0

C60160DR - Automotive Systems Technology - Driveline Performance

Overview

Program Title
Automotive Systems Technology - Driveline Performance

Program Code
C60160DR

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
15

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- TRN112 - Powertrain Maintenance/Light Repair (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- AUT116 - Engine Repair (3 cr)
- AUT116A - Engine Repair Lab (1 cr)
- AUT221 - Automatic Transmission/Transaxles (3 cr)
- AUT231 - Manual Transmissions, Trans-Axles, Drivetrains (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
15

Year	Semester	Actual Credits
Year 1	Fall 1	8

Requirement Select

- AUT116 - Engine Repair
- **AND** AUT116A - Engine Repair Lab
- **AND** TRN112 - Powertrain Maintenance/Light Repair

Minimum Grade	D
Area	Major
Actual Credits	8

Year	Semester	Actual Credits
Year 2	Fall 2	7

Requirement Select

- AUT231 - Manual Transmissions, Trans-Axles, Drivetrains
- **AND** AUT221 - Automatic Transmission/ Transaxles
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select
-

Minimum Grade	-
Area	-
Actual Credits	-

Total General Education Credits	Total Major Credits
0	15
Total Minor Credits	**Total Elective Credits**
0	0

C60160ED - Automotive Systems Technology – Auto Electric Drive Certificate

Overview

Program Title
Automotive Systems Technology – Auto Electric Drive Certificate

Program Code
C60160ED

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
14

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Transportation Electricity

Complete ALL of the following Courses:

- TRN120 - Basic Transportation Electricity (5 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Hybrid or Diesel Electric Drive

Complete at least 1 of the following courses:

- ATT125 - Hybrid-Electric Transportation (4 cr)
- LDD116 - Diesel Electric-Drive (4 cr)

Transportation

Complete ALL of the following Courses:

- TRN145 - Advanced Transportation Electronics (3 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
15

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select

- TRN120 - Basic Transportation Electricity
- **AND** TRN130 - Introduction to Sustainable Transportation

Minimum Grade D
Area Major
Actual Credits 8

Year	Semester	Actual Credits
Year 1	Spring	4

Requirement Select

- ATT125 - Hybrid-Electric Transportation
  OR
- LDD116 - Diesel Electric-Drive

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 2	Fall 2	3

Requirement Select

- TRN145 - Advanced Transportation Electronics

Minimum Grade D
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 15
Total Minor Credits 0
Total Elective Credits 0

C60160EN - Automotive Systems Technology - Engine Performance

Overview

Program Title
Automotive Systems Technology - Engine Performance

Program Code
C60160EN

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- AUT181 - Engine Performance 1 (3 cr)
- AUT183 - Engine Performance 2 (4 cr)
- TRN112 - Powertrain Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- AUT181A - Engine Performance 1 Lab (1 cr)
- WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	9

Requirement Select

- TRN112 - Powertrain Maintenance/Light Repair

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select

- TRN120 - Basic Transportation Electricity

Minimum Grade D
Area Major
Actual Credits 5

Year	Semester	Actual Credits
Year 1	Spring	3

Requirement Select

- AUT181 - Engine Performance 1
- **AND** AUT181A - Engine Performance 1 Lab

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	4

Requirement Select

- AUT183 - Engine Performance 2
- **AND** WBL111 - Work-Based Learning I

Minimum Grade D
Area Major
Actual Credits 4

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C60160EP - Automotive Systems Technology - Auto Master Level II -CCP

Overview

Program Title
Automotive Systems Technology - Auto Master Level II -CCP

Program Code
C60160EP

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
17

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Automotive

Complete ALL of the following Courses:

- AUT181 - Engine Performance 1 (3 cr)
- TRN112 - Powertrain Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN140 - Transportation Climate Control (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Automotive

Complete ALL of the following Courses:

- AUT181A - Engine Performance 1 Lab (1 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)

Additional Comments:
*Corequisite, course cannot be taken by itself.

C60160ET - Automotive Systems Technology - Electrical/Electronic Technician

Overview

Program Title
Automotive Systems Technology - Electrical/Electronic Technician

Program Code
C60160ET

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete at least 1 of the following courses:

- ATT125 - Hybrid-Electric Transportation (4 cr)
- LDD116 - Diesel Electric-Drive (4 cr)

Other Major Courses

Complete ALL of the following Courses:

- TRN145 - Advanced Transportation Electronics (3 cr)
- WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
11

Year	Semester	Actual Credits
Year 1	Fall 1	4

Requirement Select
- TRN111 - Chassis Maintenance/Light Repair
- **AND** TRN120 - Basic Transportation Electricity

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Spring 1	4

Requirement Select
- ATT125 - Hybrid-Electric Transportation
  OR
- LDD116 - Diesel Electric-Drive

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 2	Fall 2	3

Requirement Select
- TRN145 - Advanced Transportation Electronics
- **AND** WBL111 - Work-Based Learning I

Minimum Grade D
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 11
Total Minor Credits 0
Total Elective Credits 0

C60160MT - Automotive Systems Technology - Mobile Equipment Technician

Overview

Program Title
Automotive Systems Technology - Mobile Equipment Technician

Program Code
C60160MT

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
17

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- TRN112 - Powertrain Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)
- TRN140 - Transportation Climate Control (2 cr)

Other Major Hours - Required

Other Major Hours- Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:
- TRN140A - Transportation Climate Control Lab (2 cr)

- WBL111 - Work-Based Learning I (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
17

Year	Semester	Actual Credits
Year 1	Fall	12

Requirement Select
- TRN112 - Powertrain Maintenance/Light Repair

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- TRN120 - Basic Transportation Electricity

Minimum Grade D
Area Major
Actual Credits 5

Requirement Select
- TRN130 - Introduction to Sustainable Transportation

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	5

Requirement Select
- TRN140 - Transportation Climate Control

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select
- TRN140A - Transportation Climate Control Lab

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select
- WBL111 - Work-Based Learning I

Minimum Grade D
Area Major
Actual Credits 1

Total General Education Credits	Total Major Credits
0	17
Total Minor Credits	**Total Elective Credits**
0	0

C60160NP - Automotive Systems Technology - Auto Master Level 1 - CCP

Overview

Program Title
Automotive Systems Technology - Auto Master Level 1 - CCP

Program Code
C60160NP

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
15

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- AUT141 - Suspension & Steering Systems (3 cr)
- AUT151 - Brake Systems (3 cr)
- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- AUT141A - Suspension & Steering Lab (1 cr)
- AUT151A - Brakes Systems Lab (1 cr)

C60160P - Automotive Systems Tech - Engine Performance - CCP

Overview

Program Title
Automotive Systems Tech - Engine Performance - CCP

Program Code
C60160P

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
18

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- AUT181 - Engine Performance 1 (3 cr)
- TRN112 - Powertrain Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- AUT181A - Engine Performance 1 Lab (1 cr)
- AUT183 - Engine Performance 2 (4 cr)

C60430LD - Automotive Light-Duty Diesel Technology - Diesel Performance

Overview

Program Title
Automotive Light-Duty Diesel Technology - Diesel Performance

Program Code
C60430LD

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
16

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information. This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- HET134 - Diesel Fuel & Power Systems (3 cr)
- LDD112 - Introduction to Light-Duty Diesel (3 cr)
- LDD183 - Air, Exhaust, Emissions (4 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- LDD284 - LDD Test and Diagnosis (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	6

Requirement Select

- LDD112 - Introduction to Light-Duty Diesel

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- TRN130 - Introduction to Sustainable Transportation

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	7

Requirement Select

- HET134 - Diesel Fuel & Power Systems

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- LDD183 - Air, Exhaust, Emissions

Minimum Grade D
Area Major
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Summer	3

Requirement Select

- LDD284 - LDD Test and Diagnosis

Minimum Grade D
Area Major
Actual Credits 3

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

C60430LF - Automotive Light Duty - Fuel Systems

Overview

Program Title
Automotive Light Duty - Fuel Systems

Program Code
C60430LF

Degree Designation
Certificate

Department
Transportation Programs

Minimum Required Credit Hours
18

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information. This program of study does not qualify for federal and/or state financial aid.

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- HET134 - Diesel Fuel & Power Systems (3 cr)
- LDD112 - Introduction to Light-Duty Diesel (3 cr)
- LDD181 - LDD Fuel Systems (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)

Requirement Select

- LDD112 - Introduction to Light-Duty Diesel

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- TRN120 - Basic Transportation Electricity

Minimum Grade D
Area Major
Actual Credits 5

Requirement Select

- TRN130 - Introduction to Sustainable Transportation

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	7

Requirement Select

- HET134 - Diesel Fuel & Power Systems

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select

- LDD181 - LDD Fuel Systems

Minimum Grade D
Area Major
Actual Credits 4

Total General Education Credits 0
Total Major Credits 18
Total Minor Credits 0
Total Elective Credits 0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
18

Year	Semester	Actual Credits
Year 1	Fall	11

C60430LP - Automotive Light-Duty Diesel Technology - Light-Duty Diesel Fuel Systems -CCP

Overview

Program Title
Automotive Light-Duty Diesel Technology - Light-Duty Diesel Fuel Systems -CCP

Program Code
C60430LP

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
16

Program Requirements

Simple Requisites

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- LDD112 - Introduction to Light-Duty Diesel (3 cr)
- LDD181 - LDD Fuel Systems (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- LDD183 - Air, Exhaust, Emissions (4 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
16

Year	Semester	Actual Credits
Year 1	Fall	8

Requirement Select

- TRN120 - Basic Transportation Electricity

OR

- LDD112 - Introduction to Light-Duty Diesel

Minimum Grade D
Area Major
Actual Credits 8

Year	Semester	Actual Credits
Year 1	Spring	8

Requirement Select

- LDD181 - LDD Fuel Systems

OR

- LDD183 - Air, Exhaust, Emissions

Minimum Grade D
Area Major
Actual Credits 8

Total General Education Credits 0
Total Major Credits 16
Total Minor Credits 0
Total Elective Credits 0

D15240 - Horticulture Technology

Overview

Program Title
Horticulture Technology

Program Code
D15240

Degree Designation
Diploma

Department
Horticulture Programs

Minimum Required Credit Hours
37

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Mathematics

Complete ALL of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)

Communications

Complete at least 1 of the following courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- HOR112 - Landscape Design I (3 cr)
- HOR160 - Plant Materials I (3 cr)
- HOR161 - Plant Materials II (3 cr)
- HOR162 - Applied Plant Science (3 cr)
- HOR164 - Horticultural Pest Management (3 cr)
- HOR166 - Soils & Fertilizers (3 cr)
- HOR168 - Plant Propagation (3 cr)

Operations

Complete at least 1 of the following courses:
- HOR124 - Nursery Operations (3 cr)
- HOR134 - Greenhouse Operations (3 cr)

Other Major Hours - Required

Other Major Hours
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:
- HOR152 - Horticultural Practices (1 cr)
- HOR235 - Greenhouse Production (3 cr)
- HOR265 - Advanced Plant Materials (2 cr)

Other Required Courses

Other Required
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Horticulture Diploma
Total Degree Map Credits
37

Year	Semester	Actual Credits
Year 1	Fall	19

Requirement Select
- HOR112 - Landscape Design I
- **AND** HOR160 - Plant Materials I
- **AND** HOR162 - Applied Plant Science
- **AND** HOR168 - Plant Propagation
- **AND** HOR166 - Soils & Fertilizers

Minimum Grade -
Area Major
Actual Credits 15

Requirement Select
- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade -
Area General Education
Actual Credits 1

Requirement Select

- HOR124 - Nursery Operations
  OR
- HOR134 - Greenhouse Operations

Minimum Grade	-
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select

- HOR152 - Horticultural Practices
- **AND** HOR161 - Plant Materials II
- **AND** HOR164 - Horticultural Pest Management
- **AND** HOR235 - Greenhouse Production
- **AND** HOR265 - Advanced Plant Materials

Minimum Grade	-
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	General Education
Actual Credits	3

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade	-
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
7	30
Total Minor Credits	**Total Elective Credits**
0	0

D15250 - Brewing, Distillation and Fermentation- Diploma

Overview

Program Title
Brewing, Distillation and Fermentation- Diploma

Program Code
D15250

Degree Designation
Diploma

Department
Brewing Programs

Minimum Required Credit Hours
37

Description

Program Description
NCCCS requires that all students must be 21 years of age or older by the start of all BDF and VEN prefix courses.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

ACA 122 and MAT 110 should be completed in the first semester with a minimum grade of "C".

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

General Education Courses

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- BDF110 - Fermentation Production (4 cr)

- BDF111 - BDF Safety & Sanitation (2 cr)
- BDF115 - Applied Craft Bev Microbiology (4 cr)
- BDF125 - Bev Tech & Calculations (2 cr)
- BUS110 - Introduction to Business (3 cr)
- HOR245 - Horticulture Specialty Crops (3 cr)
- MNT110 - Introduction to Maintenance Procedures (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete at least 1 of the following courses:
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)

Other Major Courses

Complete ALL of the following Courses:
- BDF180 - Sensory Evaluation (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
37 - 38

Year	Semester	Actual Credits
Year 1	Fall	16 - 17

Requirement Select
- ACA115 - Success & Study Skills

OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select
- BDF111 - BDF Safety & Sanitation

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select
- BDF125 - Bev Tech & Calculations

Minimum Grade D
Area Major
Actual Credits 2

Requirement Select
- ELC128 - Intro to PLC

OR
- ELC131 - Circuit Analysis I

Minimum Grade D
Area Major
Actual Credits 3 - 4

Requirement Select
- HOR245 - Horticulture Specialty Crops

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- MAT110 - Math Measurement & Literacy

Minimum Grade C
Area General Education
Actual Credits 3

Requirement Select
- MNT110 - Introduction to Maintenance Procedures

Minimum Grade D
Area Major
Actual Credits 2

Year	Semester	Actual Credits
Year 1	Spring	18

Requirement Select
- BDF110 - Fermentation Production

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- BDF115 - Applied Craft Bev Microbiology

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- BDF180 - Sensory Evaluation

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- BDF236 - Brewing/Packaging Maintenance

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- BUS110 - Introduction to Business

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	3

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Total General Education Credits 7
Total Major Credits 30 - 31
Total Minor Credits 0
Total Elective Credits 0

D25120 - Business Administration - Marketing Diploma

Overview

Program Title
Business Administration - Marketing Diploma

Program Code
D25120

Degree Designation
Diploma

Department
Business Programs

Fully online option available?
Yes

Description

Program Description
The Marketing curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the marketing profession. Marketing professionals identify the strategies and techniques used to attract customers to a business.

Graduates should qualify for entry-level marketing positions in many types of organizations including marketing firms and businesses of all sizes.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core

Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- MKT120 - Principles of Marketing (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration - Marketing

Complete ALL of the following Courses:

- MKT220 - Advertising and Sales Promotions (3 cr)
- MKT232 - Social Media Marketing (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Required

Complete ALL of the following Courses:

- WEB213 - Internet Mkt & Analytics (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
39 - 40

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select

- ACA115 or ACA122 (Milestone)

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- BUS110 - Introduction to Business
  OR
- BUS137 - Principles of Management
  OR
- MKT120 - Principles of Marketing

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 1	Fall 2	9 - 10

Requirement Select

- BUS115 - Business Law I
  OR
- MKT220 - Advertising and Sales Promotions

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select

- MAT143 or MAT152 or MAT171 (Milestone)

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 1	Spring 1	10

Requirement Select

- ACC120 - Principles of Financial Accounting
  OR
- WEB213 - Internet Mkt & Analytics

Minimum Grade D
Area Major
Actual Credits 7

Requirement Select

- ECO251 - Principles of Microeconomics

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 2	10

Requirement Select

- CIS110 - Introduction to Computers

OR

- MKT232 - Social Media Marketing

Minimum Grade	D
Area	Major
Actual Credits	7

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
10 - 11	29
Total Minor Credits	**Total Elective Credits**
0	0

D25120L - Business Administration - Leadership Studies Diploma

Overview

Program Title
Business Administration - Leadership Studies Diploma

Program Code
D25120L

Degree Designation
Diploma

Department
Business Programs

Fully online option available?
Yes

Minimum Required Credit Hours
38

Description

Program Description
The Leadership Diploma provides students the opportunity to develop an understanding of the basics of the field of business administration as well as the traits and tools of effective leaders.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placements tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Social/Behavioral Sci

Complete ALL of the following Courses:

- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Complete at least 1 of the following courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting (4 cr)
- BUS110 - Introduction to Business (3 cr)
- BUS115 - Business Law I (3 cr)
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Hours Required

Complete ALL of the following Courses:

- BUS270 - Professional Development (3 cr)
- LDR110 - Introduction to Leadership (3 cr)
- LDR115 - Evidence-Based Leadership & Decision Making (3 cr)
- LDR225 - Leading Change (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
38 - 39

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select

- BUS110 - Introduction to Business
- **AND** BUS137 - Principles of Management
- **AND** LDR110 - Introduction to Leadership

Minimum Grade D
Area Major
Actual Credits 9

Year	Semester	Actual Credits
Year 1	Fall 2	9 - 10

Requirement Select

- BUS115 - Business Law I
- **AND** LDR115 - Evidence-Based Leadership & Decision Making

Minimum Grade D
Area Major
Actual Credits 6

Requirement Select

- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I
  OR
- MAT171 - Precalculus Algebra

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Year	Semester	Actual Credits
Year 1	Spring 1	10

Requirement Select

- ENG111 - Writing and Inquiry
- **AND** ECO251 - Principles of Microeconomics

Minimum Grade D
Area General Education
Actual Credits 6

Requirement Select

- ACC120 - Principles of Financial Accounting

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring 2	9

Requirement Select

- BUS270 - Professional Development
- **AND** CIS110 - Introduction to Computers
- **AND** LDR225 - Leading Change

Minimum Grade	D
Area	Major
Actual Credits	9

Total General Education Credits	Total Major Credits
10 - 11	28
Total Minor Credits	**Total Elective Credits**
0	0

D25310 - Medical Office Administration Diploma

Overview

Program Title
Medical Office Administration Diploma

Program Code
D25310

Degree Designation
Diploma

Department
Medical Office Administration Programs

Fully online option available?
Yes

Program Requirements

Simple Requisites

General Education

Communications
Type
Completion Requirement

Complete at least 1 of the following courses:

- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

Complete at least 1 courses in the following course sets:

- Humanities (AAS)
- Social/Behavioral Science Electives (AAS)

Technical Core

Technical Core
Type
Completion Requirement

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers (3 cr)
- OST136 - Word Processing (3 cr)
- OST141 - Medical Office Terms I (3 cr)
- OST142 - Medical Office Terms II (3 cr)
- OST148 - Medical Coding Billing & Insurance (3 cr)
- OST149 - Medical Legal Issues (3 cr)
- OST164 - Office Editing (3 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
41

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select
- ACA115 or ACA122 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select
- CIS110 - Introduction to Computers
  OR
- OST136 - Word Processing
  OR
- OST141 - Medical Office Terms I

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Fall 2	9

Requirement Select
- OST134 - Text Entry & Formatting
  OR
- OST142 - Medical Office Terms II
  OR
- OST148 - Medical Coding Billing & Insurance

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Spring 1	9

Requirement Select
- OST149 - Medical Legal Issues
  OR
- OST164 - Office Editing

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select
- COM120, COM231, or ENG111 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 2	10

Requirement Select
- BUS137 - Principles of Management
  OR
- OST243 - Medical Office Simulation
  OR
- OST286 - Professional Development

Minimum Grade	D
Area	Major
Actual Credits	9

Requirement Select
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	1

Year	Semester	Actual Credits
Year 1	Summer	3

Requirement Select
- 3 credits must be selected from the Humanities/ Fine Arts Elective list (Milestone)
  OR
- 3 credits must be selected from the Social/ Behavioral Science Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
7	34
Total Minor Credits	**Total Elective Credits**
0	0

D25370 - Office Administration - General Office Diploma

Overview

Program Title
Office Administration - General Office Diploma

Program Code
D25370

Degree Designation
Diploma

Department
Office Administration Programs

Fully online option available?
Yes

Description

Program Description
This program is designed to prepare students to provide administrative support in an office setting. It will also serve as a source of trained support staff for employers. This program provides students the opportunity to earn Microsoft Office Specialist (MOS) Certifications as part of their coursework.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Communications

Complete at least 1 of the following courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd General Ed

Complete at least 1 courses in the following course sets:
- Humanities (AAS)
- Social/Behavioral Science Electives (AAS)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:
- BUS137 - Principles of Management (3 cr)
- CIS110 - Introduction to Computers (3 cr)
- OST136 - Word Processing (3 cr)
- OST164 - Office Editing (3 cr)
- OST289 - Office Administration Capstone (3 cr)

Concentration/Pathway Hours

Concentration/Pathway Hours
Type
Completion Requirement

Concentration Pathway - General Office

Complete ALL of the following Courses:
- OST134 - Text Entry & Formatting (3 cr)
- OST236 - Advanced Word Processing (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses - Required

Complete ALL of the following Courses:
- CTS125 - Presentation Graphics (3 cr)
- CTS130 - Spreadsheet (3 cr)
- MKT223 - Customer Experience (3 cr)
- WBL111 - Work-Based Learning I (1 cr)
- OST286 - Professional Development (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
41

Year	Semester	Actual Credits
Year 1	Fall 1	10

Requirement Select

- ACA115 or ACA122 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- CIS110 - Introduction to Computers
  OR
- CTS130 - Spreadsheet
  OR
- OST136 - Word Processing

Minimum Grade	D
Area	Major
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Fall 2	12

Requirement Select

- BUS137 - Principles of Management
  OR
- MKT223 - Customer Experience
  OR
- OST134 - Text Entry & Formatting
  OR
- OST236 - Advanced Word Processing

Minimum Grade	D
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Spring 1	6

Requirement Select

- Eng110 or ENG111 (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- OST164 - Office Editing

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 2	9

Requirement Select

- OST286 - Professional Development
  OR
- OST289 - Office Administration Capstone

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- 3 Credits must be selected from the Social/ Behavioral Science Elective list OR 3 Credits must be selected from the Humanities/Fine Arts Elective list (Milestone)

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	4

Requirement Select

- CTS125 - Presentation Graphics
  OR
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	4

Total General Education Credits	Total Major Credits
7	34
Total Minor Credits	**Total Elective Credits**
0	0

D30140 - Film and Video Production Technology - Diploma

Overview

Program Title
Film and Video Production Technology - Diploma

Program Code
D30140

Degree Designation
Diploma

Department
Film and Video Programs

Minimum Required Credit Hours
39

Description

Program Description
Diploma
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete ANY of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- FVP111 - Introduction to Film and Video (3 cr)
- FVP112 - Art Deptartment Operations I (3 cr)
- FVP113 - Grip & Electrical I (3 cr)
- FVP114 - Camera & Lighting I (3 cr)
- FVP116 - Sound Operations (3 cr)
- FVP212 - Production Techniques I (5 cr)

Other Major Hours - Required

Other Major Hours-Required
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:
- FVP215 - Production Management (3 cr)
- FVP220 - Editing I (3 cr)
- FVP240 - Introduction to Screenwriting (3 cr)

Other Major Hours - Electives List

Other Major Hours-Electives
Type
Completion Requirement

Electives

Earn at least 3 credits from the following:
- FVP115 - Camera & Lighting II (3 cr)
- FVP221 - Editing II (3 cr)
- FVP223 - Postproduction Sound Design (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

ACA

Complete ANY of the following Courses:
- ACA122 - College Transfer Success (1 cr)
- ACA115 - Success & Study Skills (1 cr)

Recommended Course Sequence

Degree Map Name
Film and Video Diploma
Total Degree Map Credits
39 - 40

Year	Semester	Actual Credits

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select
- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade -
Area General Education
Actual Credits 1

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade -
Area General Education
Actual Credits 3

Requirement Select
- FVP111 - Introduction to Film and Video
- **AND** FVP112 - Art Deptartment Operations I
- **AND** FVP114 - Camera & Lighting I
- **AND** FVP116 - Sound Operations

Minimum Grade -
Area Major
Actual Credits 12

Year	Semester	Actual Credits
Year 1	Spring	14 - 15

Requirement Select
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I
  OR
- MAT171 - Precalculus Algebra

Minimum Grade -
Area General Education
Actual Credits 3 - 4

Requirement Select
- FVP113 - Grip & Electrical I
- **AND** FVP212 - Production Techniques I
- **AND** FVP220 - Editing I

Minimum Grade -
Area Major
Actual Credits 11

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select
- FVP215 - Production Management
- **AND** FVP240 - Introduction to Screenwriting

Minimum Grade -
Area Major
Actual Credits 6

Requirement Select
- FVP115 - Camera & Lighting II
  OR
- FVP221 - Editing II
  OR
- FVP223 - Postproduction Sound Design

Minimum Grade -
Area Elective
Actual Credits 3

Total General Education Credits	Total Major Credits
7 - 8	29
Total Minor Credits	**Total Elective Credits**
0	3

D40140 - Civil Engineering Technology - Diploma

Overview

Program Title
Civil Engineering Technology - Diploma

Program Code
D40140

Degree Designation
Diploma

Department
Engineering Programs

Minimum Required Credit Hours
38

Description

Program Description
Pending approval by the Southern Association of Colleges and Schools.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, CEG, DFT, EGR, MAT, and SRV.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- CEG111 - Introduction to GIS and GNSS (4 cr)
- CEG115 - Introduction to Tech & Sustainability (3 cr)
- CEG211 - Hydrology & Erosion Control (3 cr)
- DFT151 - CAD I (3 cr)
- SRV110 - Surveying I (4 cr)

Concentration/Pathway Hours

Program Major
Type
Completion Requirement

Program Major

Complete ALL of the following Courses:
- EGR250 - Statics/Strength of Mater (5 cr)
- SRV111 - Surveying II (4 cr)

Other Major Hours - Required

Other Major Hours- Required
Type
Completion Requirement

Complete ALL of the following Courses:
- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)

Other Major Hours - Electives List

Electives
Type
Completion Requirement

Earn at least 1 credits from the following:
- MAT172 - Precalculus Trigonometry (4 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

ACA
Type
Completion Requirement

College Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
47

Year	Semester	Actual Credits
Year 1	Fall 1	20

Requirement Select

- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select

- CEG111 - Introduction to GIS and GNSS
- **AND** CEG115 - Introduction to Tech & Sustainability

Minimum Grade	C
Area	Major
Actual Credits	11

Requirement Select

- EGR125 - Applications Software for Technology
- **AND** EGR150 - Introduction to Engineering

Minimum Grade	-
Area	-
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring 1	15

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- DFT151 - CAD I
- **AND** EGR250 - Statics/Strength of Mater
- **AND** SRV110 - Surveying I

Minimum Grade	C
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select

- CEG211 - Hydrology & Erosion Control
- **AND** SRV111 - Surveying II

Minimum Grade	C
Area	Major
Actual Credits	7

Requirement Select

- MAT172 - Precalculus Trigonometry
- **AND** WBL111 - Work-Based Learning I

Minimum Grade	C
Area	Elective
Actual Credits	5

Total General Education Credits	Total Major Credits
8	30
Total Minor Credits	**Total Elective Credits**
0	5

D40140P - Civil Engineering Technology - CCP-Diploma

Overview

Program Title
Civil Engineering Technology - CCP-Diploma

Program Code
D40140P

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
38

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- CEG111 - Introduction to GIS and GNSS (4 cr)
- CEG115 - Introduction to Tech & Sustainability (3 cr)
- CEG211 - Hydrology & Erosion Control (3 cr)
- DFT151 - CAD I (3 cr)
- SRV110 - Surveying I (4 cr)

Concentration/Pathway Hours

Program Major
Type
Completion Requirement

Program Major

Complete ALL of the following Courses:
- EGR250 - Statics/Strength of Mater (5 cr)
- SRV111 - Surveying II (4 cr)

Other Major Hours - Required

Other Major Hours- Required
Type
Completion Requirement

Complete ALL of the following Courses:
- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)

Other Required Courses

ACA
Type
Completion Requirement

College Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
42

Year	Semester	Actual Credits
Year 1	Fall 1	20

Requirement Select
- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select

- CEG111 - Introduction to GIS and GNSS
- **AND** CEG115 - Introduction to Tech & Sustainability

Minimum Grade	C
Area	Major
Actual Credits	11

Requirement Select

- EGR125 - Applications Software for Technology
- **AND** EGR150 - Introduction to Engineering

Minimum Grade	-
Area	-
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring 1	15

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- DFT151 - CAD I
- **AND** EGR250 - Statics/Strength of Mater
- **AND** SRV110 - Surveying I

Minimum Grade	C
Area	Major
Actual Credits	12

Year	Semester	Actual Credits
Year 1	Summer	7

Requirement Select

- CEG211 - Hydrology & Erosion Control
- **AND** SRV111 - Surveying II

Minimum Grade	C
Area	Major
Actual Credits	7

Total General Education Credits	Total Major Credits
8	30
Total Minor Credits	**Total Elective Credits**
0	0

D40200 - Electronics Engineering Technology – Diploma

Overview

Program Title
Electronics Engineering Technology – Diploma

Program Code
D40200

Degree Designation
Diploma

Department
Engineering Programs

Minimum Required Credit Hours
38

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.
The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, EGR, ELC, ELN, ISC, and MAT.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English and Mathematics

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Electronics

Complete ALL of the following Courses:

- ELC131 - Circuit Analysis I (4 cr)
- ELN131 - Analog Electronics I (4 cr)
- ELN133 - Digital Electronics (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Complete ALL of the following Courses:
- EGR125 - Applications Software for Technology (2 cr)
- ELC117 - Motors and Controls (4 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC228 - Programmable Logic Controllers Applications (4 cr)
- ISC112 - Industrial Safety (2 cr)
- ISC132 - Manufacturing Quality Control (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
38

Year	Semester	Actual Credits
Year 1	Fall	18

Requirement Select
- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Requirement Select
- ELC128 - Intro to PLC
- **AND** ELC131 - Circuit Analysis I
- **AND** ELN133 - Digital Electronics
- **AND** ISC112 - Industrial Safety

Minimum Grade	C
Area	Major
Actual Credits	13

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select
- EGR125 - Applications Software for Technology
- **AND** ELC117 - Motors and Controls
- **AND** ELC228 - Programmable Logic Controllers Applications
- **AND** ELN131 - Analog Electronics I
- **AND** ISC132 - Manufacturing Quality Control

Minimum Grade	D
Area	Major
Actual Credits	17

Year	Semester	Actual Credits
Year 1	Summer	3

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
8	30
Total Minor Credits	**Total Elective Credits**
0	0

D40320 - Mechanical Engineering Technology - Diploma

Overview

Program Title
Mechanical Engineering Technology - Diploma

Program Code
D40320

Degree Designation
Diploma

Department
Engineering Programs

Minimum Required Credit Hours
36

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ACA, BPR, DFT, EGR, ELC, ISC, MAT, MEC, and PLA.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English and Mathematics

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Modeling

Complete ALL of the following Courses:
- DFT154 - Introduction to Solid Modeling (3 cr)
- DFT170 - Engineering Graphics (3 cr)
- MEC145 - Manufacturing Materials I (3 cr)
- PHY151 - College Physics I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:
- EGR125 - Applications Software for Technology (2 cr)
- EGR150 - Introduction to Engineering (2 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ISC112 - Industrial Safety (2 cr)
- PLA162 - Plastics Manuf Processes (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Manufacturing

Earn at least 2 credits from the following:
- BPR111 - Print Reading (2 cr)
- CHM151 - General Chemistry I (4 cr)
- EGR130 - Engineering Cost Control (3 cr)
- ELC128 - Intro to PLC (3 cr)
- ISC132 - Manufacturing Quality Control (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT271 - Calculus I (4 cr)
- MEC130 - Mechanisms (3 cr)
- MEC155 - Environmentally Benign Manufacturing (3 cr)
- PLA110 - Introduction to Plastics (2 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
36 - 38

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select

- DFT170 - Engineering Graphics
- **AND** EGR150 - Introduction to Engineering
- **AND** ELC131 - Circuit Analysis I

Minimum Grade C
Area Major
Actual Credits 9

Requirement Select

- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade C
Area General Education
Actual Credits 5

Year	Semester	Actual Credits
Year 1	Spring	16

Requirement Select

- DFT154 - Introduction to Solid Modeling
- **AND** EGR125 - Applications Software for Technology
- **AND** ISC112 - Industrial Safety
- **AND** MEC145 - Manufacturing Materials I
- **AND** PLA162 - Plastics Manuf Processes

Minimum Grade C
Area Major
Actual Credits 13

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade C
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	6 - 8

Requirement Select

- PHY151 - College Physics I

Minimum Grade C
Area General Education
Actual Credits 4

Requirement Select

- 2-4 Credits must be selected from the list of Major Course Electives (Milestone)

Minimum Grade C
Area Major
Actual Credits 2 - 4

Total General Education Credits 12
Total Major Credits 24 - 26
Total Minor Credits 0
Total Elective Credits 0

D40350 - Mechatronics Engineering Technology - Diploma

Overview

Program Title
Mechatronics Engineering Technology - Diploma

Program Code
D40350

Degree Designation
Diploma

Department
Engineering Programs

Minimum Required Credit Hours
38

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.
The appropriate level math class should be taken during the student's first semester, and a math course should be taken each subsequent semester until all required math courses have been completed. ACA 122 and EGR 150 should be completed in the first semester.

Courses that require a minimum grade of "C": ATR, EGR, ELC, ISC, MAT, and MEC.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English and Mathematics

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:
- ATR112 - Introduction to Automation (3 cr)
- EGR125 - Applications Software for Technology (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ELC213 - Instrumentation (4 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC130 - Mechanisms (3 cr)
- PHY151 - College Physics I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:
- EGR130 - Engineering Cost Control (3 cr)
- EGR150 - Introduction to Engineering (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
38

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select
- EGR150 - Introduction to Engineering
- **AND** ELC128 - Intro to PLC
- **AND** ELC131 - Circuit Analysis I

Minimum Grade C
Area Major
Actual Credits 9

Requirement Select

- ACA122 - College Transfer Success
- **AND** MAT171 - Precalculus Algebra

Minimum Grade	C
Area	General Education
Actual Credits	5

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- ATR112 - Introduction to Automation
- **AND** EGR125 - Applications Software for Technology
- **AND** EGR130 - Engineering Cost Control
- **AND** ELC213 - Instrumentation
- **AND** ISC112 - Industrial Safety
- **AND** MEC130 - Mechanisms

Minimum Grade	C
Area	Major
Actual Credits	17

Year	Semester	Actual Credits
Year 1	Summer	7

Requirement Select

- ENG111 - Writing and Inquiry
- **AND** PHY151 - College Physics I

Minimum Grade	D
Area	General Education
Actual Credits	7

Total General Education Credits	Total Major Credits
12	26
Total Minor Credits	**Total Elective Credits**
0	0

D40350P - Mechatronics Engineering Tech – CCP - Diploma

Overview

Program Title
Mechatronics Engineering Tech – CCP - Diploma

Program Code
D40350P

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
38

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English and Mathematics

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- MAT171 - Precalculus Algebra (4 cr)

Technical Core

Core Courses
Type
Completion Requirement

Tech Software

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation (3 cr)
- EGR125 - Applications Software for Technology (2 cr)
- ELC128 - Intro to PLC (3 cr)
- ELC131 - Circuit Analysis I (4 cr)
- ELC213 - Instrumentation (4 cr)
- ISC112 - Industrial Safety (2 cr)
- MEC130 - Mechanisms (3 cr)
- PHY151 - College Physics I (4 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Engineering

Complete ALL of the following Courses:

- EGR150 - Introduction to Engineering (2 cr)
- ISC132 - Manufacturing Quality Control (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Transfer Success

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Requirement Select

- ISC132 - Manufacturing Quality Control
- **AND** MAT171 - Precalculus Algebra
- **AND** MEC130 - Mechanisms
- **AND** PHY151 - College Physics I

Minimum Grade	-
Area	Major
Actual Credits	14

Total General Education Credits	Total Major Credits
11	27
Total Minor Credits	**Total Elective Credits**
0	0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
38

Year	Semester	Actual Credits
Year 1	Fall	11

Requirement Select

- ACA122 - College Transfer Success
- **AND** ATR112 - Introduction to Automation
- **AND** EGR125 - Applications Software for Technology
- **AND** EGR150 - Introduction to Engineering
- **AND** ELC128 - Intro to PLC

Minimum Grade	D
Area	General Education
Actual Credits	11

Year	Semester	Actual Credits
Year 1	Spring	13

Requirement Select

- ELC131 - Circuit Analysis I
- **AND** ELC213 - Instrumentation
- **AND** ENG111 - Writing and Inquiry
- **AND** ISC112 - Industrial Safety

Minimum Grade	-
Area	Major
Actual Credits	13

Year	Semester	Actual Credits
Year 2	Fall	14

D45340 - Emergency Medical Science - Diploma

Overview

Program Title
Emergency Medical Science - Diploma

Program Code
D45340

Degree Designation
Diploma

Department
Public Safety Training Programs

Minimum Required Credit Hours
57

Description

Program Description
The Emergency Medical Science curriculum provides individuals with the knowledge, skills and attributes to
provide advanced emergency medical care as a paramedic for critical and emergent patients who access the
emergency medical system and prepares graduates to enter the workforce.
Students will gain complex knowledge, competency, and experience while employing evidence based
practice under medical oversight, and serve as a link from the scene into the healthcare system.
Graduates of this program may be eligible to take state and/or national certification examinations.
Employment opportunities include providers of emergency medical services, fire departments, rescue
agencies, hospital specialty areas, industry, educational and government agencies

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Enroll in the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete ANY of the following Courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core

Complete ALL of the following Courses:
- EMS110 - EMT (9 cr)
- EMS122 - EMS Clinical Practicum I (1 cr)
- EMS130 - Pharmacology (4 cr)
- EMS131 - Advanced Airway Management (2 cr)
- EMS160 - Cardiology I (3 cr)
- EMS220 - Cardiology II (3 cr)
- EMS221 - EMS Clinical Practicum II (2 cr)
- EMS231 - EMS Clinical Practicum III (3 cr)
- EMS240 - Patients with Special Challenges (2 cr)
- EMS241 - EMS Clinical Practicum IV (4 cr)
- EMS250 - Medical Emergencies (4 cr)
- EMS260 - Trauma Emergencies (2 cr)
- EMS270 - Life Span Emergencies (4 cr)
- EMS285 - EMS Capstone (2 cr)
- BIO163 - Basic Anatomy & Physiology (5 cr)

Other Required Courses

Other Required
Type
Completion Requirement

ACA Requirement

Complete ANY of the following Courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
57 - 58

Year	Semester	Actual Credits
Year 1	Fall	12 - 13

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade	-
Area	-
Actual Credits	3

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	C
Area	General Education
Actual Credits	3 - 4

Requirement Select

- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade	-
Area	-
Actual Credits	1

Requirement Select

- BIO163 - Basic Anatomy & Physiology

Minimum Grade	-
Area	-
Actual Credits	5

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- EMS110 - EMT
- **AND** EMS122 - EMS Clinical Practicum I
- **AND** EMS130 - Pharmacology
- **AND** EMS160 - Cardiology I

Minimum Grade	-
Area	-
Actual Credits	17

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- EMS131 - Advanced Airway Management
- **AND** EMS220 - Cardiology II
- **AND** EMS221 - EMS Clinical Practicum II
- **AND** EMS240 - Patients with Special Challenges

Minimum Grade	-
Area	-
Actual Credits	9

Year	Semester	Actual Credits
Year 2	Fall 1	13

Requirement Select

- EMS231 - EMS Clinical Practicum III
- **AND** EMS250 - Medical Emergencies
- **AND** EMS260 - Trauma Emergencies
- **AND** EMS270 - Life Span Emergencies

Minimum Grade	-
Area	-
Actual Credits	13

Year	Semester	Actual Credits
Year 2	Fall 2	4

Requirement Select

- EMS241 - EMS Clinical Practicum IV

Minimum Grade	-
Area	-
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Fall	2

Requirement Select

- EMS285 - EMS Capstone

Minimum Grade	-
Area	-
Actual Credits	2

Total General Education Credits	Total Major Credits
3 - 4	0
Total Minor Credits	**Total Elective Credits**
0	0

D45660 - Practical Nurse

Overview

Program Title
Practical Nurse

Program Code
D45660

Degree Designation
Diploma

Department
Healthcare Programs

Description

Program Description
The Practical Nurse diploma program is designed to provide students with the knowledge and skills required to become a Licensed Practical Nurse (LPN). The program is typically completed over the course of 12 months and combines classroom lectures with hands-on lab and clinical experiences. Students will learn about human anatomy and physiology, pharmacology, nursing ethics, communication, and healthcare procedures.

Throughout the program, students will participate in a variety of clinical experiences in different healthcare settings, such as hospitals, skilled nursing facilities and clinics. These experiences provide students with the opportunity to apply their knowledge and skills in a real-world setting, under the supervision of experienced nursing professionals. Students will also learn about the role of the LPN in the healthcare system and how to work collaboratively with other healthcare professionals to provide client centered care.

Upon completion of the program, graduates will be eligible to take the National Council Licensure Examination (NCLEX-PN) to become a licensed practical nurse. LPNs play a vital role in the healthcare system, providing direct care, administering medication, and assisting with medical procedures. The Practical Nurse diploma program prepares students for a rewarding career in the healthcare industry, with many opportunities for growth and advancement.

There are special admission procedures for the Practical Nursing diploma program including, but not limited to, completing a high school or college level biology course with a grade of 'C' or better, and verification of listing on the North Carolina Nurse Aide Registry. Applicants must also complete the current ATI Test of Essential Academic Skills (TEAS) exam with a composite score of 59 or higher. Applications are accepted in the Fall semester and the newly admitted cohort will begin courses in the Spring semester each academic year.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information. A course fee is required for all NUR prefix courses.

Program Learning Outcomes (PLO's)

PLO Short Name Client Care	Provide safe, client-centered care to diverse populations across the lifespan, engaging in the nursing process and incorporating evidence-based practice, critical thinking, and therapeutic communication.
PLO Short Name Professionalism	Demonstrate professional behaviors, values, and ethics, including personal responsibility, accountability, respect, and collaboration, in accordance with regulatory standards and organizational policies.
PLO Short Name Clinical competence	Possess the knowledge, skills, and judgment necessary to perform nursing interventions, including medication administration, wound care, infection prevention and control, and basic life support, within legal and ethical boundaries.
PLO Short Name Health Promotion	Promote health and prevent illness through evaluating the concepts of the holistic individual and client response by reinforcing and/or implementing the teaching plan developed by the registered nurse (RN), counseling, and advocacy, utilizing community resources and cultural sensitivity to address the needs of individuals and groups.
PLO Short Name Life-long learning	Engage in ongoing personal and professional development, seeking out opportunities to enhance their knowledge, skills, and attitudes, and adapting to changes in healthcare delivery and technology.

Program Requirements

Simple Requisites

Other Major Hours - Electives List

General Education
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- PSY150 - General Psychology (3 cr)
- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)
- ACA122 - College Transfer Success (1 cr)
- NUR101 - Practical Nursing I (11 cr)
- NUR102 - Practical Nursing II (10 cr)
- NUR103 - Practical Nursing III (9 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
15 - 21

Year	Semester	Actual Credits
Year 1	Spring 1	8

Requirement Select

- ACA122 - College Transfer Success
  OR
- ENG111 - Writing and Inquiry
  OR
- BIO168 - Anatomy and Physiology I
  OR
- NUR101 - Practical Nursing I

Minimum Grade	C
Area	General Education
Actual Credits	8

Requirement Select
-

Minimum Grade	-
Area	-
Actual Credits	-

Year	Semester	Actual Credits
Year 1	Summer	4 - 10

Requirement Select

- BIO169 - Anatomy and Physiology II
  OR
- NUR102 - Practical Nursing II

Minimum Grade	C
Area	General Education
Actual Credits	4 - 10

Year	Semester	Actual Credits
Year 2	Fall 1	3

Requirement Select

- PSY150 - General Psychology

Minimum Grade	C
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
15 - 21	0
Total Minor Credits	**Total Elective Credits**
0	0

D50210 - Computer-Integrated Machining - Diploma

Overview

Program Title
Computer-Integrated Machining - Diploma

Program Code
D50210

Degree Designation
Diploma

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
38

Description

Program Description
This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

ACA 122 and MAT 110 should be completed in the first semester with a grade of "C" or better.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English and Mathematics

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Machining

Complete ALL of the following Courses:
- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC122 - CNC Turning (2 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major hours- Required

Complete ALL of the following Courses:
- BPR121 - Blueprint Reading-Mech (2 cr)
- ISC112 - Industrial Safety (2 cr)
- MAC113 - Machining Technology III (6 cr)
- MAC114 - Introduction to Metrology (2 cr)
- MAC124 - CNC Milling (2 cr)
- MAC151 - Machining Calculations (2 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WLD112 - Basic Welding Processes (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
42

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- BPR111 - Print Reading
- **AND** ISC112 - Industrial Safety
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC141 - Machining Applications I
- **AND** MAC141 - Machining Applications I
- **AND** MAT110 - Math Measurement & Literacy
- **AND** ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	16

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- BPR121 - Blueprint Reading-Mech
- **AND** MAC112 - Machining Technology II
- **AND** MAC122 - CNC Turning
- **AND** MAC124 - CNC Milling
- **AND** MAC151 - Machining Calculations

Minimum Grade	D
Area	Major
Actual Credits	14

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- MAC113 - Machining Technology III
- **AND** WBL111 - Work-Based Learning I
- **AND** WLD112 - Basic Welding Processes

Minimum Grade	D
Area	Major
Actual Credits	9

Total General Education Credits	Total Major Credits
19	23
Total Minor Credits	**Total Elective Credits**
0	0

D50210P - Computer-Integrated Machining – CCP Diploma

Overview

Program Title
Computer-Integrated Machining – CCP Diploma

Program Code
D50210P

Degree Designation
High School Program - CCP

Department
Computer Integrated Machining Programs

Minimum Required Credit Hours
38

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English and Mathematics

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Core Courses
Type
Completion Requirement

Machining

Complete ALL of the following Courses:

- BPR111 - Print Reading (2 cr)
- MAC112 - Machining Technology II (6 cr)
- MAC121 - Introduction to CNC (2 cr)
- MAC122 - CNC Turning (2 cr)
- MAC124 - CNC Milling (2 cr)
- MAC141 - Machining Applications I (4 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- BPR121 - Blueprint Reading-Mech (2 cr)
- ISC112 - Industrial Safety (2 cr)
- MAC151 - Machining Calculations (2 cr)
- WBL111 - Work-Based Learning I (1 cr)
- MAC114 - Introduction to Metrology (2 cr)
- WLD112 - Basic Welding Processes (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

College Transfer Success

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
42

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- BPR111 - Print Reading
- **AND** ISC112 - Industrial Safety
- **AND** MAC114 - Introduction to Metrology
- **AND** MAC121 - Introduction to CNC
- **AND** MAC141 - Machining Applications I
- **AND** MAT110 - Math Measurement & Literacy
- **AND** ACA122 - College Transfer Success

Minimum Grade -
Area -
Actual Credits 16

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- BPR121 - Blueprint Reading-Mech
- **AND** MAC112 - Machining Technology II
- **AND** MAC122 - CNC Turning
- **AND** MAC124 - CNC Milling
- **AND** MAC151 - Machining Calculations

Minimum Grade -
Area -
Actual Credits 14

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade -
Area -
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select

- MAC113 - Machining Technology III
- **AND** WBL111 - Work-Based Learning I
- **AND** WLD112 - Basic Welding Processes

Minimum Grade -
Area -
Actual Credits 9

Total General Education Credits 0
Total Major Credits 0
Total Minor Credits 0
Total Elective Credits 0

D50420 - Welding Technology - Diploma

Overview

Program Title
Welding Technology - Diploma

Program Code
D50420

Degree Designation
Diploma

Department
Welding Programs

Minimum Required Credit Hours
38

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English and Mathematics

Complete ALL of the following Courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Welding

Complete ALL of the following Courses:
- WLD110 - Cutting Processes (2 cr)
- WLD115 - SMAW (Stick) Plate (5 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD131 - GTAW (TIG) Plate (4 cr)
- WLD141 - Symbols & Specifications (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Welding

Complete ALL of the following Courses:
- MAC118 - Machine Shop Basic (2 cr)
- WLD116 - SMAW (stick) Plate/Pipe (4 cr)
- WLD117 - Industrial SMAW (3 cr)
- WLD143 - Welding Metallurgy (2 cr)
- WLD212 - Inert Gas Welding (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
40

Year	Semester	Actual Credits
Year 1	Fall	18

Requirement Select
- MAC141 - Machining Applications I
- **AND** WLD110 - Cutting Processes
- **AND** WLD115 - SMAW (Stick) Plate
- **AND** WLD141 - Symbols & Specifications

Minimum Grade D
Area Major
Actual Credits 14

Requirement Select
- ACA122 - College Transfer Success
- **AND** ENG110 - Workplace Writing Essentials

Minimum Grade -
Area General Education
Actual Credits 4

Year	Semester	Actual Credits
Year 1	Spring	15

Requirement Select

- WLD116 - SMAW (stick) Plate/Pipe
- **AND** WLD121 - GMAW (MIG) FCAW/Plate
- **AND** WLD131 - GTAW (TIG) Plate
- **AND** WLD212 - Inert Gas Welding

Minimum Grade	D
Area	Major
Actual Credits	15

Year	Semester	Actual Credits
Year 1	Summer	7

Requirement Select

- WLD265 - Automated Welding/Cutting

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade	-
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
7	33
Total Minor Credits	**Total Elective Credits**
0	0

D50420P - Welding Technology – CCP Diploma

Overview

Program Title
Welding Technology – CCP Diploma

Program Code
D50420P

Degree Designation
High School Program - CCP

Department
Welding Programs

Minimum Required Credit Hours
39

Program Requirements

Simple Requisites

General Education

General Educaton Courses
Type
Completion Requirement

Math and Literacy

Complete ALL of the following Courses:

- COM120 - Introduction to Interpersonal Communication (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Core Courses
Type
Completion Requirement

Cutting Processes

Complete ALL of the following Courses:

- WLD110 - Cutting Processes (2 cr)
- WLD115 - SMAW (Stick) Plate (5 cr)
- WLD121 - GMAW (MIG) FCAW/Plate (4 cr)
- WLD131 - GTAW (TIG) Plate (4 cr)
- WLD141 - Symbols & Specifications (3 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Welding Processes

Complete ALL of the following Courses:

- WLD112 - Basic Welding Processes (2 cr)
- WLD116 - SMAW (stick) Plate/Pipe (4 cr)
- WLD151 - Fabrication I (4 cr)
- WLD265 - Automated Welding/Cutting (4 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

College Transfer Success

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
39

Year	Semester	Actual Credits
Year 1	-	39

Requirement Select

- ACA122 - College Transfer Success
  OR
- COM120 - Introduction to Interpersonal Communication
  OR
- MAT110 - Math Measurement & Literacy
  OR
- WLD110 - Cutting Processes
  OR
- WLD112 - Basic Welding Processes
  OR
- WLD115 - SMAW (Stick) Plate
  OR
- WLD116 - SMAW (stick) Plate/Pipe
  OR
- WLD121 - GMAW (MIG) FCAW/Plate
  OR
- WLD131 - GTAW (TIG) Plate
  OR
- WLD141 - Symbols & Specifications
  OR
- WLD151 - Fabrication I
  OR
- WLD265 - Automated Welding/Cutting

Minimum Grade	D
Area	General Education
Actual Credits	39

Total General Education Credits	Total Major Credits
39	0
Total Minor Credits	**Total Elective Credits**
0	0

D55140 - Cosmetology - Diploma

Overview

Program Title
Cosmetology - Diploma

Program Code
D55140

Degree Designation
Diploma

Department
Cosmetology Programs

Minimum Required Credit Hours
48

Description

Program Description
The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment that enables students to develop manipulative skills. Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and as skin/nail specialists, platform artists, and related businesses.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Learning Outcomes (PLO's)

PLO Short Name Foundational Knowledge	Explain and discuss the foundational knowledge obtained in the theoretical classroom on the subjects within our scope of practice that influence cosmetology and esthetics consultation and execution of services.

PLO Short Name Foundational Technical Skills	Develop correct foundational technical skills that are within the designated scope of practice for all Cosmetology services.

PLO Short Name Execute Proper Precautions	Execute proper Universal precautions (sanitation, disinfection and Proper Blood exposure) for the safety of each client they serve as well as themselves as the operator.

PLO Short Name Professional Consultations	Conduct professional consultations with clients to assess their specific cosmetology needs.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Communications

Complete ALL of the following Courses:

- COM120 - Introduction to Interpersonal Communication (3 cr)
- ENG110 - Workplace Writing Essentials (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I (4 cr)
- COS112 - Salon I (8 cr)
- COS113 - Cosmetology Concepts II (4 cr)
- COS114 - Salon II (8 cr)
- COS115 - Cosmetology Concepts III (4 cr)
- COS116 - Salon III (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Concentration Pathway Courses

Complete ALL of the following Courses:

- COS118 - Salon IV (7 cr)
- COS240 - Contemporary Design (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
49

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select

- COS111 - Cosmetology Concepts I
- **AND** COS112 - Salon I

Minimum Grade	D
Area	General Education
Actual Credits	13

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	-
Area	-
Actual Credits	1

Year	Semester	Actual Credits
Year 1	Spring	15

Requirement Select

- COS113 - Cosmetology Concepts II
- **AND** COS114 - Salon II
- **AND** ENG110 - Workplace Writing Essentials

Minimum Grade	D
Area	General Education
Actual Credits	15

Year	Semester	Actual Credits
Year 1	Summer	8

Requirement Select

- COM120 - Introduction to Interpersonal Communication
- **AND** COS118 - Salon IV
- **AND** COS240 - Contemporary Design

Minimum Grade	D
Area	General Education
Actual Credits	8

Year	Semester	Actual Credits
Year 2	Fall	12

Requirement Select

- COS115 - Cosmetology Concepts III
- **AND** COS116 - Salon III

Minimum Grade	D
Area	General Education
Actual Credits	12

Total General Education Credits	Total Major Credits
48	0
Total Minor Credits	**Total Elective Credits**
0	0

Degree Map Name
Day students that begin in Spring will follow this course sequence:
Total Degree Map Credits
49

Year	Semester	Actual Credits
Year 1	Spring	14

Requirement Select

- COS111 - Cosmetology Concepts I
- **AND** COS112 - Salon I

Minimum Grade	D
Area	General Education
Actual Credits	13

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	-
Area	-
Actual Credits	1

Year	Semester	Actual Credits
Year 1	Summer	11

Requirement Select

- COS113 - Cosmetology Concepts II
- **AND** COS114A - COS 114A Salon IIA
- **AND** ENG110 - Workplace Writing Essentials

Minimum Grade	D
Area	General Education
Actual Credits	11

Year	Semester	Actual Credits
Year 1	Fall	11

Requirement Select

- COM120 - Introduction to Interpersonal Communication
- **AND** COS114B - COS 114B Salon IIA
- **AND** COS115 - Cosmetology Concepts III

Minimum Grade	D
Area	General Education
Actual Credits	11

Year	Semester	Actual Credits
Year 2	Spring	6

Requirement Select

- COS116 - Salon III
- **AND** COS240 - Contemporary Design

Minimum Grade	D
Area	General Education
Actual Credits	6

Year	Semester	Actual Credits
Year 2	Summer	4

Requirement Select

- COS118A - Salon IVA

Minimum Grade	D
Area	General Education
Actual Credits	4

Year	Semester	Actual Credits
Year 2	Fall	3

Requirement Select

- COS118B - Salon IVB

Minimum Grade	D
Area	General Education
Actual Credits	3

Total General Education Credits	Total Major Credits
48	0
Total Minor Credits	**Total Elective Credits**
0	0

D55180 - Criminal Justice Technology - Diploma

Overview

Program Title
Criminal Justice Technology - Diploma

Program Code
D55180

Degree Designation
Diploma

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
38

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete at least 1 of the following courses:
- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- COM231 - Public Speaking (3 cr)

Take 1 course from the AAS list

Complete ALL of the following Course Sets:
- Humanities (AAS)

Social/Behavioral Science

Complete at least 1 of the following courses:
- POL120 - American Government (3 cr)
- POL130 - State & Local Government (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Criminal Justice

Complete ALL of the following Courses:
- CJC111 - Introduction to Criminal Justice (3 cr)
- CJC112 - Criminology (3 cr)
- CJC113 - Juvenile Justice (3 cr)
- CJC131 - Criminal Law (3 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Law Enforcement

Complete ALL of the following Courses:
- CJC121 - Law Enforcement Operations (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- CJC141 - Corrections (3 cr)

Other Required Courses

Success Skills
Type
Completion Requirement

Success Skills

Complete ALL of the following Courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits

46 - 47

Year	Semester	Actual Credits
Year 1	Fall 1	7

Requirement Select

- ACA122 - College Transfer Success
- **AND** CJC111 - Introduction to Criminal Justice
- **AND** ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	7

Year	Semester	Actual Credits
Year 1	Fall 2	9

Requirement Select

- CJC113 - Juvenile Justice

Minimum Grade	D
Area	General Education
Actual Credits	6

Requirement Select

- POL120 - American Government
  OR
- POL130 - State & Local Government

Minimum Grade	-
Area	-
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring 1	9

Requirement Select

- CJC121 - Law Enforcement Operations
- **AND** CJC131 - Criminal Law
- **AND** CJC132 - Court Procedure & Evidence

Minimum Grade	D
Area	General Education
Actual Credits	9

Year	Semester	Actual Credits
Year 1	Spring 2	6

Requirement Select

- CJC112 - Criminology
- **AND** CJC141 - Corrections

Minimum Grade	D
Area	General Education
Actual Credits	6

Year	Semester	Actual Credits
Year 1	Summer	15 - 16

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting
  OR
- COM231 - Public Speaking

Minimum Grade	D
Area	General Education
Actual Credits	9

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade	-
Area	-
Actual Credits	3 - 4

Requirement Select

- Humanities (AAS)

Minimum Grade	-
Area	-
Actual Credits	3

Total General Education Credits	Total Major Credits
37	0
Total Minor Credits	**Total Elective Credits**
0	0

D55180P - Criminal Justice CCP Diploma

Overview

Program Title
Criminal Justice CCP Diploma

Program Code
D55180P

Degree Designation
High School Program - CCP

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
38

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- POL120 - American Government (3 cr)
- COM231 - Public Speaking (3 cr)

Technical Core

Core Courses
Type
Completion Requirement

Criminal Justice

Complete ALL of the following Courses:

- CJC111 - Introduction to Criminal Justice (3 cr)
- CJC112 - Criminology (3 cr)
- CJC113 - Juvenile Justice (3 cr)
- CJC131 - Criminal Law (3 cr)
- CJC221 - Investigative Principles (4 cr)
- CJC231 - Constitutional Law (3 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Law Enforcement

Complete ALL of the following Courses:

- CJC121 - Law Enforcement Operations (3 cr)
- CJC132 - Court Procedure & Evidence (3 cr)
- CJC141 - Corrections (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

College Transfer Success

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
60

Year	Semester	Actual Credits
Year 1	Fall	38

Requirement Select

- ACA122 - College Transfer Success
- **AND** CJC111 - Introduction to Criminal Justice
- **AND** CJC112 - Criminology
- **AND** CJC113 - Juvenile Justice
- **AND** CJC121 - Law Enforcement Operations
- **AND** CJC131 - Criminal Law

Minimum Grade C
Area General Education
Actual Credits 38

Year	Semester	Actual Credits
Year 1	Spring	22

Requirement Select

- CJC132 - Court Procedure & Evidence
- **AND** CJC141 - Corrections
- **AND** CJC221 - Investigative Principles
- **AND** CJC231 - Constitutional Law

Minimum Grade -
Area -
Actual Credits 13

Requirement Select

- ENG111 - Writing and Inquiry
- **AND** POL120 - American Government
- **AND** COM231 - Public Speaking

Minimum Grade	-
Area	-
Actual Credits	9

Total General Education Credits	Total Major Credits
38	0
Total Minor Credits	**Total Elective Credits**
0	0

D55240 - Fire Protection Technology - Diploma

Overview

Program Title
Fire Protection Technology - Diploma

Program Code
D55240

Degree Designation
Diploma

Department
Public Safety Training Programs

Fully online option available?
Yes

Minimum Required Credit Hours
46

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. CE to CU Credit may be awarded for previous fire and rescue training. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Communication 1

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Math

Complete ANY of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Communication 2

Complete ANY of the following Courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Social Behavioral Science Elective

Complete ANY of the following Courses:

- POL120 - American Government (3 cr)

- POL130 - State & Local Government (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Fire Protection

Complete ALL of the following Courses:

- FIP120 - Introduction to Fire Protection (3 cr)
- FIP124 - Fire Prevention & Public Education (3 cr)
- FIP132 - Building Construction (3 cr)
- FIP152 - Fire Protection Law (3 cr)
- FIP220 - Fire Fighting Strategies (3 cr)
- FIP228 - Local Government Finance (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Major Requirements

Complete ALL of the following Courses:

- COM231 - Public Speaking (3 cr)
- FIP128 - Detection & Investigation (3 cr)
- FIP146 - Fire Protection Systems (4 cr)
- FIP230 - Chemistry of Hazardous Materials I (5 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
45 - 46

Year	Semester	Actual Credits
Year 1	Fall	13

Requirement Select

- FIP120 - Introduction to Fire Protection
- **AND** FIP124 - Fire Prevention & Public Education
- **AND** FIP132 - Building Construction

Minimum Grade C
Area Major
Actual Credits 9

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade -
Area General Education
Actual Credits 3

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade -
Area General Education
Actual Credits 1

Year	Semester	Actual Credits
Year 1	Spring	18 - 19

Requirement Select

- FIP146 - Fire Protection Systems
- **AND** FIP152 - Fire Protection Law
- **AND** FIP220 - Fire Fighting Strategies
- **AND** FIP228 - Local Government Finance

Minimum Grade C
Area Major
Actual Credits 12

Requirement Select

- MAT110 - Math Measurement & Literacy
  OR
- MAT143 - Quantitative Literacy
  OR
- MAT152 - Statistical Methods I

Minimum Grade C
Area General Education
Actual Credits 3 - 4

Requirement Select

- POL120 - American Government
  OR
- POL130 - State & Local Government

Minimum Grade	-
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- ENG112 - Writing & Research in the Disciplines
  OR
- ENG114 - Professional Research & Reporting

Minimum Grade	C
Area	General Education
Actual Credits	3

Requirement Select

- COM231 - Public Speaking

Minimum Grade	C
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 2	Fall	8

Requirement Select

- FIP128 - Detection & Investigation
- **AND** FIP230 - Chemistry of Hazardous Materials I

Minimum Grade	C
Area	Major
Actual Credits	8

Total General Education Credits	Total Major Credits
13 - 14	32
Total Minor Credits	**Total Elective Credits**
0	0

D55240P - Fire Protection Technology – CCP Diploma

Overview

Program Title	Program Code
Fire Protection Technology – CCP Diploma	D55240P
Degree Designation	**Department**
High School Program - CCP	Public Safety Training Programs
Fully online option available?	**Minimum Required Credit Hours**
Yes	46

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Gen Ed

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- POL130 - State & Local Government (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Core Courses
Type
Completion Requirement

Fire Protection

Complete ALL of the following Courses:

- FIP120 - Introduction to Fire Protection (3 cr)
- FIP124 - Fire Prevention & Public Education (3 cr)
- FIP132 - Building Construction (3 cr)
- FIP152 - Fire Protection Law (3 cr)
- FIP220 - Fire Fighting Strategies (3 cr)
- FIP228 - Local Government Finance (3 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Other Major Hours

Complete ALL of the following Courses:

- FIP146 - Fire Protection Systems (4 cr)
- FIP230 - Chemistry of Hazardous Materials I (5 cr)
- FIP128 - Detection & Investigation (3 cr)
- COM231 - Public Speaking (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

College Transfer Success

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
46

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select

- FIP120 - Introduction to Fire Protection
- **AND** FIP124 - Fire Prevention & Public Education
- **AND** FIP132 - Building Construction

Minimum Grade C
Area Major
Actual Credits 9

Requirement Select

- ACA122 - College Transfer Success

Minimum Grade C
Area General Education
Actual Credits 1

Requirement Select

- ENG111 - Writing and Inquiry

Minimum Grade -
Area General Education
Actual Credits 3

Requirement Select

- POL130 - State & Local Government

Minimum Grade -
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	16

Requirement Select

- FIP146 - Fire Protection Systems
- **AND** FIP152 - Fire Protection Law
- **AND** FIP220 - Fire Fighting Strategies
- **AND** FIP228 - Local Government Finance

Minimum Grade C
Area Major
Actual Credits 13

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade C
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Summer	6

Requirement Select

- COM231 - Public Speaking

Minimum Grade C
Area Major
Actual Credits 3

Requirement Select

- ENG114 - Professional Research & Reporting

Minimum Grade C
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 2	Fall	8

Requirement Select

- FIP128 - Detection & Investigation
- **AND** FIP230 - Chemistry of Hazardous Materials I

Minimum Grade C
Area Major
Actual Credits 8

Total General Education Credits Total Major Credits

13	33
Total Minor Credits	**Total Elective Credits**
0	0

D55300 - Interpreter Education - Diploma

Overview

Program Title
Interpreter Education - Diploma

Program Code
D55300

Degree Designation
Diploma

Department
Interpreter Education Programs

Minimum Required Credit Hours
43

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

General Education Courses

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete at least 1 of the following courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)

Technical Core

Technical Core
Type
Completion Requirement

Interpreter Education

Complete ALL of the following Courses:

- ASL111 - Elementary ASL I (3 cr)
- ASL112 - Elementary ASL II (3 cr)
- ASL211 - Intermediate ASL I (3 cr)
- ASL250 - Linguistics of American Sign

Language (3 cr)
- IPP111 - Introduction to Interpretation (3 cr)
- IPP112 - Comparative Cultures (3 cr)
- IPP152 - ASL/English Translation (3 cr)
- IPP161 - Consecutive Interpreting (5 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Interpreter Education

Complete ALL of the following Courses:
- ASL181 - ASL Lab 1 (1 cr)
- ASL182 - ASL Lab 2 (1 cr)
- ASL212 - Intermediate ASL II (3 cr)
- ASL281 - ASL Lab 3 (1 cr)
- ASL282 - ASL Lab 4 (1 cr)
- IPP130 - Analytical Skills for Interpreting (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
43 - 44

Year	Semester	Actual Credits
Year 1	Fall	18

Requirement Select
- ACA122 - College Transfer Success
  OR
- ACA115 - Success & Study Skills

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select
- ASL111 - Elementary ASL I
- **AND** ASL112 - Elementary ASL II
- **AND** ASL181 - ASL Lab 1
- **AND** ASL182 - ASL Lab 2
- **AND** IPP111 - Introduction to Interpretation
- **AND** IPP112 - Comparative Cultures

Minimum Grade D
Area Major
Actual Credits 14

Requirement Select
- ENG111 - Writing and Inquiry

Minimum Grade -
Area General Education
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	14

Requirement Select
- ASL211 - Intermediate ASL I
- **AND** ASL212 - Intermediate ASL II
- **AND** ASL281 - ASL Lab 3
- **AND** ASL282 - ASL Lab 4
- **AND** IPP130 - Analytical Skills for Interpreting
- **AND** IPP152 - ASL/English Translation

Minimum Grade D
Area Major
Actual Credits 14

Year	Semester	Actual Credits
Year 1	Summer	11 - 12

Requirement Select
- ASL250 - Linguistics of American Sign Language
- **AND** IPP161 - Consecutive Interpreting

Minimum Grade D
Area Major
Actual Credits 8

Requirement Select
- MAT143 - Quantitative Literacy
  OR
- AST152 - General Astronomy II

Minimum Grade D
Area General Education
Actual Credits 3 - 4

Total General Education Credits 7 - 8
Total Major Credits 36
Total Minor Credits
Total Elective Credits

0	0

D60130 - Collision Repair and Refinishing Technology

Overview

Program Title
Collision Repair and Refinishing Technology

Program Code
D60130

Degree Designation
Diploma

Department
Transportation Programs

Minimum Required Credit Hours
37

Description

Program Description
Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Communications

Complete at least 1 of the following courses:

- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Complete ALL of the following Courses:

- AUB111 - Painting & Refinishing I (4 cr)
- AUB112 - Painting & Refinishing II (4 cr)
- AUB121 - Non-Structural Damage I (3 cr)
- TRN120 - Basic Transportation Electricity (5 cr)

- TRN130 - Introduction to Sustainable Transportation (3 cr)
- TRN140 - Transportation Climate Control (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Complete ALL of the following Courses:
- AUB114 - Special Finishes (2 cr)
- AUB122 - Non-Structural Damage II (4 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Complete at least 1 of the following courses:
- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
37

Year	Semester	Actual Credits
Year 1	Fall	16

Requirement Select
- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade D
Area General Education
Actual Credits 1

Requirement Select
- AUB111 - Painting & Refinishing I

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- AUB121 - Non-Structural Damage I

Minimum Grade D
Area Major
Actual Credits 3

Requirement Select
- TRN120 - Basic Transportation Electricity

Minimum Grade D
Area Major
Actual Credits 5

Requirement Select
- TRN130 - Introduction to Sustainable Transportation

Minimum Grade D
Area Major
Actual Credits 3

Year	Semester	Actual Credits
Year 1	Spring	12

Requirement Select
- AUB112 - Painting & Refinishing II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- AUB122 - Non-Structural Damage II

Minimum Grade D
Area Major
Actual Credits 4

Requirement Select
- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade D
Area General Education
Actual Credits 3

Requirement Select
- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	1

Year	Semester	Actual Credits
Year 1	Summer	9

Requirement Select
- AUB114 - Special Finishes

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- MAT110 - Math Measurement & Literacy

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select
- TRN140 - Transportation Climate Control

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select
- TRN140A - Transportation Climate Control Lab

Minimum Grade	D
Area	Major
Actual Credits	2

Total General Education Credits	Total Major Credits
7	30
Total Minor Credits	**Total Elective Credits**
0	0

D60130P - Collision Repair and Refinishing Technology Diploma - CCP

Overview

Program Title
Collision Repair and Refinishing Technology Diploma - CCP

Program Code
D60130P

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
38

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

Complete ALL of the following Courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Complete ALL of the following Courses:
- AUB111 - Painting & Refinishing I (4 cr)
- AUB121 - Non-Structural Damage I (3 cr)
- AUB131 - Structural Damage I (4 cr)
- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN140 - Transportation Climate Control (2 cr)

Other Major Hours - Required

Other Major Courses
Type
Completion Requirement

Complete ALL of the following Courses:
- AUB160 - Body Shop Operations (1 cr)
- AUB162 - Autobody Estimating (2 cr)
- TRN140A - Transportation Climate Control

Lab (2 cr)
- TRN180 - Basic Welding for Transportation (3 cr)
- TRN180A - Basic Welding for Transp Lab (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

D60160 - Automotive Systems Technology

Overview

Program Title
Automotive Systems Technology

Program Code
D60160

Degree Designation
Diploma

Department
Transportation Programs

Minimum Required Credit Hours
41

Description

Program Description
Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Systems Technology program description: The automotive systems program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Topics include instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete at least 1 of the following courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Automotive

Complete ALL of the following Courses:

- AUT141 - Suspension & Steering Systems (3 cr)
- AUT151 - Brake Systems (3 cr)
- AUT181 - Engine Performance 1 (3 cr)
- AUT183 - Engine Performance 2 (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN140 - Transportation Climate Control (2 cr)

Transportation

Complete ANY of the following Courses:

- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN112 - Powertrain Maintenance/Light Repair (4 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Automotive

Complete ALL of the following Courses:

- AUT151A - Brakes Systems Lab (1 cr)
- AUT181A - Engine Performance 1 Lab (1 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)

Other Major Hours - Electives List

Other Major Hours - Electives List
Type
Completion Requirement

Automotive

Earn at least 3 credits from the following:

- ATT125 - Hybrid-Electric Transportation (4 cr)
- AUT141A - Suspension & Steering Lab (1 cr)
- HET134 - Diesel Fuel & Power Systems (3 cr)
- LDD112 - Introduction to Light-Duty Diesel (3 cr)
- LDD116 - Diesel Electric-Drive (4 cr)
- WBL111 - Work-Based Learning I (1 cr)
- WBL121 - Work-Based Learning II (1 cr)
- WBL131 - Work-Based Learning III (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
41 - 42

Year	Semester	Actual Credits
Year 1	Fall	14

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- AUT151 - Brake Systems
- **AND** AUT151A - Brakes Systems Lab

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- TRN120 - Basic Transportation Electricity

Minimum Grade	D
Area	Major
Actual Credits	5

Requirement Select

- TRN111 - Chassis Maintenance/Light Repair
  OR
- TRN112 - Powertrain Maintenance/Light Repair

Minimum Grade	D
Area	Major
Actual Credits	4

Year	Semester	Actual Credits
Year 1	Spring	16 - 17

Requirement Select

- AUT141 - Suspension & Steering Systems
- **AND** TRN130 - Introduction to Sustainable Transportation

Minimum Grade	D
Area	Major
Actual Credits	6

Requirement Select

- AUT181 - Engine Performance 1
- **AND** AUT181A - Engine Performance 1 Lab

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- ATT125 - Hybrid-Electric Transportation
  OR
- AUT141A - Suspension & Steering Lab
  OR
- HET134 - Diesel Fuel & Power Systems
  OR
- LDD112 - Introduction to Light-Duty Diesel
  OR
- WBL111 - Work-Based Learning I
  OR
- WBL121 - Work-Based Learning II
  OR
- WBL131 - Work-Based Learning III
  OR
- LDD116 - Diesel Electric-Drive

Minimum Grade	D
Area	Elective
Actual Credits	3 - 4

Year	Semester	Actual Credits
Year 1	Summer	11

Requirement Select

- AUT183 - Engine Performance 2

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- TRN140 - Transportation Climate Control
- **AND** TRN140A - Transportation Climate Control Lab

Minimum Grade	D
Area	Major
Actual Credits	4

Total General Education Credits	Total Major Credits
7	31
Total Minor Credits	**Total Elective Credits**
0	3 - 4

D60160P - Automotive Systems Technology -CCP

Overview

Program Title
Automotive Systems Technology -CCP

Program Code
D60160P

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
43

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

General Education Courses

Complete ALL of the following Courses:

- ENG110 - Workplace Writing Essentials (3 cr)

General Education Courses

Complete ALL of the following Courses:

- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- AUT141 - Suspension & Steering Systems (3 cr)
- AUT151 - Brake Systems (3 cr)
- AUT181 - Engine Performance 1 (3 cr)
- TRN111 - Chassis Maintenance/Light Repair (4 cr)
- TRN112 - Powertrain Maintenance/Light Repair (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN140 - Transportation Climate Control (2 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- AUT141A - Suspension & Steering Lab (1 cr)
- AUT151A - Brakes Systems Lab (1 cr)
- AUT181A - Engine Performance 1 Lab (1 cr)
- AUT183 - Engine Performance 2 (4 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

D60430 - Automotive Light Duty Diesel

Overview

Program Title
Automotive Light Duty Diesel

Program Code
D60430

Degree Designation
Diploma

Department
Transportation Programs

Minimum Required Credit Hours
41

Description

Program Description
Mobile Equipment Maintenance and Repair Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen.

Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Light-Duty Diesel program description: The Automotive Light-Duty Diesel program prepares individuals to apply technical knowledge and skills to diagnose, adjust, repair, or overhaul light-duty diesel vehicles under one-ton classification. Topics include instruction in electrical systems, diesel-electric drive, engine performance, engine repair, emission systems, and all types of diesel engines related to the light-duty diesel vehicle. Program includes technicians working primarily with automobile diesel engines.

This curriculum complies with the standard approved by the State Board of Community Colleges.

Students may be required to take developmental courses in Math and/or English as a result of high school GPA or pre-enrollment placement tests. Therefore, the student may need more than the minimum number of semester hours listed for graduation. Consult a program advisor for more information. This program of study qualifies for a prorated amount of federal and/or state financial aid.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Communications

Complete at least 1 of the following courses:
- ENG110 - Workplace Writing Essentials (3 cr)
- ENG111 - Writing and Inquiry (3 cr)

Mathematics

Complete ALL of the following Courses:
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Automotive

Complete ALL of the following Courses:
- HET134 - Diesel Fuel & Power Systems (3 cr)
- LDD112 - Introduction to Light-Duty Diesel (3 cr)
- LDD116 - Diesel Electric-Drive (4 cr)
- LDD181 - LDD Fuel Systems (4 cr)
- LDD183 - Air, Exhaust, Emissions (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)

Other Major Hours - Required

Other Major Hours - Required
Type
Completion Requirement

Transportation

Complete ALL of the following Courses:
- LDD284 - LDD Test and Diagnosis (3 cr)
- TRN110 - Introduction to Transport Technology (2 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)
- WBL111 - Work-Based Learning I (1 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Success Skills

Complete at least 1 of the following courses:

- ACA115 - Success & Study Skills (1 cr)
- ACA122 - College Transfer Success (1 cr)

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
41

Year	Semester	Actual Credits
Year 1	Fall	12

Requirement Select

- ACA115 - Success & Study Skills
  OR
- ACA122 - College Transfer Success

Minimum Grade	D
Area	General Education
Actual Credits	1

Requirement Select

- LDD112 - Introduction to Light-Duty Diesel

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- TRN120 - Basic Transportation Electricity

Minimum Grade	D
Area	Major
Actual Credits	5

Requirement Select

- TRN130 - Introduction to Sustainable Transportation

Minimum Grade	D
Area	Major
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Spring	17

Requirement Select

- ENG110 - Workplace Writing Essentials
  OR
- ENG111 - Writing and Inquiry

Minimum Grade	D
Area	General Education
Actual Credits	3

Requirement Select

- HET134 - Diesel Fuel & Power Systems

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- LDD181 - LDD Fuel Systems

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- LDD183 - Air, Exhaust, Emissions

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- MAT110 - Math Measurement & Literacy

Minimum Grade	D
Area	General Education
Actual Credits	3

Year	Semester	Actual Credits
Year 1	Summer	12

Requirement Select

- LDD116 - Diesel Electric-Drive

Minimum Grade	D
Area	Major
Actual Credits	4

Requirement Select

- LDD284 - LDD Test and Diagnosis

Minimum Grade	D
Area	Major
Actual Credits	3

Requirement Select

- TRN140 - Transportation Climate Control

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select

- TRN140A - Transportation Climate Control Lab

Minimum Grade	D
Area	Major
Actual Credits	2

Requirement Select

- WBL111 - Work-Based Learning I

Minimum Grade	D
Area	Major
Actual Credits	1

Total General Education Credits	**Total Major Credits**
7	34
Total Minor Credits	**Total Elective Credits**
0	0

D60430P - CCP - Automotive Light Duty Diesel

Overview

Program Title
CCP - Automotive Light Duty Diesel

Program Code
D60430P

Degree Designation
High School Program - CCP

Department
Transportation Programs

Minimum Required Credit Hours
41

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

General Education Courses

Complete ALL of the following Courses:

- ENG110 - Workplace Writing Essentials (3 cr)
- MAT110 - Math Measurement & Literacy (3 cr)

Technical Core

Technical Core
Type
Completion Requirement

Technical Core Courses

Complete ALL of the following Courses:

- HET134 - Diesel Fuel & Power Systems (3 cr)
- LDD112 - Introduction to Light-Duty Diesel (3 cr)
- LDD116 - Diesel Electric-Drive (4 cr)
- LDD181 - LDD Fuel Systems (4 cr)
- TRN120 - Basic Transportation Electricity (5 cr)
- TRN130 - Introduction to Sustainable Transportation (3 cr)

Other Major Hours - Required

Other Major Hours Required
Type
Completion Requirement

Other Major Courses

Complete ALL of the following Courses:

- ATT130 - Biofuels for Transportation (3 cr)
- LDD183 - Air, Exhaust, Emissions (4 cr)
- TRN140 - Transportation Climate Control (2 cr)
- TRN140A - Transportation Climate Control Lab (2 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

P1012C - CCP Associate in Arts Transfer Pathway

Overview

Program Title
CCP Associate in Arts Transfer Pathway

Program Code
P1012C

Degree Designation
High School Program - CCP

Department
Transfer Programs

Fully online option available?
Yes

Minimum Required Credit Hours
32

Description

Program Description
This pathway is designed for high school juniors and seniors who wish to begin study toward an Associate in Arts degree and a baccalaureate degree in a non-STEM major.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications & Humanities/Fine Arts

Earn at least 9 credits from the following:

- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Minimum of 2 different subjects

Social /Behavioral Sciences

Earn at least 9 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Minimum of 2 different subjects

Mathematics

Complete at least 1 of the following courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Natural Science

Earn at least 4 credits from the following:

- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Additional Comments:
OPTIONAL GENERAL EDUCATION HOURS (0-8 SHC)

A student may take up to 8 SHC of foreign language courses and accompanying labs, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits **Total Major Credits**
0 0
Total Minor Credits **Total Elective Credits**
0 0

P1012T - Education - College Transfer Pathway Leading to the Associate in Arts in Teacher Preparation - CCP

Overview

Program Title
Education - College Transfer Pathway Leading to the Associate in Arts in Teacher Preparation - CCP

Program Code
P1012T

Degree Designation
High School Program - CCP

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
39

Description

Program Description
The CCP College Transfer Pathway leading to the Associate in Arts in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Arts in Teacher Preparation degree and a baccalaureate degree in teaching in a non-STEM major within K-12 grades.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications

Complete at least 1 of the following courses:
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Literature

Complete at least 1 of the following courses:
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)

History

Complete at least 1 of the following courses:
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)

Social Behavior Sciences

Complete at least 1 of the following courses:
- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)

Natural Sciences

Earn at least 4 credits from the following:
- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)
- GEL111 - Geology (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)

Sociology Requirement

Complete ALL of the following Courses:
- SOC225 - Social Diversity (3 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Other Required Courses in Major

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)
- EDU187 - Teaching and Learning for All (4 cr)
- EDU216 - Foundations of Education (3 cr)

Additional Comments:
Students who have completed Teacher Cadet or Teaching as a Profession courses in high school with a B or better, may substitute that course for EDU 187 Teaching and Learning for All.

OPTIONAL GENERAL EDUCATION HOURS (0-8 SHC)

A student may take up to 8 SHC of foreign language courses and accompanying labs, in a single language, designated as General Education in the CCAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1032C - Associate Nursing Degree - CCP Pathway

Overview

Program Title
Associate Nursing Degree - CCP Pathway

Program Code
P1032C

Degree Designation
High School Program - CCP

Department
Healthcare Programs

Minimum Required Credit Hours
24

Description

Program Description
The Career and College Promise (CCP) ADN Pathway is designed for high school juniors and seniors who wish
to begin their educational studies toward the Associate in Nursing degree and a Baccalaureate degree in
Nursing. The Pathway is based on Block 1 of the Uniform Articulation Agreement between the University of
North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina
Community College Associate Degree Nursing Programs which was approved by the State Board of
Community Colleges and the UNC Board of Governors in February 2015.
A student who completes an Associate in Applied Science (AAS) in Nursing, which includes the courses listed
below, with a GPA of at least 2.0 and a grade of C or better and completes the courses in Blocks 2-3 of the
Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of
Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs
with a GPA of at least 2.0 and a grade of C or better, and who holds a current unrestricted license as a
Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education
requirements as well as nursing program entry requirements. However, because nursing program admissions
are competitive, no student is guaranteed admission to the program of his or her choice.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

1st Communications

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)

2nd Communications

Complete ANY of the following Courses:

- ENG112 - Writing & Research in the Disciplines (3 cr)
- ENG114 - Professional Research & Reporting (3 cr)

Take 3 credits

Humanities/Fine Arts

Complete ANY of the following Courses:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Take 3 credits

Social/Behavioral Sciences

Complete ALL of the following Courses:

- PSY150 - General Psychology (3 cr)
- PSY241 - Developmental Psychology (3 cr)

Take 6 credits

Natural Sciences

Complete ALL of the following Courses:

- BIO168 - Anatomy and Physiology I (4 cr)
- BIO169 - Anatomy and Physiology II (4 cr)

Other Required Courses

ACA Requirement
Type
Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	**Total Elective Credits**
0	0

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0

P1042C - CCP Associate in Science Transfer Pathway

Overview

Program Title
CCP Associate in Science Transfer Pathway

Program Code
P1042C

Degree Designation
High School Program - CCP

Department
Transfer Programs

Fully online option available?
Yes

Minimum Required Credit Hours
35

Description

Program Description
This pathway is designed for high school juniors and seniors who wish to begin study toward an Associate in Arts degree and a baccalaureate degree in a STEM or technical major.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

Composition

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Humanities/Fine Arts

Earn at least 6 credits from the following:

- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

(Select from two different subject areas)

Social/Behavioral Science

Earn at least 6 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

(Select from two different subject areas)

Mathematics

Earn at least 8 credits from the following:

- MAT171 - Precalculus Algebra (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)

Natural Science

Earn at least 8 credits from the following:

- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- BIO112 - General Biology II (4 cr)
- CHM151 - General Chemistry I (4 cr)
- CHM152 - General Chemistry II (4 cr)
- PHY151 - College Physics I (4 cr)
- PHY152 - College Physics II (4 cr)
- PHY251 - General Physics I (4 cr)
- PHY252 - General Physics II (4 cr)

(sequential science classes are encouraged)

Other Required Courses

Other Required Courses
Type
Completion Requirement

ACA

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Additional Comments:
OPTIONAL GENERAL EDUCATION HOURS (0-8 SHC)

A student may take up to 8 SHC of foreign language courses and accompanying labs, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are

not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1042T - Education - College Transfer Pathway Leading to the Associate in Science in Teacher Preparation - CCP

Overview

Program Title
Education - College Transfer Pathway Leading to the Associate in Science in Teacher Preparation - CCP

Program Code
P1042T

Degree Designation
High School Program - CCP

Department
Education Programs

Fully online option available?
Yes

Minimum Required Credit Hours
42

Description

Program Description
The CCP College Transfer Pathway leading to the Associate in Science in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Science in Teacher Preparation degree and a baccalaureate degree in teaching in a STEM major within K-12 grades.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications

Complete at least 1 of the following courses:
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)

Humanities/Fine Arts

Complete at least 1 of the following courses:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)

- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Social Behavior Sciences

Complete at least 1 of the following courses:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

Mathematics

Earn at least 8 credits from the following:

- MAT171 - Precalculus Algebra (4 cr)
- MAT172 - Precalculus Trigonometry (4 cr)
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)

Natural Sciences

Earn at least 8 credits from the following:

- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO111 - General Biology I (4 cr)
- BIO112 - General Biology II (4 cr)
- CHM151 - General Chemistry I (4 cr)
- CHM152 - General Chemistry II (4 cr)
- GEL111 - Geology (4 cr)
- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)
- PHY151 - College Physics I (4 cr)
- PHY152 - College Physics II (4 cr)
- PHY251 - General Physics I (4 cr)
- PHY252 - General Physics II (4 cr)

Science requirements must be 8 credits in the same sequence.

Sociology Requirement

Complete ALL of the following Courses:

- SOC225 - Social Diversity (3 cr)

Other Required Courses

Other Required Courses

Type

Completion Requirement

Other Required Courses in Major

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)
- EDU187 - Teaching and Learning for All (4 cr)
- EDU216 - Foundations of Education (3 cr)

P1052C - CCP Associate in Engineering Transfer Pathway

Overview

Program Title
CCP Associate in Engineering Transfer Pathway

Program Code
P1052C

Degree Designation
High School Program - CCP

Department
Engineering Programs

Minimum Required Credit Hours
34

Description

Program Description
The College Transfer Pathway (CCP) leading to the Associate in Engineering is designed for high school juniors and seniors who wish to begin studying toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major.

To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.

*OPTIONAL GENERAL EDUCATION HOURS (0-8 SHC)
A student may take up to 8 SHC of foreign language courses and accompanying labs, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Communications & Humanities/Fine Arts

Complete at least 3 of the following courses:
- ART111 - Art Appreciation (3 cr)
- COM231 - Public Speaking (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG241 - British Literature I (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

Social/Behavioral Sciences

Complete ALL of the following Courses:
- ECO251 - Principles of Microeconomics (3 cr)

Mathematics

Earn at least 8 credits from the following:
- MAT271 - Calculus I (4 cr)
- MAT272 - Calculus II (4 cr)

Natural Sciences

Earn at least 8 credits from the following:
- CHM151 - General Chemistry I (4 cr)
- PHY251 - General Physics I (4 cr)
- PHY252 - General Physics II (4 cr)

Other Required Courses

Other Required Courses
Type
Completion Requirement

Academic Transition Engineering

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)
- DFT170 - Engineering Graphics (3 cr)
- EGR150 - Introduction to Engineering (2 cr)

Additional Comments:
OPTIONAL GENERAL EDUCATION HOURS (0-8 SHC)

A student may take up to 8 SHC of foreign language courses and accompanying labs, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1062C - CCP Associate in Fine Arts Visual Arts - Transfer Pathway

Overview

Program Title
CCP Associate in Fine Arts Visual Arts - Transfer Pathway

Program Code
P1062C

Degree Designation
High School Program - CCP

Department
Transfer Programs

Minimum Required Credit Hours
32

Description

Program Description
This pathway is designed for high school juniors and seniors who wish to begin study toward an Associate in Arts in Theatre degree and a baccalaureate degree in a non-STEM major.

Program Requirements

Simple Requisites

General Education

General Education Courses
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:
- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Mathematics

Complete at least 1 of the following courses:
- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)
- MAT271 - Calculus I (4 cr)

Natural Science

Earn at least 4 credits from the following:
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)
- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)

Humanities/Fine Arts

Earn at least 6 credits from the following:
- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

(Select from 2 different subject areas)

Social/Behavioral Science

Earn at least 6 credits from the following:
- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

(Select from 2 different subject areas)

Other Required Courses

Other Required Courses
Type
Completion Requirement

ACA

Complete ALL of the following Courses:
- ACA122 - College Transfer Success (1 cr)

Art Classes

Complete ALL of the following Courses:
- ART121 - Two-Dimensional Design (3 cr)
- ART131 - Drawing I (3 cr)

Optional General Education Hours (0-8 SHC)

Students may take up to 8 SHC foreign language courses and labs in a single language. Not part of the Universal General Education Transfer Component. A grade of C or better is needed for transfer credit. The receiving university will

determine if credits transfer as Gen Ed, pre-major, or elective credit.

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits **Total Major Credits**
0 0
Total Minor Credits **Total Elective Credits**
0 0

P1082C - CCP Associate in Fine Arts Theatre - Transfer Pathway

Overview

Program Title
CCP Associate in Fine Arts Theatre - Transfer Pathway

Program Code
P1082C

Degree Designation
High School Program - CCP

Department
Transfer Programs

Minimum Required Credit Hours
32

Description

Program Description
This pathway is designed for high school juniors and seniors who wish to begin study toward an Associate in Arts in Theatre degree and a baccalaureate degree in a non-STEM major.

Program Requirements

Simple Requisites

General Education

General Education
Type
Completion Requirement

English Composition

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry (3 cr)
- ENG112 - Writing & Research in the Disciplines (3 cr)

Mathematics

Complete at least 1 of the following courses:

- MAT143 - Quantitative Literacy (3 cr)
- MAT152 - Statistical Methods I (4 cr)
- MAT171 - Precalculus Algebra (4 cr)
- MAT271 - Calculus I (4 cr)

Natural Science

Earn at least 4 credits from the following:

- AST111 - Descriptive Astronomy (3 cr)
- AST111A - Descriptive Astronomy Lab (1 cr)
- AST151 - General Astronomy I (3 cr)
- AST151A - General Astronomy I Lab (1 cr)
- BIO110 - Principles of Biology (4 cr)
- BIO111 - General Biology I (4 cr)
- CHM151 - General Chemistry I (4 cr)
- GEL111 - Geology (4 cr)

- PHY110 - Conceptual Physics (3 cr)
- PHY110A - Conceptual Physics Lab (1 cr)

Humanities/Fine Arts

Earn at least 6 credits from the following:

- ART111 - Art Appreciation (3 cr)
- ART114 - Art History Survey I (3 cr)
- ART115 - Art History Survey II (3 cr)
- COM120 - Introduction to Interpersonal Communication (3 cr)
- COM231 - Public Speaking (3 cr)
- DRA111 - Theatre Appreciation (3 cr)
- ENG231 - American Literature I (3 cr)
- ENG232 - American Literature II (3 cr)
- ENG241 - British Literature I (3 cr)
- ENG242 - British Literature II (3 cr)
- MUS110 - Music Appreciation (3 cr)
- PHI240 - Introduction to Ethics (3 cr)

(Select from two different subject areas)

Social/Behavioral Science

Earn at least 6 credits from the following:

- ECO251 - Principles of Microeconomics (3 cr)
- ECO252 - Principles of Macroeconomics (3 cr)
- HIS111 - World Civilizations I (3 cr)
- HIS112 - World Civilizations II (3 cr)
- HIS131 - American History I (3 cr)
- HIS132 - American History II (3 cr)
- POL120 - American Government (3 cr)
- PSY150 - General Psychology (3 cr)
- SOC210 - Introduction to Sociology (3 cr)

(Select courses from 2 different subject areas)

Other Required Courses

Other Required Courses
Type
Completion Requirement

ACA

Complete ALL of the following Courses:

- ACA122 - College Transfer Success (1 cr)

Acting Track

Complete ALL of the following Courses:

- DRA130 - Acting I (3 cr)
- DRA170 - Play Production I (3 cr)

(Pick one Track)

Technical Track

Complete ALL of the following Courses:

- DRA140 - Stagecraft I (3 cr)
- DRA170 - Play Production I (3 cr)

(Pick one Track)

Additional Comments:
OPTIONAL GENERAL EDUCATION HOURS (0-8 SHC)

A student may take up to 8 SHC of foreign language courses and accompanying labs, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

Recommended Course Sequence

Degree Map Name
Recommended Course Sequence
Total Degree Map Credits
0
Total General Education Credits **Total Major Credits**
0 0
Total Minor Credits **Total Elective Credits**
0 0

All Courses

ACA115 - Success & Study Skills

Overview

Subject code	Course Number
ACA	115

Description

This course provides an orientation to the campus, resources and academic skills necessary to achieve, educational objectives. Emphasis is placed on an, exploration of facilities and services, study, skills, library skills, self-assessment, wellness, goal-setting, and critical thinking. Upon, completion, students should be able to manage, their learning experiences to successfully meet, educational goals. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

ACA122 - College Transfer Success

Overview

Subject code	Course Number	Department(s)
ACA	122	General Education

Description

This course provides information and strategies necessary to develop clear academic and professional goals beyond the community college experience. Topics include the CAA, college policies and culture, career exploration, gathering information on senior institutions, strategic planning, critical thinking, and communications skills for a successful academic transition. Upon completion, students should be able to develop an academic plan to transition successfully to senior institutions. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

ACC120 - Principles of Financial Accounting

Overview

Subject code
ACC

Course Number
120

Department(s)
Accounting Programs, Business Programs

Description
This course introduces business decision-making using accounting information systems. Emphasis is placed on analyzing, summarizing, reporting, and interpreting financial information. Upon completion, students should be able to prepare financial statements, understand the role of financial information in decision-making and address ethical considerations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

ACC121 - Principles of Managerial Accounting

Overview

Subject code
ACC

Course Number
121

Department(s)
Accounting Programs, Business Programs

Description
This course includes a greater emphasis on, managerial and cost accounting skills. Emphasis, is placed on managerial accounting concepts for, external and internal analysis, reporting and, decision-making. Upon completion, students, should be able to analyze and interpret, transactions relating to managerial concepts, including product-costing systems. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ACC121 - Prin of Managerial Accounting requires ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC121 - Prin of Managerial Accounting requires the Course(s) ACC120 to be completed as a Prerequisite.

ACC122 - Principles of Financial Acct II

Overview

Subject code	Course Number	Department(s)
ACC	122	Accounting Programs, Business Programs

Description
This course provides additional instruction in the, financial accounting concepts and procedures, introduced in ACC 120. Emphasis is placed on the, analysis of specific balance sheet accounts, with, in-depth instruction of the accounting principles, applied to these accounts. Upon completion, students should be able to analyze data, prepare, journal entries, and prepare reports in compliance, with generally accepted accounting principles. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ACC122 - Prin of Financial Acct II requires ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC122 - Prin of Financial Acct II requires the Course(s) ACC120 to be completed as a Prerequisite.

ACC129 - Individual Income Taxes

Overview

Subject code	Course Number	Department(s)
ACC	129	Accounting Programs, Business Programs

Description
This course introduces the relevant laws governing individual income taxation. Topics include tax law, electronic research and methodologies, and the use of technology for preparation of individual income tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various individual tax forms. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ACC140 - Payroll Accounting

Overview

Subject code
ACC

Course Number
140

Department(s)
Accounting Programs, Business Programs

Description
This course covers federal and state laws pertaining to wages, payroll taxes, payroll tax forms, and journal and general ledger transactions. Emphasis is placed on computing wages; calculating social security, income, and unemployment taxes; preparing appropriate payroll tax forms; and journalizing/posting transactions. Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries using appropriate technology. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course ACC140 - Payroll Accounting requires ACC 120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC140 - Payroll Accounting requires the Course(s) ACC 120 to be completed as a Prerequisite.

Course ACC140 - Payroll Accounting requires ACC115 or ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC140 - Payroll Accounting requires the Course(s) ACC115 or ACC120 to be completed as a Prerequisite.

Course ACC140 - Payroll Accounting requires ACC115 or ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC140 - Payroll Accounting requires the Course(s) ACC115 or ACC120 to be completed as a Prerequisite.

ACC150 - Accounting Software Applications

Overview

Subject code
ACC

Course Number
150

Department(s)
Accounting Programs, Business Programs

Description
This course introduces microcomputer applications related to accounting systems. Topics include general ledger, accounts receivable, accounts payable, inventory, payroll, and correcting, adjusting, and closing entries. Upon completion, students should be able to use a computer accounting package to accurately solve accounting problems. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course ACC150 - Accounting Software Appl requires ACC 120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC150 - Accounting Software Appl requires the Course(s) ACC 120 to be completed as a Prerequisite.

Course ACC150 - Accounting Software Appl requires ACC115 or ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC150 - Accounting Software Appl requires the Course(s) ACC115 or ACC120 to be completed as a Prerequisite.

Course ACC150 - Accounting Software Appl requires ACC115 or ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC150 - Accounting Software Appl requires the Course(s) ACC115 or ACC120 to be completed as a Prerequisite.

ACC220 - Intermediate Accounting I

Overview

Subject code
ACC

Course Number
220

Department(s)
Accounting Programs, Business Programs

Description
This course is a continuation of the study of accounting principles with in-depth coverage of theoretical concepts and financial statements. Topics include generally accepted accounting principles and extensive analysis of balance sheet components. Upon completion, students should be able to demonstrate competence in the conceptual framework underlying financial accounting, including the application of financial standards. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ACC220 - Intermediate Accounting I requires ACC 120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC220 - Intermediate Accounting I requires the Course(s) ACC 120 to be completed as a Prerequisite.

Course ACC220 - Intermediate Accounting I requires ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course ACC220 - Intermediate Accounting I requires the Course(s) ACC120 to be completed as a Prerequisite.

ACC227 - Practices in Accounting

Overview

Subject code
ACC

Course Number
227

Department(s)
Accounting Programs, Business Programs

Description
This course provides an advanced in-depth study of selected topics in accounting using case studies and individual and group problem solving. Topics include cash flow, financial statement analysis, individual and group problem solving, practical approaches to dealing with clients, ethics, and critical thinking. Upon completion, students should be able to demonstrate competent analytical skills and effective communication of their analysis in written and/or oral presentations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ACC227 - Practices in Accounting requires ACC220 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC220 - Intermediate Accounting I

Additional Comments:
Course ACC227 - Practices in Accounting requires the Course(s) ACC220 to be completed as a Prerequisite.

ACC240 - Government & Not-For-Profit Accounting

Overview

Subject code
ACC

Course Number
240

Department(s)
Accounting Programs, Business Programs

Description
This course introduces principles and procedures applicable to governmental and not-for-profit organizations. Emphasis is placed on various budgetary accounting procedures and fund accounting. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ACC240 - Gov & Not-For-Profit Acct requires ACC121 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC121 - Principles of Managerial Accounting

Additional Comments:
Course ACC240 - Gov & Not-For-Profit Acct requires the Course(s) ACC121 to be completed as a Prerequisite.

AGR121 - Biological Pest Management

Overview

Subject code	Course Number	Department(s)
AGR	121	Horticulture Programs

Description

This course will emphasize the building and maintaining of healthy soil, plant and insect biological cycles as the key to pest and disease management. Course content includes study of major pests and diseases, including structure, life cycle, and favored hosts; and biological and least toxic methods of chemical control. Upon completion, students will be able to identify and recommend methods of prevention and control of selected insects and diseases. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AGR265 - Organic Crop Production: Spring

Overview

Subject code	Course Number	Department(s)
AGR	265	Horticulture Programs

Description

This course includes a study of spring organic crop production practices, including vegetables, cut flowers, and culinary and medicinal herbs. Topics include variety selection, production methods, and record keeping procedures for certification. Upon completion, students will be able to demonstrate a knowledge of organic crop production appropriate for the spring season. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AGR267 - Permaculture

Overview

Subject code	Course Number	Department(s)
AGR	267	Horticulture Programs

Description

This course introduces the design of sustainable human habitats as part of a sustainable system, with emphasis placed on living systems of the temperate region. Topics include fundamentals of permaculture system design for farms, including gardens, fields, water, animals, buildings, economics, and society. Upon completion, students should be able to design a functional holistic farm system. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ANT210 - General Anthropology

Overview

Subject code	Course Number	Department(s)
ANT	210	A, General Education, N, T

Description

This course introduces the physical, archaeological, linguistic, and ethnological fields of anthropology. Topics include human origins, genetic variations, archaeology, linguistics, primatology, and contemporary cultures. Upon completion, students should be able to demonstrate an understanding of the four major fields of anthropology. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART111 - Art Appreciation

Overview

Subject code	Course Number	Department(s)
ART	111	General Education

Description

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART114 - Art History Survey I

Overview

Subject code	Course Number	Department(s)
ART	114	General Education

Description

This course covers the development of art forms from ancient times to the Renaissance. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART115 - Art History Survey II

Overview

Subject code	Course Number	Department(s)
ART	115	General Education

Description

This course covers the development of art forms from the Renaissance to the present. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART121 - Two-Dimensional Design

Overview

Subject code	Course Number	Department(s)
ART	121	General Education

Description

This course introduces the elements and principles of design as applied to two-dimensional art. Emphasis is placed on the structural elements, the principles of visual organization, and the theories of color mixing and interaction. Upon completion, students should be able to understand and use critical and analytical approaches as they apply to two-dimensional visual art. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART122 - Three-Dimensional Design

Overview

Subject code	Course Number	Department(s)
ART	122	General Education

Description

This course introduces basic studio problems in three-dimensional visual design. Emphasis is placed on the structural elements and organizational principles as applied to mass and space. Upon completion, students should be able to apply three-dimensional design concepts. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART131 - Drawing I

Overview

Subject code	Course Number	Department(s)
ART	131	General Education

Description

This course introduces the language of drawing and the use of various drawing materials. Emphasis is placed on drawing techniques, media, and graphic principles. Upon completion, students should be able to demonstrate competence in the use of graphic form and various drawing processes. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART132 - Drawing II

Overview

Subject code	Course Number	Department(s)
ART	132	General Education

Description

This course continues instruction in the language of drawing and the use of various materials. Emphasis is placed on experimentation in the use of drawing techniques, media, and graphic materials. Upon completion, students should be able to demonstrate increased competence in the expressive use of graphic form and techniques. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ART132 - Drawing II requires ART131 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- ART131 - Drawing I

Additional Comments:

Course ART132 - Drawing II requires the Course(s) ART131 to be completed as a Prerequisite.

ART135 - Figure Drawing I

Overview

Subject code	Course Number	Department(s)
ART	135	General Education

Description

This course introduces rendering the human figure with various drawing materials. Emphasis is placed on the use of the visual elements, anatomy, and proportion in the representation of the draped and undraped figure. Upon completion, students should be able to demonstrate competence in drawing the human figure. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART171 - Digital Design I

Overview

Subject code	Course Number	Department(s)
ART	171	General Education

Description

This course is designed to introduce students to the elements and principles of design through the use of digital software. Emphasis is placed on developing composition and design skills using vector, raster, and time-based media. Upon completion, students should be able to identify and use tools in digital software, understand and utilize digital and artistic vocabulary, and employ the principles and elements of design to create artwork using digital means. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART214 - Portfolio and Resume

Overview

Subject code	Course Number	Department(s)
ART	214	General Education

Description

This course covers resume writing, interview skills, and the preparation and presentation of an art portfolio. Emphasis is placed on the preparation of a portfolio of original artwork, the preparation of a photographic portfolio, approaches to resume writing, and interview techniques. Upon completion, students should be able to photograph and present a digital portfolio and write an effective resume. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

ART231 - Printmaking I

Overview

Subject code	Course Number	Department(s)
ART	231	General Education

Description

This course introduces printmaking: its history, development techniques, and processes. Emphasis, is placed on basic applications with investigation, into image source and development. Upon, completion, students should be able to produce, printed images utilizing a variety of methods.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART232 - Printmaking II

Overview

Subject code	Course Number	Department(s)
ART	232	General Education

Description

This course includes additional methods and, printmaking processes. Emphasis is placed on the, printed image as related to method, source, and, concept. Upon completion, students should be able, to produce expressive images utilizing both, traditional and innovative methods. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ART232 - Printmaking II requires ART231 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- ART231 - Printmaking I

Additional Comments:

Course ART232 - Printmaking II requires the Course(s) ART231 to be completed as a Prerequisite.

ART240 - Painting I

Overview

Subject code	Course Number	Department(s)
ART	240	General Education

Description

This course provides a continuing investigation of the materials, processes, and techniques of painting. Emphasis is placed on the exploration of expressive content using a variety of creative processes. Upon completion, students should be able to demonstrate competence in the expanded use of form and variety. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART241 - Painting II

Overview

Subject code	Course Number	Department(s)
ART	241	General Education

Description

This course provides a continuing investigation of, the materials, processes, and techniques of, painting. Emphasis is placed on the exploration, of expressive content using a variety of creative, processes. Upon completion, students should be, able to demonstrate competence in the expanded use, of form and variety. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ART241 - Painting II requires ART240 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- ART240 - Painting I

Additional Comments:

Course ART241 - Painting II requires the Course(s) ART240 to be completed as a Prerequisite.

ART264 - Digital Photography I

Overview

Subject code	Course Number	Department(s)
ART	264	General Education

Description

This course introduces digital photographic equipment, theory and processes. Emphasis is placed on camera operation, composition, computer photo manipulation and creative expression. Upon completion, students should be able to successfully expose, digitally manipulate, and print a well-conceived composition. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART265 - Digital Photography II

Overview

Subject code	Course Number	Department(s)
ART	265	General Education

Description

This course provides exploration of the concepts and processes of photo manipulation through complex composite images, special effects, color balancing and image/text integration. Emphasis is placed on creating a personal vision and style. Upon completion, students should be able to produce well-executed images using a variety of photographic and photo manipulative approaches. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ART265 - Digital Photography II requires ART264 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- ART264 - Digital Photography I

Additional Comments:

Course ART265 - Digital Photography II requires the Course(s) ART264 to be completed as a Prerequisite.

ART266 - Videography I

Overview

Subject code	Course Number	Department(s)
ART	266	General Education

Description

This course introduces various aspects of basic video production including concept development, scripting, camera operation, and post-production. Emphasis is placed on creative expression, camera handling, story boarding, and editing. Upon completion, students should be able to demonstrate a basic understanding of video camera operation and production techniques. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART267 - Videography II

Overview

Subject code	Course Number	Department(s)
ART	267	General Education

Description

This course is designed to provide a framework for the production of a long-term video project. Emphasis is placed on realization of the unique creative vision. Upon completion, students should be able to produce a thematically coherent, edited video with sound and titling. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART271 - Digital Design II

Overview

Subject code	Course Number	Department(s)
ART	271	General Education

Description

This course includes advanced digital techniques in raster, vector, and time based media. Emphasis is based on creative application and integration of digital technologies. Upon completion, students should be able to demonstrate command of various digital systems to express their personal vision. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART275 - Introduction to Graphic Design

Overview

Subject code	Course Number	Department(s)
ART	275	General Education

Description

This course introduces students to the field of, graphic design. Emphasis is placed on the basic, concepts of visual communication, the design, process and the ability to evaluate and discuss, design issues in a critical manner. Upon, completion, students should be able to use, contemporary design software and visual language, techniques as they apply to creative visual, problem-solving involving typography, image, manipulation, symbolic representation and page, management while being responsive to the, relationship between client, designer and, audience. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART281 - Sculpture I

Overview

Subject code	Course Number	Department(s)
ART	281	General Education

Description

This course provides an exploration of the creative and technical methods of sculpture with focus on the traditional processes. Emphasis is placed on developing basic skills as they pertain to three-dimensional expression in various media. Upon completion, students should be able to show competence in variety of sculptural approaches. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART282 - Sculpture II

Overview

Subject code	Course Number	Department(s)
ART	282	General Education

Description

This course builds on the visual and technical, skills learned in ART 281. Emphasis is placed on, developing original solutions to sculptural, problems in a variety of media. Upon completion, students should be able to express individual, ideas using the techniques and materials of, sculpture. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ART282 - Sculpture II requires ART281 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- ART281 - Sculpture I

Additional Comments:

Course ART282 - Sculpture II requires the Course(s) ART281 to be completed as a Prerequisite.

ART283 - Ceramics I

Overview

Subject code	Course Number	Department(s)
ART	283	General Education

Description

This course provides an introduction to three-dimensional design principles using the medium of clay. Emphasis is placed on fundamentals of forming, surface design, glaze application, and firing. Upon completion, students should be able to demonstrate skills in slab and coil construction, simple wheel forms, glaze technique, and creative expression. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ART284 - Ceramics II

Overview

Subject code	Course Number	Department(s)
ART	284	General Education

Description

This course covers advanced hand building and, wheel techniques. Emphasis is placed on creative, expression, surface design, sculptural quality, and glaze effect. Upon completion, students, should be able to demonstrate a high level of, technical competence in forming and glazing with a, development of three-dimensional awareness. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ART284 - Ceramics II requires ART283 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- ART283 - Ceramics I

Additional Comments:
Course ART284 - Ceramics II requires the Course(s) ART283 to be completed as a Prerequisite.

ASL111 - Elementary ASL I

Overview

Subject code	Course Number	Department(s)
ASL	111	Interpreter Education Programs

Description
This course introduces the fundamental elements of American Sign Language within a cultural context. Emphasis is placed on the development of basic expressive and receptive skills. Upon completion, students will be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness. Online sections are required to meet their ASL instructor each week online, using Adobe Connect. See sections for specific times. The students must have a laptop/desktop computer, high internet connection, and web camera to be in these ASL courses. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ASL111 - Elementary ASL I requires ASL181 as a Corequisite
Type
Corequisite

Enroll in the following Courses:
- ASL181 - ASL Lab 1

Additional Comments:
Course ASL111 - Elementary ASL I requires you to be enrolled in Course(s) ASL181 as a Corequisite.

ASL112 - Elementary ASL II

Overview

Subject code	Course Number	Department(s)
ASL	112	Interpreter Education Programs

Description
This course is a continuation of ASL 111 focusing on the fundamental elements of American Sign Language in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills. Upon completion, the students should be able to comprehend and respond with increasing accuracy to expressive American Sign Language and demonstrate cultural awareness. Online sections are required to meet their ASL instructor each week online, using Adobe Connect. See sections for specific times. The students must have a laptop/desktop computer, high internet connection, and web camera to be in these ASL courses. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ASL112 - Elementary ASL II requires ASL 111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL111 - Elementary ASL I

Additional Comments:
Course ASL112 - Elementary ASL II requires the Course(s) ASL 111

to be completed as a Prerequisite.

Course ASL112 - Elementary ASL II requires ASL 182 as a Corequisite
Type
Corequisite

Enroll in the following Courses:
- ASL182 - ASL Lab 2

Additional Comments:
Course ASL112 - Elementary ASL II requires you to be enrolled in Course ASL 182 as a Corequisite.

Course ASL112 - Elementary ASL II requires ASL111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL111 - Elementary ASL I

Additional Comments:
Course ASL112 - Elementary ASL II requires the Course(s) ASL111 to be completed as a Prerequisite.

Course ASL112 - Elementary ASL II requires ASL182 as a Corequisite
Type
Corequisite

Enroll in the following Courses:
- ASL182 - ASL Lab 2

Additional Comments:
Course ASL112 - Elementary ASL II requires you to be enrolled in Course ASL182 as a Corequisite.

ASL181 - ASL Lab 1

Overview

Subject code	Course Number	Department(s)
ASL	181	Interpreter Education Programs

Description
This course provides an opportunity to enhance acquisition of the fundamental elements of American Sign Language. Emphasis is placed on the progressive development of basic expressive and receptive skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness. Online sections are required to meet their ASL instructor each week online, using Adobe Connect. See sections for specific times. The students must have a laptop/desktop computer, high internet connection, and web camera to be in these ASL courses. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

ASL182 - ASL Lab 2

Overview

Subject code	Course Number	Department(s)
ASL	182	Interpreter Education Programs

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of American Sign Language. Emphasis is placed on the progressive development of basic expressive and receptive skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to expressive American Sign Language and demonstrate cultural awareness. Online sections are required to meet their ASL instructor each week online, using Adobe Connect. See sections for specific times. The students must have a laptop/desktop computer, high internet connection, and web camera to be in these ASL courses. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course ASL182 - ASL Lab 2 requires ASL181 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- ASL181 - ASL Lab 1

Additional Comments:

Course ASL182 - ASL Lab 2 requires the Course(s) ASL181 to be completed as a Prerequisite.

ASL211 - Intermediate ASL I

Overview

Subject code
ASL

Course Number
211

Department(s)
Interpreter Education Programs

Description
This course provides a review and expansion of the essential skills of American Sign Language. Emphasis is placed on the progressive development of expressive and receptive skills, study of authentic and representative literacy and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively using American Sign Language about the past, present, and future. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ASL211 - Intermediate ASL I requires ASL112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL112 - Elementary ASL II

Additional Comments:
Course ASL211 - Intermediate ASL I requires the Course(s) ASL112 to be completed as a Prerequisite.

Course ASL211 - Intermediate ASL I requires ASL281 as a Corequisite
Type
Corequisite

Enroll in the following Courses:
- ASL281 - ASL Lab 3

Additional Comments:
Course ASL211 - Intermediate ASL I requires you to be enrolled in Course ASL281 as a Corequisite.

ASL212 - Intermediate ASL II

Overview

Subject code
ASL

Course Number
212

Department(s)
Interpreter Education Programs

Description
This course provides a continuation of ASL 211. Emphasis is placed on the continuing development of expressive and receptive skills, with study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ASL212 - Intermediate ASL II requires ASL211 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL211 - Intermediate ASL I

Additional Comments:
Course ASL212 - Intermediate ASL II requires the Course(s) ASL211 to be completed as a Prerequisite.

Course ASL212 - Intermediate ASL II requires ASL282 as a Corequisite
Type
Corequisite

Enroll in the following Courses:
- ASL282 - ASL Lab 4

Additional Comments:
Course ASL212 - Intermediate ASL II requires you to be enrolled in Course ASL282 as a Corequisite.

ASL221 - Advanced American Sign Language I

Overview

Subject code
ASL

Course Number
221

Department(s)
Interpreter Education Programs

Description
This course provides an expansion of the essential and advanced skills of ASL, including advanced vocabulary, lexicalized fingerspelling, and complex grammatical structures. Emphasis is placed on the advanced development of expressive, receptive and conversational skills, study of authentic and representative literacy and cultural texts. Upon completion, students will communicate more accurately with advanced complexity, and to present the topics in the various registers, pragmatics and genres of ASL. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ASL221 - Advanced ASL I requires ASL212 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL212 - Intermediate ASL II

Additional Comments:
Course ASL221 - Advanced ASL I requires the Course(s) ASL212 to be completed as a Prerequisite.

ASL222 - Advanced American Sign Language II

Overview

Subject code
ASL

Course Number
222

Department(s)
Interpreter Education Programs

Description
This course provides more expansion of the essential and advanced skills of ASL, including advanced vocabulary, lexicalized fingerspelling, story telling, and complex grammatical structures. Emphasis is placed on the more advanced development of expressive, receptive, conversational and presentational skills in a variety of discourse genres. Upon completion, students should be able to debate and lecture with advanced complexity, create story telling, and to present the complementary issues of Deaf community. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ASL222 - Advanced ASL II requires ASL221 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL221 - Advanced American Sign Language I

Additional Comments:
Course ASL222 - Advanced ASL II requires the Course(s) ASL221 to be completed as a Prerequisite.

ASL225 - Global Deaf Community

Overview

Subject code
ASL

Course Number
225

Description
This course provides an overview of issues related, to D/deaf people focusing on Deaf history, causes, of deafness, communication, and attitudes toward, D/deaf people globally. Emphasis is placed on deaf, history, causes of deafness, communication, and, attitude toward D/deaf people. Upon completion, students should be able to discuss significant, issues related to deafness. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ASL250 - Linguistics of American Sign Language

Overview

Subject code
ASL

Course Number
250

Department(s)
Interpreter Education Programs

Description
This course is designed to increase knowledge and skills necessary to linguistically analyze ASL. Emphasis is placed on applying phonology, morphology, syntax, semantics, discourse and socio- linguistics of ASL. Upon completion, students should be able to demonstrate knowledge and understanding of the basic linguistics of ASL through a variety of assessment methods. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ASL250 - Linguistics of ASL requires ASL112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL112 - Elementary ASL II

Additional Comments:
Course ASL250 - Linguistics of ASL requires the Course(s) ASL112 to be completed as a Prerequisite.

ASL252 - American Sign Language Classifiers

Overview

Subject code
ASL

Course Number
252

Department(s)
Interpreter Education Programs

Description
This course provides an opportunity to enhance the use of principles of ASL classifiers and to expand the use of ASL classifiers. Emphasis is placed on using different categories of classifiers including bodypart, descriptive, element, instrument and semantic classifiers. Upon completion, students should be able to communicate effectively, accurately, and creatively incorporating ASL classifiers. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course ASL252 - ASL Classifiers requires ASL211 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL211 - Intermediate ASL I

Additional Comments:
Course ASL252 - ASL Classifiers requires the Course(s) ASL211 to be completed as a Prerequisite.

ASL281 - ASL Lab 3

Overview

Subject code
ASL

Course Number
281

Department(s)
Interpreter Education Programs

Description
This course provides an opportunity to enhance the review and expansion of the essential skills of American Sign Language. Emphasis is placed on the progressive development of expressive and receptive skills through the study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course ASL281 - ASL Lab 3 requires ASL182 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL182 - ASL Lab 2

Additional Comments:
Course ASL281 - ASL Lab 3 requires the Course(s) ASL182 to be completed as a Prerequisite.

ASL282 - ASL Lab 4

Overview

Subject code	Course Number	Department(s)
ASL	282	Interpreter Education Programs

Description
This course provides an opportunity to enhance the review and expansion of the essential skills of American Sign Language. Emphasis is placed on the continuing development of expressive and receptive skills and study of authentic and representative literary and cultural texts thorugh the use of various supplementary learning media and materials. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course ASL282 - ASL Lab 4 requires ASL281 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL281 - ASL Lab 3

Additional Comments:
Course ASL282 - ASL Lab 4 requires the Course(s) ASL281 to be completed as a Prerequisite.

AST111 - Descriptive Astronomy

Overview

Subject code	Course Number	Department(s)
AST	111	Transfer Programs

Description
This course introduces an overall view of modern, astronomy. Topics include an overview of the, solar system, the sun, stars, galaxies, and the, larger universe. Upon completion, students should, be able to demonstrate an understanding of the, universe around them. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course AST111 - Descriptive Astronomy requires AST111A
Type
Prerequisite

[object Object]

Additional Comments:
Course AST111 - Descriptive Astronomy requires the Course(s) AST111A to be completed as a Prerequisite or taken in parallel as a Corequisite.

AST111A - Descriptive Astronomy Lab

Overview

Subject code	Course Number	Department(s)
AST	111A	Transfer Programs

Description

The course is a laboratory to accompany AST 111, Emphasis is placed on laboratory experiences which, enhance the materials presented in AST 111 and, which provide practical experience. Upon, completion, students should be able to demonstrate, an understanding of the universe around them. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AST111A - Descriptive Astronomy Lab requires AST111
Type
Prerequisite

[object Object]

Additional Comments:
Course AST111A - Descriptive Astronomy Lab requires the Course(s) AST111 to be completed as a Prerequisite or taken in parallel as a Corequisite.

AST151 - General Astronomy I

Overview

Subject code	Course Number	Department(s)
AST	151	Transfer Programs

Description

This course introduces the science of modern astronomy with a concentration on the solar system. Emphasis is placed on the history and physics of astronomy and an introduction to the solar system, including the planets, comets, and meteors. Upon completion, students should be able to demonstrate a general understanding of the solar system. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AST151A - General Astronomy I Lab

Overview

Subject code	Course Number	Department(s)
AST	151A	Transfer Programs

Description

The course is a laboratory to accompany AST 151. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 151 and which provide practical experience. Upon completion, students should be able to demonstrate a general understanding of the solar system. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AST151A - General Astronomy I Lab requires AST151
Type
Prerequisite

[object Object]

Additional Comments:
Course AST151A - General Astronomy I Lab requires the Course(s) AST151 to be completed as a Prerequisite or taken in parallel as a Corequisite.

AST152 - General Astronomy II

Overview

Subject code	Course Number	Department(s)
AST	152	Transfer Programs

Description

This course is a continuation of AST 151 with primary emphasis beyond the solar system. Topics include the sun, stars, galaxies, and the larger universe, including cosmology. Upon completion, students should be able to demonstrate a working knowledge of astronomy. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

No Requirements

AST152A - General Astronomy II Lab

Overview

Subject code	Course Number	Department(s)
AST	152A	Transfer Programs

Description

The course is a laboratory to accompany AST 152. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 152 and which provide practical experience. Upon completion, students should be able to demonstrate a working knowledge of astronomy. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

No Requirements

ATR112 - Introduction to Automation

Overview

Subject code	Course Number	Department(s)
ATR	112	Computer Integrated Machining Programs

Description

This course introduces the basic principles of automated systems and describes the tasks that technicians perform on the job. Topics include the history, development, and current applications of robots and automated systems including their configuration, operation, components, and controls. Upon completion, students should be able to understand the basic concepts of automation and robotic systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ATR112 - Intro to Automation requires MAT171
Type
Prerequisite

[object Object]

Additional Comments:
Course ATR112 - Intro to Automation requires the Course(s) MAT171 to be completed as a Prerequisite or taken in parallel as a Corequisite.

ATR211 - Robot Programming

Overview

Subject code	Course Number	Department(s)
ATR	211	Computer Integrated Machining Programs

Description
This course provides the operational characteristics of robots and programming in their respective languages. Topics include robot programming, teach pendants, PLC integration, operator interfaces, the interaction of external sensors, machine vision, network systems, and other related devices. Upon completion, students should be able to program and demonstrate the operation of various robots.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ATR219 - Automation Troubleshooting

Overview

Subject code	Course Number	Department(s)
ATR	219	Computer Integrated Machining Programs

Description
This course introduces troubleshooting procedures used in automated systems. Topics include logical fault isolation, diagnostic software usage, component replacement techniques, and calibration; safety of equipment; and protection of equipment while troubleshooting. Upon completion, students should be able to analyze and troubleshoot an automated system. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course ATR219 - Automation Troubleshooting requires ELC131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ELC131 - Circuit Analysis I

Additional Comments:
Course ATR219 - Automation Troubleshooting requires the Course(s) ELC131 to be completed as a Prerequisite.

ATT115 - Green Transportation Safety & Service

Overview

Subject code	Course Number	Department(s)
ATT	115	Transportation Programs

Description
This course covers workplace safety, hazardous material and environmental regulation relevant to electric, hybrid and alternative fueled vehicles. Topics include safety of high voltage vehicle systems, gaseous fuel systems and alternative liquid fuels. Upon completion, students should be able to demonstrate safe work practices, utilize appropriate shop tools and explain government regulations associated with alternative transportation. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

ATT125 - Hybrid-Electric Transportation

Overview

Subject code	Course Number	Department(s)
ATT	125	Transportation Programs

Description
This course covers the theory and operation of hybrid-electric drive vehicles. Topics include maintenance, diagnostics, repair and safety procedures for electrically propelled and hybrid vehicles. Upon completion, students should be able to perform diagnostics, maintenance and repair hybrid-electric drive vehicles. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ATT125 - Hybrid-Electric Trans requires TRN120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- TRN120 - Basic Transportation Electricity

Additional Comments:
Course ATT125 - Hybrid-Electric Trans requires the Course(s) TRN120 to be completed as a Prerequisite.

ATT130 - Biofuels for Transportation

Overview

Subject code	Course Number	Department(s)
ATT	130	Transportation Programs

Description

This course covers handling and usage procedures for liquid biofuels used in internal combustion engines. Emphasis is placed on recognizing, evaluating and diagnosing the impact of Biodiesel and Ethanol on fuel, engine and emission systems. Upon completion, students should be able to maintain, diagnose and service vehicles using straight or blended liquid biofuels. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ATT135 - Gaseous Fuels for Transportation

Overview

Subject code	Course Number	Department(s)
ATT	135	Transportation Programs

Description

This course covers handling and usage procedures for liquefied petroleum gas and compressed natural gas used in internal combustion engines. Emphasis is placed on safety and service procedures for liquefied petroleum gas and compresses natural gas fuel systems, fuel system design differences, and engine and emission systems. Upon completion, students should be able to maintain, diagnose and service vehicles using liquefied petroleum gas or compressed natural gas fuel systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ATT140 - Emerging Transportation Technology

Overview

Subject code	Course Number	Department(s)
ATT	140	Transportation Programs

Description

This course covers emerging technologies in the, automotive industry and diagnostic procedures, associated with those technologies. Topics include, exploring new technologies, diagnostic tools, methods and repairs. Upon completion, students, should be able to demonstrate practical skills, applicable to emerging automotive technologies. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AUB111 - Painting & Refinishing I

Overview

Subject code	Course Number	Department(s)
AUB	111	Transportation Programs

Description

This course introduces the proper procedures for using automotive refinishing equipment and materials in surface preparation and application. Topics include federal, state, and local regulations, personal safety, refinishing equipment and materials, surface preparation, masking, application techniques, and other related topics. Upon completion, students should be able to identify and use proper equipment and materials in refinishing following accepted industry standards. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

AUB112 - Painting & Refinishing II

Overview

Subject code	Course Number	Department(s)
AUB	112	Transportation Programs

Description
This course covers advanced painting techniques and technologies with an emphasis on identifying problems encountered by the refinishing technician. Topics include materials application, color matching, correction of refinishing problems, and other related topics. Upon completion, students should be able to perform spot, panel, and overall refinishing repairs and identify and correct refinish problems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course AUB112 - Painting & Refinishing II requires AUB111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- AUB111 - Painting & Refinishing I

Additional Comments:
Course AUB112 - Painting & Refinishing II requires the Course(s) AUB111 to be completed as a Prerequisite.

AUB114 - Special Finishes

Overview

Subject code	Course Number	Department(s)
AUB	114	Transportation Programs

Description
This course introduces multistage finishes, custom, painting, and protective coatings. Topics include, base coats, advanced intermediate coats, clear, coats, and other related topics. Upon completion, students should be able to identify and apply, specialized finishes based on accepted industry, standards.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course AUB114 - Special Finishes requires AUB111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- AUB111 - Painting & Refinishing I

Additional Comments:
Course AUB114 - Special Finishes requires the Course(s) AUB111 to be completed as a Prerequisite.

AUB121 - Non-Structural Damage I

Overview

Subject code
AUB

Course Number
121

Department(s)
Transportation Programs

Description
This course introduces safety, tools, and the basic fundamentals of body repair. Topics include shop safety, damage analysis, tools and equipment, repair techniques, materials selection, materials usage, and other related topics. Upon completion, students should be able to identify and repair minor direct and indirect damage including removal/repairing/replacing of body panels to accepted standards. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AUB122 - Non-Structural Damage II

Overview

Subject code
AUB

Course Number
122

Department(s)
Transportation Programs

Description
This course covers safety, tools, and advanced body repair. Topics include shop safety, damage analysis, tools and equipment, advanced repair techniques, materials selection, materials usage, movable glass, and other related topics. Upon completion, students should be able to identify and repair or replace direct and indirect damage to accepted standards including movable glass and hardware. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course AUB122 - Non-Structural Damage II requires AUB121 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- AUB121 - Non-Structural Damage I

Additional Comments:
Course AUB122 - Non-Structural Damage II requires the Course(s) AUB121 to be completed as a Prerequisite.

AUB131 - Structural Damage I

Overview

Subject code	Course Number	Department(s)
AUB	131	Transportation Programs

Description
This course introduces safety, equipment, structural damage analysis, and damage repairs. Topics include shop safety, design and construction, structural analysis and measurement, equipment, structural glass, repair techniques, and other related topics. Upon completion, students should be able to analyze and perform repairs to a vehicle which has received light/moderate structural damage. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

AUB132 - Structural Damage II

Overview

Subject code	Course Number	Department(s)
AUB	132	Transportation Programs

Description
This course provides an in-depth study of structural damage analysis and repairs to vehicles that have received moderate to heavy structural damage. Topics include shop safety, structural analysis and measurement, equipment, structural glass, advanced repair techniques, structural component replacement and alignment, and other related topics. Upon completion, students should be able to analyze and perform repairs according to industry standards. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course AUB132 - Structural Damage II requires AUB131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- AUB131 - Structural Damage I

Additional Comments:
Course AUB132 - Structural Damage II requires the Course(s) AUB131 to be completed as a Prerequisite.

AUB136 - Plastics & Adhesives

Overview

Subject code
AUB

Course Number
136

Description
This course covers safety, plastic and adhesive, identification, and the various repair methods of, automotive plastic components. Topics include, safety, identification, preparation, material, selection, and the various repair procedures, including refinishing. Upon completion, students, should be able to identify, remove, repair, and/or, replace automotive plastic components in, accordance with industry standards. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AUB150 - Automotive Detailing

Overview

Subject code
AUB

Course Number
150

Department(s)
Transportation Programs

Description
This course covers the methods and procedures used in automotive detailing facilities. Topics include safety, engine, interior and trunk compartment detailing, buffing/polishing exterior surfaces, and cleaning and reconditioning exterior trim, fabrics, and surfaces. Upon completion, students should be able to improve the overall appearance of a vehicle. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

AUB144 - Mech & Elec Specialties

Overview

Subject code
AUB

Course Number
144

Course Requirements

No Requirements

AUB160 - Body Shop Operations

Overview

Subject code	Course Number	Department(s)
AUB	160	Transportation Programs

Description

This course introduces the day-to-day operations of autobody repair facilities. Topics include work habits and ethics, customer relations, equipment types, materials cost and control, policies and procedures, shop safety and liabilities, and other related topics. Upon completion, students should be able to understand the general operating policies and procedures associated with an autobody repair facility. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

AUB162 - Autobody Estimating

Overview

Subject code	Course Number	Department(s)
AUB	162	Transportation Programs

Description

This course provides a comprehensive study of autobody estimating. Topics include collision damage analysis, industry regulations, flat-rate and estimated time, and collision estimating manuals. Upon completion, students should be able to prepare and interpret a damage report. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

AUT116 - Engine Repair

Overview

Subject code	Course Number	Department(s)
AUT	116	Transportation Programs

Description
This course covers the theory, construction, inspection, diagnosis, and repair of internal combustion engines and related systems. Topics include fundamental operating principles of engines and diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AUT116A - Engine Repair Lab

Overview

Subject code	Course Number	Department(s)
AUT	116A	Transportation Programs

Description
This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AUT116A - Engine Repair Lab requires AUT116
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT116A - Engine Repair Lab requires the Course(s) AUT116 to be completed as a Prerequisite or taken in parallel as a Corequisite.

AUT141 - Suspension & Steering Systems

Overview

Subject code	Course Number	Department(s)
AUT	141	Transportation Programs

Description
This course covers principles of operation, types, and diagnosis/repair of suspension and steering systems to include steering geometry. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AUT141A - Suspension & Steering Lab

Overview

Subject code	Course Number	Department(s)
AUT	141A	Transportation Programs

Description
This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AUT141A - Suspension & Steering Lab requires AUT141
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT141A - Suspension & Steering Lab requires the Course(s) AUT141 to be completed as a Prerequisite or taken in parallel as a Corequisite.

AUT151 - Brake Systems

Overview

Subject code	Course Number	Department(s)
AUT	151	Transportation Programs

Description
This course covers principles of operation and types, diagnosis, service, and repair of brake systems. Topics include drum and disc brakes involving hydraulic, vacuum boost, hydra-boost, electrically powered boost, and anti-lock and parking brake systems. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course AUT151 - Brake Systems requires AUT151A
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT151 - Brake Systems requires the Course(s) AUT151A to be completed as a Prerequisite or taken in parallel as a Corequisite.

AUT151A - Brakes Systems Lab

Overview

Subject code	Course Number	Department(s)
AUT	151A	Transportation Programs

Description
This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include drum and disc brakes involving hydraulic, vacuum-boost, hydra-boost, electrically powered boost, and anti-lock, parking brake systems and emerging brake systems technologies. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AUT151A - Brakes Systems Lab requires AUT151
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT151A - Brakes Systems Lab requires the Course(s) AUT151 to be completed as a Prerequisite or taken in parallel as a Corequisite.

AUT181 - Engine Performance 1

Overview

Subject code	Course Number	Department(s)
AUT	181	Transportation Programs

Description
This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include overviews of engine operation, ignition components and systems, fuel delivery, injection components and systems and emission control devices and emerging engine performance technologies. Upon completion, students should be able to describe operation and diagnose/repair basic ignition, fuel and emission related driveability problems using appropriate test equipment/service information. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course AUT181 - Engine Performance 1 requires AUT181A
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT181 - Engine Performance 1 requires the Course(s) AUT181A to be completed as a Prerequisite or taken in parallel as a Corequisite.

AUT181A - Engine Performance 1 Lab

Overview

Subject code	Course Number	Department(s)
AUT	181A	Transportation Programs

Description
This course is an optional lab to be used as an, alternative to co-op placement in meeting the, NATEF standards for total hours. Topics include, overviews of engine operation, ignition components, and systems, fuel delivery, injection components, and systems and emission control devices and, emerging engine performance technologies. Upon, completion, students should be able to describe, operation and diagnose/repair basic ignition, fuel, and emission related driveability problems using, appropriate test equipment/service information. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AUT181A - Engine Performance 1 Lab requires AUT181
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT181A - Engine Performance 1 Lab requires the Course(s) AUT181 to be completed as a Prerequisite or taken in parallel as a Corequisite.

AUT183 - Engine Performance 2

Overview

Subject code	Course Number	Department(s)
AUT	183	Transportation Programs

Description

This course covers study of the electronic engine control systems, the diagnostic process used to locate engine performance concerns, and procedures used to restore normal operation. Topics will include currently used fuels and fuel systems, exhaust gas analysis, emission control components and systems, OBD II (on-board diagnostics) and inter-related electrical/electronic systems. Upon completion, students should be able to diagnose and repair complex engine performance concerns using appropriate test equipment and service information. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

AUT183 requires completion of AUT181 before enrolling

Type

Completion Requirement

Complete ALL of the following Courses:

- AUT181 - Engine Performance 1

AUT221 - Automatic Transmission/ Transaxles

Overview

Subject code	Course Number	Department(s)
AUT	221	Transportation Programs

Description

This course covers operation, diagnosis, service, and repair of automatic transmissions/transaxles. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools and equipment. Upon completion, students should be able to explain operational theory, diagnose and repair automatic drive trains. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AUT221A - Automatic Transmission/ Transaxle Lab

Overview

Subject code
AUT

Course Number
221A

Description
This course is an optional lab to be used as an, alternative to co-op placement in meeting the, NATEF standards for total hours. Topics include, hydraulic, pneumatic, mechanical, and, electrical/electronic operation of automatic drive, trains and the use of appropriate service tools, and equipment. Upon completion, students should, be able to diagnose and repair automatic drive, trains. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AUT221A - Auto Transm/Transax Lab requires AUT221
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT221A - Auto Transm/Transax Lab requires the Course(s) AUT221 to be completed as a Prerequisite or taken in parallel as a Corequisite.

AUT231 - Manual Transmissions, Trans-Axles, Drivetrains

Overview

Subject code
AUT

Course Number
231

Department(s)
Transportation Programs

Description
This course covers the operation, diagnosis, and repair of manual transmissions/transaxles, clutches, driveshafts, axles, and final drives. Topics include theory of torque, power flow, and manual drive train servicing and repair using appropriate service information, tools, and equipment. Upon completion, students should be able to explain operational theory, diagnose and repair manual drive trains. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

AUT231A - Manual Transmissions, Trans-Axles, Drivetrains Lab

Overview

Subject code
AUT

Course Number
231A

Description
This course is an optional lab for the program, that needs to meet NATEF hour standards but does, not have a co-op component in the program. Topics, include manual drive train diagnosis, service and, repair using appropriate service information, tools, and equipment. Upon completion, students, should be able to diagnose and repair manual drive, trains. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course AUT231A - Man Trans/Ax/Drtrains Lab requires AUT231
Type
Prerequisite

[object Object]

Additional Comments:
Course AUT231A - Man Trans/Ax/Drtrains Lab requires the Course(s) AUT231 to be completed as a Prerequisite or taken in parallel as a Corequisite.

BAF110 - Principles of Banking

Overview

Subject code
BAF

Course Number
110

Department(s)
Business Programs

Description
This course covers the fundamentals of bank functions in a descriptive fashion. Topics include banks and the monetary system, the relationship of banks to depositors, the payment functions, bank loans and accounting, regulations, and examinations. Upon completion, students should be able to demonstrate an understanding of the business of banking from a broad perspective. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BAF131 - Fundamentals of Bank Lending

Overview

Subject code	Course Number	Department(s)
BAF	131	Business Programs

Description

This course introduces the basic knowledge and skills needed to be an effective lender. Topics include the functions of the loan interview and credit investigation, the "C"'s of credit, elements of loan documentation, and warning signs of problem loans. Upon completion, students should be able to demonstrate an understanding of the credit functions and regulatory issues affecting this key banking function. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BAF131 - Fund of Bank Lending requires ACC120 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting

Additional Comments:

Course BAF131 - Fund of Bank Lending requires the Course(s) ACC120 to be completed as a Prerequisite.

BAF141 - Law & Banking: Principles

Overview

Subject code	Course Number	Department(s)
BAF	141	Business Programs

Description

This course provides an overview of the legal aspects of banking and the legal framework within which banks function. Topics include the court system, consumer protection, tangible and intangible property ownership, and the legalities and regulations of bank transactions. Upon completion, students should be able to discuss the non-technical aspects of the legal system and how these affect the bank's organization and operation. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BAF222 - Money and Banking

Overview

Subject code	Course Number	Department(s)
BAF	222	Business Programs

Description

This course provides a fundamental treatment of how money and banks function in the US and world economies. Topics include the roles of money in the US economy, the functions of the Federal Reserve Board, and the workings of monetary and fiscal policies. Upon completion, students should be able to explain how the monetary economy functions, how banks are creators of money, and the impact of the Federal Reserve. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BDF110 - Fermentation Production

Overview

Subject code	Course Number	Department(s)
BDF	110	Brewing Programs

Description

This course introduces the basic methodologies, used in fermentation. Emphasis is placed on the, production of fermented products including, ingredients, techniques, fermentation management, storage and sanitation. Upon completion, students, should be able to design/ produce pilot-scale, products to demonstrate how material selection and, process conditions can generate different, kinds/qualities of products.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BDF110 - Fermentation Production recommends complteion of BDF111 AND BDF125 AND MAT110
Type
Completion Requirement

Course BDF110 - Fermentation Production recommends complteion of BDF111 AND BDF125 AND MAT110

Requisite Condition Not Found

Additional Comments:
Course BDF110 - Fermentation Production recommends the completion of Course(s) BDF111 AND BDF125 AND MAT110 before enrolling.

BDF111 - BDF Safety & Sanitation

Overview

Subject code	Course Number	Department(s)
BDF	111	Brewing Programs

Description

This course covers sanitation, handling and safety with fermentation products, facilities and equipment. Emphasis is placed on the proper chemicals, their selection, handling and storage for sanitation control within the fermentation environment. Upon completion, students should be able to safely maintain quality and stability of fermentation products.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

BDF112 - Survey of Fermented Products

Overview

Subject code	Course Number	Department(s)
BDF	112	Brewing Programs

Description

This course provides an introduction to fermented products. Emphasis is placed on history, production, characteristics, taxonomy, and evaluation. Upon completion, students should be able to identify and apply factors relevant to the production of fermented products.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

BDF114 - Craft Beer Brewing

Overview

Subject code	Course Number	Department(s)
BDF	114	Brewing Programs

Description

This course introduces entry level skills in craft beer brewing. Topics include recipe development, basic sanitation, techniques and equipment used in the production of small batches (5 gallons or less) of craft beer. Upon completion, students should be able to demonstrate how to produce small batches of craft beer and be able to extrapolate concepts to larger future production.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

BDF115 - Applied Craft Bev Microbiology

Overview

Subject code	Course Number	Department(s)
BDF	115	Brewing Programs

Description

This course provides an introduction to, microbiology and laboratory practices in the, brewing industry. Emphasis is placed on yeast, biology, fermentation, and microorganisms in, brewery/distillation and sanitation. Upon, completion, students should be able to demonstrate, an understanding of microbiology, laboratory, techniques, and commonly used analysis, methodologies applied in the brewing industry.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BDF115 - Applied Craft Bev Microbiology recommends complteion of BDF111 AND BDF125 AND MAT110

Type

Completion Requirement

Course BDF115 - Applied Craft Bev Microbiology recommends complteion of BDF111 AND BDF125 AND MAT110

Requisite Condition Not Found

Additional Comments:

Course BDF115 - Applied Craft Bev Microbiology recommends the completion of Course(s) BDF111 AND BDF125 AND MAT110 before enrolling.

BDF117 - Distillation Methods

Overview

Subject code	Course Number	Department(s)
BDF	117	Brewing Programs

Description

This course introduces entry level skills in craft distilling. Emphasis is placed on distillate production on small scale equipment, sanitation, cereal, molasses and fruit fermentations and how to purify ferments via distillation. Upon completion, students should be able to demonstrate how to produce small batches of distillate and be able to extrapolate concepts to larger production.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Advisor approval
Type
Prerequisite

Complete ALL of the following :

BDF125 - Bev Tech & Calculations

Overview

Subject code	Course Number	Department(s)
BDF	125	Brewing Programs

Description

This course introduces technology and mathematical calculations used in craft beverage production. Emphasis is placed on equipment and technology relating to scheduling/record keeping, and recipe development/alcohol control and ingredient usage calculations. Upon completion, students should be able to identify/demonstrate technology and equipment used in craft beverage production and recipe development.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course BDF125 - Bev Tech & Calculations requires MAT110
Type
Prerequisite

[object Object]

Additional Comments:
Course BDF125 - Bev Tech & Calculations requires the Course(s) MAT110 to be completed as a Prerequisite or taken in parallel as a Corequisite.

BDF175 - Distillation Operations

Overview

Subject code	Course Number	Department(s)
BDF	175	Brewing Programs

Description

This course covers the principles and production techniques involved in the distillation of grains, fruits, and other carbohydrates associated with craft beverage distillation. Emphasis is placed on materials/processing, fermentation applications, distillation technology, sensory evaluation, quality control, engineering, and craft distillery management. Upon completion, students should be able to demonstrate an understanding of distillation operation/management and the impact of sanitation, fermentation, maturation and aging in the production of distillations.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

BDF180 - Sensory Evaluation

Overview

Subject code	Course Number	Department(s)
BDF	180	Brewing Programs

Description

This course introduces the visual, olfactory, and gustatory parameters used in the evaluation of beer and distillery products. Emphasis is placed on aromas, finish, flavor/taste interactions, and factors affecting product quality, as well as descriptive analysis/model systems, judging systems, set-up, and operation for beverage competitions. Upon completion, students should be able to demonstrate the fundamental principles/practices in sensory analysis and identify elements that influence sensory qualities of particular craft beverages.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BDF225 - Filtration & Finishing

Overview

Subject code	Course Number	Department(s)
BDF	225	Brewing Programs

Description

This course covers processing/conditioning factors, that affect the end quality and shelf life of, fermented craft beverages. Topics include, types/operation of filters, natural/forced, carbonation, clarification, lagering, additives, and product stabilization for packaging. Upon, completion, students should be able to demonstrate, an understanding of the processes associated with, filtration, carbonation and finishing and their, impact on the end product.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BDF225 - Filtration & Finishing recommends complteion of BDF111 AND BDF125 AND MAT110

Type

Completion Requirement

Course BDF225 - Filtration & Finishing recommends complteion of BDF111 AND BDF125 AND MAT110

Requisite Condition Not Found

Additional Comments:

Course BDF225 - Filtration & Finishing recommends the completion of Course(s) BDF111 AND BDF125 AND MAT110 before enrolling.

BDF230 - Advanced Brewing

Overview

Subject code	Course Number	Department(s)
BDF	230	Brewing Programs

Description

This course covers advanced brewing processes, utilizing the equipment of an on-site brewery and, fermentation facility. Topics include advanced, beer making processes, analysis/monitoring of, fermentation, specialty beer production, quality, control, sustainable practices and facilities, operations and management. Upon completion, students should be able to understand and, demonstrate the proper applications of high volume, brewing in a production facility.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BDF230 - Advanced Brewing requires BDF114 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- BDF114 - Craft Beer Brewing

Additional Comments:

Course BDF230 - Advanced Brewing requires the Course(s) BDF114 to be completed as a Prerequisite.

BDF236 - Brewing/Packaging Maintenance

Overview

Subject code	Course Number	Department(s)
BDF	236	Brewing Programs

Description
This course covers the equipment in a brewing, distillation and fermentation facility and the, techniques used for maintenance and, troubleshooting. Topics include types of, equipment, the role of equipment used in filling, and packaging, troubleshooting, and the role of a, maintenance technician. Upon completion, students, should be able to set up, maintain and, troubleshoot equipment in a brewing, distillation, and fermentation facility using techniques, appropriate for the industry.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BDF236 - Brewing/Packaging Maintenance recommends complteion of BDF111 AND BDF125 AND MAT110
Type
Completion Requirement

Course BDF236 - Brewing/Packaging Maintenance recommends complteion of BDF111 AND BDF125 AND MAT110

Requisite Condition Not Found

Additional Comments:
Course BDF236 - Brewing/Packaging Maintenance recommends the completion of Course(s) BDF111 AND BDF125 AND MAT110 before enrolling.

BDF240 - Seasonal Beer Production

Overview

Subject code	Course Number	Department(s)
BDF	240	Brewing Programs

Description
This course covers the brewing of seasonal and specialty beers using advanced brewing techniques. Topics include original recipe development, lab analysis, production techniques and packaging. Upon completion, students should be able to develop original recipes for seasonal and specialty beers, and provide analysis, production and packaging.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BDF240 - Seasonal Beer Production recommends complteion of BDF111 AND BDF125 AND MAT110
Type
Completion Requirement

Course BDF240 - Seasonal Beer Production recommends complteion of BDF111 AND BDF125 AND MAT110

Requisite Condition Not Found

Additional Comments:
Course BDF240 - Seasonal Beer Production recommends the completion of Course(s) BDF111 AND BDF125 AND MAT110 before enrolling.

BIO110 - Principles of Biology

Overview

Subject code	Course Number	Department(s)
BIO	110	Transfer Programs

Description

This course provides a survey of fundamental biological principles for non-science majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

BIO111 - General Biology I

Overview

Subject code	Course Number	Department(s)
BIO	111	B, I, Transfer Programs, O

Description

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, molecular and cellular biology, metabolism and energy transformation, genetics, evolution, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels. Some online sections may require proctored exams.

For BIO 111 fully online sections, a nominal cost for household items may be required. Online students will need to have a place where they can work safely away from pets and small children with access to water, ice, a freezer, a lamp or other light source, and measuring and cutting utensils.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

BIO112 - General Biology II

Overview

Subject code	Course Number	Department(s)
BIO	112	Transfer Programs

Description

This course is a continuation of BIO 111. Emphasis is placed on organisms, evolution, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

BIO112 requires completion of BIO111 before enrolling
Type
Completion Requirement

BIO140 - Environmental Biology

Overview

Subject code	Course Number	Department(s)
BIO	140	Transfer Programs

Description

This course introduces environmental processes and, the influence of human activities upon them, Topics include ecological concepts, population, growth, natural resources, and a focus on current, environmental problems from scientific, social, political, and economic perspectives. Upon, completion, students should be able to demonstrate, an understanding of environmental, interrelationships and of contemporary, Some online sections may require proctored exams.environmental issues.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BIO140 - Environmental Biology requires BIO140A
Type
Prerequisite

[object Object]

Additional Comments:
Course BIO140 - Environmental Biology requires the Course(s) BIO140A to be completed as a Prerequisite or taken in parallel as a Corequisite.

BIO140A - Environmental Biology Lab

Overview

Subject code	Course Number	Department(s)
BIO	140A	Transfer Programs

Description

This course provides a laboratory component to, complement BIO 140. Emphasis is placed on, laboratory and field experience. Upon completion, students should be able to demonstrate a practical, understanding of environmental interrelationships, and of contemporary environmental issues. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course BIO140A - Environmental Biology Lab requires BIO140
Type
Prerequisite

[object Object]

Additional Comments:
Course BIO140A - Environmental Biology Lab requires the Course(s) BIO140 to be completed as a Prerequisite or taken in parallel as a Corequisite.

BIO145 - Ecology

Overview

Subject code	Course Number	Department(s)
BIO	145	Transfer Programs

Description

This course provides an introduction to ecological, concepts using an ecosystems approach. Topics, include energy flow, nutrient cycling, succession, population dynamics, community structure, and, other related topics. Upon completion, students, should be able to demonstrate comprehension of, basic ecosystem structure and dynamics. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BIO145 - Ecology requires BIO110 or BIO111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- BIO110 - Principles of Biology

OR

Additional Comments:
Course BIO145 - Ecology requires the Course(s) BIO110 or BIO111 to be completed as a Prerequisite.

BIO163 - Basic Anatomy & Physiology

Overview

Subject code	Course Number	Department(s)
BIO	163	Transfer Programs

Description

This course provides a basic study of the, structure and function of the human body. Topics, include a basic study of the body systems as well, as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes, Upon completion, students should be able to, demonstrate a basic understanding of the, fundamental principles of anatomy and physiology, and their interrelationships. This course has, been approved to satisfy the Comprehensive, Articulation Agreement pre-major and/or elective, course requirement. Lab fee req. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

BIO165 - Anatomy and Physiology I

Overview

Subject code	Course Number	Department(s)
BIO	165	Transfer Programs

Description

This course is the first of a two-course sequence, which provides a comprehensive study of the, anatomy and physiology of the human body. Topics, include the structure, function, and, interrelationship of organ systems with emphasis, on the processes which maintain homeostasis. Upon, completion, students should be able to demonstrate, an in-depth understanding of principles of anatomy, and physiology and their interrelationships. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

BIO166 - Anatomy and Physiology II

Overview

Subject code	Course Number	Department(s)
BIO	166	Transfer Programs

Description

This course is the second in a two-course sequence, which provides a comprehensive study of the, anatomy and physiology of the human body. Topics, include the structure, function, and, interrelationship of organ systems with emphasis, on the processes which maintain homeostasis. Upon, completion, students should be able to demonstrate, an in-depth understanding of principles of anatomy, and physiology and the interrelationships of all body systems. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BIO166 - Anatomy and Physiology II requires BIO165 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- BIO165 - Anatomy and Physiology I

Additional Comments:

Course BIO166 - Anatomy and Physiology II requires the Course(s) BIO165 to be completed as a Prerequisite.

BIO168 - Anatomy and Physiology I

Overview

Subject code	Course Number	Department(s)
BIO	168	Transfer Programs

Description

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary, skeletal, muscular, and nervous systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

BIO169 - Anatomy and Physiology II

Overview

Subject code	Course Number	Department(s)
BIO	169	Transfer Programs

Description

This course provides a continuation of the comprehensive study of the anatomy and physiology of the human body. Topics include the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as metabolism, nutrition, acid-base balance, and fluid and electrolyte balance. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BIO169 - Anatomy and Physiology II requires BIO168 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- BIO168 - Anatomy and Physiology I

Additional Comments:
Course BIO169 - Anatomy and Physiology II requires the Course(s) BIO168 to be completed as a Prerequisite.

BIO175 - General Microbiology

Overview

Subject code	Course Number	Department(s)
BIO	175	Transfer Programs

Description

This course covers principles of microbiology with, emphasis on microorganisms and human disease, Topics include an overview of microbiology and, aspects of medical microbiology, identification, and control of pathogens, disease transmission, host resistance, and immunity. Upon completion, students should be able to demonstrate knowledge, of microorganisms and the disease process as well, as aseptic and sterile techniques. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BIO175 - General Microbiology requires BIO110 OR BIO111 OR BIO163 OR BIO165 OR BIO168 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- BIO110 - Principles of Biology
  OR
  OR BIO163 - Basic Anatomy & Physiology
  OR BIO165 - Anatomy and Physiology I
  OR BIO168 - Anatomy and Physiology I

Additional Comments:

Course BIO175 - General Microbiology requires the Course(s) BIO110 OR BIO111 OR BIO163 OR BIO165 OR BIO168 to be completed as a Prerequisite.

BIO240 - Waste Management

Overview

Subject code
BIO

Course Number
240

Description
This course is a study of human use of and impact, on the environment. Topics include how human, activities can negatively affect the land and, water and how to avoid and cope with waste, problems. Upon completion, students should be, able to identify both hazardous and nonhazardous, waste products and solutions for their management. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BIO240 - Waste Management requires BIO110 OR BIO111 OR (BIO140 AND BIO140A) be completed before enrolling.
Type
Prerequisite

Course BIO240 - Waste Management requires BIO110 OR BIO111 OR (BIO140 AND BIO140A) be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course BIO240 - Waste Management requires the Course(s) BIO110 OR BIO111 OR (BIO140 AND BIO140A) to be completed as a Prerequisite.

BIO242 - Natural Resource Conservation

Overview

Subject code	Course Number	Department(s)
BIO	242	Transfer Programs

Description
This course covers the importance of natural, resources and their role in our environment, Emphasis is placed on the physical, biological, and ecological principles underlying natural, resource conservation with attention to the, biological consequences of human impacts. Upon, completion, students should be able to demonstrate, an understanding of natural resource conservation. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BIO242 - Nat Resource Conservation requires BIO112 OR (BIO140 and BIO140A) be completed before enrolling.
Type
Prerequisite

Course BIO242 - Nat Resource Conservation requires BIO112 OR (BIO140 and BIO140A) be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course BIO242 - Nat Resource Conservation requires the Course(s) BIO112 OR (BIO140 and BIO140A) to be completed as a Prerequisite.

BIO275 - Microbiology

Overview

Subject code	Course Number	Department(s)
BIO	275	Transfer Programs

Description
This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial pathogenicity, infectious diseases, immunology, and selected practical applications. Upon completion, students should be able to demonstrate knowledge and skills including microscopy, aseptic technique, staining, culture methods, and identification of microorganisms. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course BIO275 - Microbiology requires BIO110 OR BIO111 OR BIO163 OR BIO165 OR BIO168 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- BIO110 - Principles of Biology
  OR
  OR BIO163 - Basic Anatomy & Physiology
  OR BIO165 - Anatomy and Physiology I
  OR BIO168 - Anatomy and Physiology I

Additional Comments:
Course BIO275 - Microbiology requires the Course(s) BIO110 OR

BIO111 OR BIO163 OR BIO165 OR BIO168 to be completed as a Prerequisite.

Course BIO275 - Microbiology requires BIO 110, BIO 111, BIO 163, BIO 165, or BIO 168 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- BIO168 - Anatomy and Physiology I

Additional Comments:
Course BIO275 - Microbiology requires the Course(s) BIO 110, BIO 111, BIO 163, BIO 165, or BIO 168 to be completed as a Prerequisite.

BPR111 - Print Reading

Overview

Subject code	Course Number	Department(s)
BPR	111	Engineering Programs

Description
This course introduces the basic principles of print reading. Topics include line types, orthographic projections, dimensioning methods, and notes. Upon completion, students should be able to interpret basic prints and visualize the features of a part or system. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

BPR121 - Blueprint Reading-Mech

Overview

Subject code	Course Number	Department(s)
BPR	121	Engineering Programs

Description
This course covers the interpretation of intermediate blueprints. Topics include tolerancing, auxiliary views, sectional views, and assembly drawings. Upon completion, students should be able to read and interpret a mechanical working drawing.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course BPR121 - Blueprint Reading-Mech requires BPR 111 or MAC131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- BPR111 - Print Reading
  OR MAC131 - Blueprint Reading/Machining I

Additional Comments:
Course BPR121 - Blueprint Reading-Mech requires the Course(s) BPR 111 or MAC131 to be completed as a Prerequisite.

Course BPR121 - Blueprint Reading-Mech requires BPR111 or MAC131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- BPR111 - Print Reading
  OR MAC131 - Blueprint Reading/Machining I

Additional Comments:
Course BPR121 - Blueprint Reading-Mech requires the Course(s) BPR111 or MAC131 to be completed as a Prerequisite.

BSP4002 - Transition English

Overview

Subject code	Course Number	Department(s)
BSP	4002	Transfer Programs

Description
Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

144

Clinic Hours

0

Work Exp Hours

0

Credit Hours

0

BSP4003 - Transition Math

Overview

Subject code	Course Number	Department(s)
BSP	4003	General Education, Transfer Programs

Description
Some online sections may require proctored exams.

Credits

Class Hours

144

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

0

BUS110 - Introduction to Business

Overview

Subject code	Course Number	Department(s)
BUS	110	Business Programs

Description

This course provides a survey of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS115 - Business Law I

Overview

Subject code	Course Number	Department(s)
BUS	115	Business Programs

Description

This course introduces the student to the legal and ethical framework of business. Contracts, negotiable instruments, the law of sales, torts, crimes, constitutional law, the Uniform Commercial Code, and the court systems are examined. Upon completion the student should be able to identify legal and ethical issues that arise in business decisions and the laws that apply to them. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS116 - Business Law II

Overview

Subject code	Course Number	Department(s)
BUS	116	Business Programs

Description

This course includes the study of the legal and, ethical framework of business. Business, Organizations, property law, intellectual, property law, agency and employment law, consumer, law, secured transactions, and bankruptcy are, examined. Upon completion, the student should be, able to identify legal and ethical issues that, arise in business decisions and the laws that, apply to them. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BUS116 - Business Law II requires BUS115 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- BUS115 - Business Law I

Additional Comments:

Course BUS116 - Business Law II requires the Course(s) BUS115 to be completed as a Prerequisite.

BUS125 - Personal Finance

Overview

Subject code	Course Number	Department(s)
BUS	125	Business Programs

Description

This course provides a study of individual and family financial decisions. Emphasis is placed on building useful skills in buying, managing finances, increasing resources, and coping with current economic conditions. Upon completion, students should be able to develop a personal financial plan. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS137 - Principles of Management

Overview

Subject code	Course Number	Department(s)
BUS	137	Business Programs

Description

This course is designed to be an overview of the major functions of management. Emphasis is placed on planning, organizing, controlling, directing, and communicating. Upon completion, students should be able to work as contributing members of a team utilizing these functions of management. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS139 - Entrepreneurship I

Overview

Subject code	Course Number	Department(s)
BUS	139	Business Programs

Description

This course provides an introduction to the principles of entrepreneurship. Topics include self-analysis of entrepreneurship readiness, the role of entrepreneur in economic development, legal problems, organizational structure, sources of financing, budgeting, and cash flow. Upon completion, students should have an understanding of the entrepreneurial process and issues faced by entrepreneurs. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS153 - Human Resource Management

Overview

Subject code	Course Number	Department(s)
BUS	153	Business Programs

Description
This course introduces the functions of personnel/human resource management within an organization. Topics include equal opportunity and the legal environment, recruitment and selection, performance appraisal, employee development, compensation planning, and employee relations. Upon completion, students should be able to anticipate and resolve human resource concerns. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS225 - Business Finance

Overview

Subject code	Course Number	Department(s)
BUS	225	Business Programs

Description
This course provides an overview of business financial management. Emphasis is placed on financial statement analysis, time value of money, management of cash flow, risk and return, and sources of financing. Upon completion, students should be able to interpret and apply the principles of financial management. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course BUS225 - Business Finance requires ACC120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ACC120 - Principles of Financial Accounting

Additional Comments:
Course BUS225 - Business Finance requires the Course(s) ACC120 to be completed as a Prerequisite.

BUS228 - Business Statistics

Overview

Subject code	Course Number	Department(s)
BUS	228	Business Programs

Description

This course introduces the use of statistical, methods and tools in evaluating research data for, business applications. Emphasis is placed on, basic probability, measures of spread and, dispersion, central tendency, sampling, regression, analysis, and inductive inference. Upon, completion, students should be able to apply, statistical problem solving to business. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS230 - Small Business Management

Overview

Subject code	Course Number	Department(s)
BUS	230	Business Programs

Description

This course introduces the challenges of entrepreneurship including the startup and operation of a small business. Topics include market research techniques, feasibility studies, site analysis, financing alternatives, and managerial decision making. Upon completion, students should be able to develop a small business plan. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS239 - Business Applications Seminar

Overview

Subject code	Course Number	Department(s)
BUS	239	Business Programs

Description

This course is designed as a capstone course for, Business Administration majors. Emphasis is, placed on decision making in the areas of, management, marketing, production, purchasing, and, finance. Upon completion, students should be able, to apply the techniques, processes, and vital, professional skills needed in the work place. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course BUS239 - Bus Applications Seminar requires (ACC120 AND BUS115 AND BUS137 AND MKT120 AND ECO151) or (ACC120 AND BUS115 AND BUS137 AND MKT120 AND ECO251) or (ACC120 AND BUS115 AND BUS137 AND MKT120 AND ECO252) be completed before enrolling.

Type

Prerequisite

Fulfill ANY of the following requirements:

BUS240 - Business Ethics

Overview

Subject code	Course Number	Department(s)
BUS	240	Business Programs

Description

This course introduces contemporary and controversial ethical issues that face the business community. Topics include moral reasoning, moral dilemmas, law and morality, equity, justice and fairness, ethical standards, and moral development. Upon completion, students should be able to demonstrate an understanding of their moral responsibilities and obligations as members of the workforce and society. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS245 - Entrepreneurship II

Overview

Subject code	Course Number	Department(s)
BUS	245	Business Programs

Description

This course is designed to allow the student to develop a business plan. Topics include the need for a business plan, sections of the plan, writing the plan, and how to find assistance in preparing the plan. Upon completion, students should be able to design and implement a business plan based on sound entrepreneurship principles. Some online sections may require proctored exams. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

BUS245 requires BUS139 be completed before enrolling
Type
Completion Requirement

State Prerequisite

Complete ALL of the following Courses:

- BUS139 - Entrepreneurship I

BUS270 - Professional Development

Overview

Subject code	Course Number	Department(s)
BUS	270	Business Programs

Description

This course provides basic knowledge of self-improvement techniques as related to success in the professional world. Topics include positive human relations, job-seeking skills, and projecting positive self-image. Upon completion, students should be able to demonstrate competent personal and professional skills necessary to get and keep a job. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

BUS280 - REAL Small Business

Overview

Subject code	Course Number
BUS	280

Description

This course introduces hands-on techniques and, procedures for planning and opening a small, business, including the personal qualities needed, for entrepreneurship. Emphasis is placed on, market research, finance, time management, and, day-to-day activities of owning/ operating a small, business. Upon completion, students should be, able to write and implement a viable business plan, and seek funding. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

CEG111 - Introduction to GIS and GNSS

Overview

Subject code	Course Number	Department(s)
CEG	111	Engineering Programs

Description

This course introduces the methods and techniques used in the Geographic Information Systems (GIS) and Global Navigation Satellite Systems (GNSS) professions. Emphasis is placed on data collection and mapping using GIS software. Upon completion, students should be able to use GNSS technologies to collect field data and create GIS maps. Some online sections may require proctored exams.
Competencies
·Student Learning Outcomes
1. Utilize GNSS technologies to collect field data
2. Create GIS maps.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

CEG115 - Introduction to Tech & Sustainability

Overview

Subject code	Course Number	Department(s)
CEG	115	Engineering Programs

Description

This course introduces basic skills, sustainability concepts and career fields for technicians. Topics include career options, technical vocabulary, dimensional analysis, measurement systems, engineering graphics, professional ethics, and related topics. Upon completion, students should be able to identify drawing elements and create sketches, perform basic engineering computations and identify measures of sustainable development. Some online sections may require proctored exams.
Competencies
·Student Learning Outcomes
1. Identify drawing elements and create sketches.
2. Perform basic engineering computations.
3. Identify measures of sustainable development.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CEG210 - Construction Materials & Methods

Overview

Subject code	Course Number	Department(s)
CEG	210	Engineering Programs

Description

This course covers the behavior and properties of Portland cement, asphaltic concretes, and other construction materials, including construction methods and equipment. Topics include cementing agents, aggregates, water and admixture materials with their proportions, production, placement, consolidation, curing; and their inspection. Upon completion, students should be able to proportion Portland concrete mixes to attain predetermined strengths, perform standard control tests on Portland cement concrete, identify inspection criteria for concretes, identify construction equipment and applications. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CEG211 - Hydrology & Erosion Control

Overview

Subject code	Course Number	Department(s)
CEG	211	Engineering Programs

Description

This course introduces basic engineering principles and characteristics of hydrology, erosion and sediment control. Topics include stormwater runoff, gravity pipe flow, open channel flow, low impact development (LID), erosion control devices and practices. Upon completion, students should be able to analyze and design gravitational drainage structures, identify LID and erosion control elements, and prepare a stormwater drainage plan. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CEG211 requires MAT171 be completed before enrolling
Type
Prerequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra

CEG212 - Introduction to Environmental Technology

Overview

Subject code	Course Number	Department(s)
CEG	212	Engineering Programs

Description

This course introduces basic engineering principles of hydraulics, and water and wastewater technologies. Topics include fluid statics, fluid dynamics, flow measurement, the collection, treatment, and distribution of water and wastewater. Upon completion, students should be able to identify water and wastewater system elements, describe water and wastewater system processes and perform basic hydraulics and treatment computations. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CEG212 requires EGR250 be completed before enrolling
Type
Prerequisite

Complete ALL of the following Courses:
- EGR250 - Statics/Strength of Mater

CEG230 - Subdivision Planning & Design

Overview

Subject code	Course Number	Department(s)
CEG	230	Engineering Programs

Description

This course covers the planning and design concepts related to subdivisions including analysis of development standards, engineering, and the creation of CAD drawings. Topics include applicable codes, lot creation, roadway system layout, stormwater drainage, low impact development (LID) concepts, and related topics. Upon completion, students should be able to prepare a set of subdivision plans. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CEG230 requires DFT151 and CEG211 be completed before enrolling
Type
Prerequisite

Complete ALL of the following Courses:
- DFT151 - CAD I
- CEG211 - Hydrology & Erosion Control

Complete at least 1 of the following courses:
- SRV111 - Surveying II
- CIV215 - Highway Technology

Additional Comments:

BOTH STATEMENTS ARE REQUIRED TO BE MET.		

CEG235 - Project Management & Estimating

Overview

Subject code	Course Number	Department(s)
CEG	235	Engineering Programs

Description

This course covers planning and estimating practices which are applicable to the civil engineering and related construction industries. Emphasis is placed on construction project planning and management, material take-offs labor and equipment requirements in accordance with industry formats, and other economic topics. Upon completion, students should be able to accurately complete material take-offs, prepare cost estimates, and prepare construction schedules. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CEG235 requires prerequisite of CEG115 and EGR125
Type
Prerequisite

Complete ALL of the following Courses:
- CEG115 - Introduction to Tech & Sustainability
- EGR125 - Applications Software for Technology

CHM92 - Fundamentals of Chemistry

Overview

Subject code	Course Number
CHM	92

Description

This course covers fundamentals of chemistry with, laboratory applications. Topics include, measurements, matter, energy, atomic theory, bonding, molecular structure, nomenclature, balancing equations, stoichiometry, solutions, acids and bases, gases, and basic organic, chemistry. Upon completion, students should be, able to understand and apply basic chemical, concepts and demonstrate basic laboratory skills, necessary for success in college-level science, courses. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

CHM092 - Fundamentals of Chemistry

Overview

Subject code	Course Number	Department(s)
CHM	092	Transfer Programs

Description

This course covers fundamentals of chemistry with laboratory applications. Topics include measurements, matter, energy, atomic theory, bonding, molecular structure, nomenclature, balancing equations, stoichiometry, solutions, acids and bases, gases, and basic organic chemistry. Upon completion, students should be able to understand and apply basic chemical concepts and demonstrate basic laboratory skills necessary for success in college-level science courses. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

CHM130 - Gen, Org, and Biochemistry

Overview

Subject code	Course Number	Department(s)
CHM	130	Transfer Programs

Description

This course provides a survey of basic facts and principles of general, organic, and biochemistry. Topics include measurement, molecular structure, nuclear chemistry, solutions, acid-base chemistry, gas laws, and the structure, properties, and reactions of major organic and biological groups. Upon completion, students should be able to demonstrate an understanding of fundamental chemical concepts.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

No Requirements

CHM130A - General, Organic, and Biochemistry Lab

Overview

Subject code	Course Number	Department(s)
CHM	130A	Transfer Programs

Description

This course is a laboratory for CHM 130. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 130. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 130. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

No Requirements

CHM131 - Introduction to Chemistry

Overview

Subject code	Course Number	Department(s)
CHM	131	Transfer Programs

Description

This course introduces the fundamental concepts of inorganic chemistry. Topics include measurement, matter and energy, atomic and molecular structure, nuclear chemistry, stoichiometry, chemical formulas and reactions, chemical bonding, gas laws, solutions, and acids and bases. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CHM131 requires prerequisite of MAT070 and a corequisite of CHM131A
Type
Prerequisite

Course CHM131 - Introduction to Chemistry requires be completed before enrolling.

Complete ALL of the following Courses:

No selection provided

CHM131A - Introduction to Chemistry Lab

Overview

Subject code	Course Number	Department(s)
CHM	131A	Transfer Programs

Description

This course is a laboratory to accompany CHM 131. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 131. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 131. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course CHM131A - Intro to Chemistry Lab requires CHM131
Type
Prerequisite

[object Object]

Additional Comments:
Course CHM131A - Intro to Chemistry Lab requires the Course(s) CHM131 to be completed as a Prerequisite or taken in parallel as a Corequisite.

CHM132 - Organic and Biochemistry

Overview

Subject code	Course Number	Department(s)
CHM	132	Transfer Programs

Description
This course provides a survey of major functional, classes of compounds in organic and biochemistry, Topics include structure, properties, and, reactions of the major organic and biological, molecules and basic principles of metabolism, Upon completion, students should be able to, demonstrate an understanding of fundamental, chemical concepts needed to pursue studies in, related professional fields. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course CHM132 - Organic and Biochemistry requires (CHM131 AND CHM131A) or CHM151 be completed before enrolling.
Type
Prerequisite

Course CHM132 - Organic and Biochemistry requires (CHM131 AND CHM131A) or CHM151 be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course CHM132 - Organic and Biochemistry requires the Course(s) (CHM131 AND CHM131A) or CHM151 to be completed as a Prerequisite.

Course CHM132 - Organic and Biochemistry requires (CHM131 and CHM131A) OR CHM151 be completed before enrolling.
Type
Prerequisite

Course CHM132 - Organic and Biochemistry requires (CHM131 and CHM131A) OR CHM151 be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course CHM132 - Organic and Biochemistry requires the Course(s) (CHM131 and CHM131A) OR CHM151 to be completed as a Prerequisite.

CHM151 - General Chemistry I

Overview

Subject code	Course Number	Department(s)
CHM	151	Transfer Programs

Description
This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course CHM151 - General Chemistry I requires DMA 010 - DMA 080 or MAT 003 P3 or BSP 4003 P3 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course CHM151 - General Chemistry I requires the Course(s) DMA 010 - DMA 080 or MAT 003 P3 or BSP 4003 P3 to be completed as a Prerequisite.

HS Chemistry Requirement
Type
Prerequisite

Take either CHM-092 or Take CHM-131/131A

Earn at least 4 credits from the following:

- CHM92 - Fundamentals of Chemistry
- CHM131 - Introduction to Chemistry
- CHM131A - Introduction to Chemistry Lab

CHM152 - General Chemistry II

Overview

Subject code	Course Number	Department(s)
CHM	152	Transfer Programs

Description

This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions. Upon completion, students should be able to demonstrate an understanding of chemical concepts as needed to pursue further study in chemistry and related professional fields. Some online sections may require proctored exams. It is recomended for students to take an in person class if they are going to continue on to organic chemistry.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course CHM152 - General Chemistry II requires CHM151 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CHM151 - General Chemistry I

Additional Comments:
Course CHM152 - General Chemistry II requires the Course(s) CHM151 to be completed as a Prerequisite.

CHM251 - Organic Chemistry I

Overview

Subject code	Course Number	Department(s)
CHM	251	Transfer Programs

Description

This course provides a systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of hydrocarbons, alkyl halides, alcohols, and ethers; further topics include isomerization, stereochemistry, and spectroscopy. Upon completion, students should be able to demonstrate an understanding of the fundamental concepts of covered organic topics as needed in CHM 252. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course CHM251 - Organic Chemistry I requires CHM152 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CHM152 - General Chemistry II

Additional Comments:
Course CHM251 - Organic Chemistry I requires the Course(s) CHM152 to be completed as a Prerequisite.

CHM252 - Organic Chemistry II

Overview

Subject code	Course Number	Department(s)
CHM	252	Transfer Programs

Description

This course provides continuation of the systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of aromatics, aldehydes, ketones, carboxylic acids and derivatives, amines and heterocyclics; multi-step synthesis will be emphasized. Upon completion, students should be able to demonstrate an understanding of organic concepts as needed to pursue further study in chemistry and related professional fields. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course CHM252 - Organic Chemistry II requires CHM251 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- CHM251 - Organic Chemistry I

Additional Comments:

Course CHM252 - Organic Chemistry II requires the Course(s) CHM251 to be completed as a Prerequisite.

CIS110 - Introduction to Computers

Overview

Subject code	Course Number	Department(s)
CIS	110	Business Programs

Description

This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CIS115 - Introduction to Programming & Logic

Overview

Subject code	Course Number	Department(s)
CIS	115	Business Programs

Description
This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to use top-down algorithm design and implement algorithmic solutions in a programming language. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course CIS115 - Intro to Prog & Logic requires MAT 003 OR BSP 4003 OR MAT 171 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT003 - Transition Math
  OR BSP4003 - Transition Math
  OR MAT171 - Precalculus Algebra

Additional Comments:
Course CIS115 - Intro to Prog & Logic requires the Course(s) MAT 003 OR BSP 4003 OR MAT 171 to be completed as a Prerequisite.

Course CIS115 - Intro to Prog & Logic requires MAT003P2 OR BSP4003P2 OR MAT121 OR MAT171 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra

Additional Comments:
Course CIS115 - Intro to Prog & Logic requires the Course(s) MAT003P2 OR BSP4003P2 OR MAT121 OR MAT171 to be completed as a Prerequisite.

Course CIS115 - Intro to Prog & Logic requires (DMA010 AND DMA020 AND DMA030 AND DMA040) OR (DMA025 AND DMA040) OR MAT121 OR MAT171 OR MAT003 OR BSP4003 be completed before enrolling.
Type
Prerequisite

Course CIS115 - Intro to Prog & Logic requires (DMA010 AND DMA020 AND DMA030 AND DMA040) OR (DMA025 AND DMA040) OR MAT121 OR MAT171 OR MAT003 OR BSP4003 be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course CIS115 - Intro to Prog & Logic requires the Course(s) (DMA010 AND DMA020 AND DMA030 AND DMA040) OR (DMA025 AND DMA040) OR MAT121 OR MAT171 OR MAT003 OR BSP4003 to be completed as a Prerequisite.

CIV111 - Soils and Foundations

Overview

Subject code	Course Number	Department(s)
CIV	111	Engineering Programs

Description

This course presents an overview of soil as a construction material using both analysis and testing procedures. Topics include index properties, classification, stress analysis, compressibility, compaction, dewatering, excavation, stabilization, settlement, and foundations. Upon completion, students should be able to perform basic soil tests and analyze engineering properties of soil. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

CIV111 requires prerequisite of EGR250
Type
Prerequisite

Complete ALL of the following Courses:
- EGR250 - Statics/Strength of Mater

CIV125 - Civil/Surveying CAD

Overview

Subject code	Course Number	Department(s)
CIV	125	Engineering Programs

Description

This course introduces civil/surveying computer-aided drafting (CAD) software. Topics include drawing, editing, and dimensioning commands; plotting; and other related civil/surveying topics. Upon completion, students should be able to produce civil/surveying drawings using CAD software. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CIV125 requires prerequisite of DFT151
Type
Completion Requirement

Complete ALL of the following Courses:
- DFT151 - CAD I

CIV215 - Highway Technology

Overview

Subject code	Course Number	Department(s)
CIV	215	Engineering Programs

Description

This course introduces the essential elements of roadway components and design. Topics include subgrade and pavement construction, roadway drawings and details, traffic analysis, geometric design and other related topics. Upon completion, students should be able to interpret roadway details and specifications, and produce street and highway construction drawings. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CIV215 requires prerequisites of CEG115 and MAT171
Type
Prerequisite

Complete ALL of the following Courses:

- CEG115 - Introduction to Tech & Sustainability
- MAT171 - Precalculus Algebra

CIV220 - Basic Structural Concepts

Overview

Subject code	Course Number	Department(s)
CIV	220	Engineering Programs

Description

This course covers the historical perspective of structures as well as types, materials, common elements, and mechanical principles of structures. Topics include basic structure shapes, advantages and disadvantages of standard building materials, application of structural concepts, and other related topics. Upon completion, students should be able to demonstrate an understanding of basic structural concepts. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

CIV220 requires prerequisite of EGR250
Type
Completion Requirement

Complete ALL of the following Courses:

- EGR250 - Statics/Strength of Mater

CIV250 - Civil Engineering Technology Project

Overview

Subject code	Course Number	Department(s)
CIV	250	Engineering Programs

Description

This course includes an integrated team approach to civil engineering technology projects. Emphasis is placed on project proposal, site selection, analysis/design of structures, construction material selection, time and cost estimating, planning, and management of a project. Upon completion, students should be able to apply team concepts, prepare estimates, submit bid proposals, and manage projects. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Chair Approval
Type
Prerequisite

Chair Approval Required

Additional Comments:
Chair Approval Required

CJC111 - Introduction to Criminal Justice

Overview

Subject code	Course Number	Department(s)
CJC	111	Public Safety Training Programs

Description

This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. Upon completion, students should be able to define and describe the major system components and their interrelationships and evaluate career options. Civil Engineering Technology Project

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC112 - Criminology

Overview

Subject code	Course Number	Department(s)
CJC	112	Public Safety Training Programs

Description

This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives; and other related topics. Upon completion, students should be able to explain and discuss various theories of crime causation and societal response. . Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC113 - Juvenile Justice

Overview

Subject code	Course Number	Department(s)
CJC	113	Public Safety Training Programs

Description

This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. Upon completion, students should be able to identify/discuss juvenile court structure/procedures, function and jurisdiction of juvenile agencies, processing/detention of juveniles, and case disposition. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC121 - Law Enforcement Operations

Overview

Subject code	Course Number	Department(s)
CJC	121	Public Safety Training Programs

Description

This course introduces fundamental law enforcement operations. Topics include the contemporary evolution of law enforcement operations and related issues. Upon completion, students should be able to explain theories, practices, and issues related to law enforcement operations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC122 - Community Policing

Overview

Subject code	Course Number	Department(s)
CJC	122	Public Safety Training Programs

Description

This course covers the historical, philosophical, and practical dimensions of community policing. Emphasis is placed on the empowerment of police and the community to find solutions to problems by forming partnerships. Upon completion, students should be able to define community policing, describe how community policing strategies solve problems, and compare community policing to traditional policing. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC131 - Criminal Law

Overview

Subject code	Course Number	Department(s)
CJC	131	Public Safety Training Programs

Description

This course covers the history/evolution/principles and contemporary applications of criminal law. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, and other related topics. Upon completion, students should be able to discuss the sources of law and identify, interpret, and apply the appropriate statutes/elements. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC132 - Court Procedure & Evidence

Overview

Subject code	Course Number	Department(s)
CJC	132	Public Safety Training Programs

Description

This course covers judicial structure/process/procedure from incident to disposition, kinds and degrees of evidence, and the rules governing admissibility of evidence in court. Topics include consideration of state and federal courts, arrest, search and seizure laws, exclusionary and statutory rules of evidence, and other related issues. Upon completion, students should be able to identify and discuss procedures necessary to establish a lawful arrest/search, proper judicial procedures, and the admissibility of evidence. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC141 - Corrections

Overview

Subject code	Course Number	Department(s)
CJC	141	Public Safety Training Programs

Description

This course covers the history, major philosophies, components, and current practices and problems of the field of corrections. Topics include historical evolution, functions of the various components, alternatives to incarceration, treatment programs, inmate control, and other related topics. Upon completion, students should be able to explain the various components, processes, and functions of the correctional system. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC144 - Crime Scene Processing

Overview

Subject code	Course Number
CJC	144

Description

This course introduces the theories and practices, of crime scene processing and investigating, Topics include legal considerations at the crime, scene, processing indoor and outdoor scenes, recording, note taking, collection and, preservation of evidence and submission to the, crime laboratory. Upon completion, the student, should be able to evaluate and search various, crime scenes and demonstrate theapprpriate, techniques. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC146 - Trace Evidence

Overview

Subject code
CJC

Course Number
146

Description
This course provides a study of trace evidence as, it relates to forensic science. Topics include, collection, packaging, and preservation of trace, evidence from crime scenes such as bombings, fires, and other scenes. Upon completion, students, should be able to demonstrate the fundamental, concepts of trace evidence collection, preservation and submission to the crime, laboratory. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC151 - Introduction to Loss Prevention

Overview

Subject code
CJC

Course Number
151

Department(s)
Public Safety Training Programs

Description
This course introduces the concepts and methods related to commercial and private security systems. Topics include the historical, philosophical, and legal basis of security, with emphasis on security surveys, risk analysis, and associated functions. Upon completion, students should be able to demonstrate and understand security systems, risk management, and the laws relative to loss prevention. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC170 - Critical Incident Management Public Safety

Overview

Subject code	Course Number	Department(s)
CJC	170	Public Safety Training Programs

Description

This course prepares the student to specialize in, the direct response, operations, and management of, critical incidents. Emphasis is placed upon the, theoretical and applied models to understand and, manage disasters, terrorism, and school/work place, violence. Upon completion, the student should be, able to identify and discuss managerial techniques, legal issues, and response procedures to critical, incidents. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC212 - Ethics & Community Relations

Overview

Subject code	Course Number	Department(s)
CJC	212	Public Safety Training Programs

Description

This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues; and other related topics. Upon completion, students should be able to apply ethical considerations to the decision-making process in identifiable criminal justice situations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC213 - Substance Abuse

Overview

Subject code	Course Number	Department(s)
CJC	213	Public Safety Training Programs

Description

This course is a study of substance abuse in our society. Topics include the history and classifications of drug abuse and the social, physical, and psychological impact of drug abuse. Upon completion, students should be able to identify various types of drugs, their effects on human behavior and society, and treatment modalities. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC215 - Organization & Administration

Overview

Subject code	Course Number	Department(s)
CJC	215	Public Safety Training Programs

Description

This course introduces the components and functions of organization and administration as it applies to the agencies of the criminal justice system. Topics include operations/functions of organizations; recruiting, training, and retention of personnel; funding and budgeting; communications; span of control and discretion; and other related topics. Upon completion, students should be able to identify and discuss the basic components and functions of a criminal justice organization and its administrative operations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC221 - Investigative Principles

Overview

Subject code	Course Number	Department(s)
CJC	221	Public Safety Training Programs

Description

This course introduces the theories and fundamentals of the investigative process. Topics include crime scene/incident processing, information gathering techniques, collection/preservation of evidence, preparation of appropriate reports, court presentations, and other related topics. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and courtroom presentation. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

CJC222 - Criminalistics

Overview

Subject code	Course Number	Department(s)
CJC	222	Public Safety Training Programs

Description

This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC223 - Organized Crime

Overview

Subject code	Course Number	Department(s)
CJC	223	Public Safety Training Programs

Description

This course introduces the evolution of traditional and non-traditional organized crime and its effect on society and the criminal justice system. Topics include identifying individuals and groups involved in organized crime, areas of criminal activity, legal and political responses to organized crime, and other related topics. Upon completion, students should be able to identify the groups and activities involved in organized crime and the responses of the criminal justice system. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC225 - Crisis Intervention

Overview

Subject code	Course Number	Department(s)
CJC	225	Public Safety Training Programs

Description

This course introduces critical incident intervention and management techniques as they apply to operational criminal justice practitioners. Emphasis is placed on the victim/offender situation as well as job-related high stress, dangerous, or problem-solving citizen contacts. Upon completion, students should be able to provide insightful analysis of emotional, violent, drug-induced, and other critical and/or stressful incidents that require field analysis and/or resolution. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC231 - Constitutional Law

Overview

Subject code	Course Number	Department(s)
CJC	231	Public Safety Training Programs

Description

The course covers the impact of the Constitution of the United States and its amendments on the criminal justice system. Topics include the structure of the Constitution and its amendments, court decisions pertinent to contemporary criminal justice issues, and other related topics. Upon completion, students should be able to identify/discuss the basic structure of the United States Constitution and the rights/ procedures as interpreted by the courts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC232 - Civil Liability

Overview

Subject code	Course Number	Department(s)
CJC	232	Public Safety Training Programs

Description

This course covers liability issues for the, criminal justice professional. Topics include, civil rights violations, tort liability, employment issues, and other related topics. Upon, completion, students should be able to explain, civil trial procedures and discuss contemporary, liability issues. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC233 - Correctional Law

Overview

Subject code	Course Number	Department(s)
CJC	233	Public Safety Training Programs

Description

This course introduces statutory/case law pertinent to correctional concepts, facilities, and related practices. Topics include examination of major legal issues encompassing incarceration, probation, parole, restitution, pardon, restoration of rights, and other related topics. Upon completion, students should be able to identify/discuss legal issues which directly affect correctional systems and personnel. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC240 - Law Enforcement Management & Supervision

Overview

Subject code	Course Number	Department(s)
CJC	240	Public Safety Training Programs

Description

This course provides a study of the best known methods and practices of police leadership and management. Topics include the role of the manager in law enforcement, communications, time-management in law enforcement, managing problems, training and law enforcement productivity. Upon completion, students should be able to identify and discuss methods and practices capable of moving law enforcement agencies forward into the twenty-first century. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC241 - Community-Based Corrections

Overview

Subject code	Course Number	Department(s)
CJC	241	Public Safety Training Programs

Description

This course covers programs for convicted, offenders that are used both as alternatives to, incarceration and in post-incarceration, situations. Topics include offenders, diversion, house arrest, restitution, community service, probation and parole, including both public and, private participation, and other related topics, Upon completion, students should be able to, identify/discuss the various programs from the, perspective of the criminal justice professional, the offender, and the community. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC245 - Friction Ridge Analysis

Overview

Subject code	Course Number
CJC	245

Description

This course introduces the basic elements of, fingerprint technology and techniques applicable, to the criminal justice field. Topics include the, history and meaning of fingerprints, pattern types, and classification filing sequence, searching and, referencing. Upon completion, the students should, be able to discuss and demonstrate the fundamental, techniques of basic fingerprint technology. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CJC246 - Advanced Friction Ridge Analysis

Overview

Subject code
CJC

Course Number
246

Description
This course introduces the theories and processes, of advanced friction ridge analysis. Topics, include evaluation of friction ridges, chart, preparation, comparative analysis for values, determination rendering proper identification, chemical enhancement and AFIS preparation and, usage. Upon completion, students must show an, understanding of proper procedures for friction, ridge analysis through written testing and, practical exercises. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course CJC246 - Adv. Friction Ridge Analy requires CJC245 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CJC245 - Friction Ridge Analysis

Additional Comments:
Course CJC246 - Adv. Friction Ridge Analy requires the Course(s) CJC245 to be completed as a Prerequisite.

CJC255 - Issues in Criminal Justice Application

Overview

Subject code
CJC

Course Number
255

Department(s)
Public Safety Training Programs

Description
This course provides an opportunity to exhibit interpersonal and technical skills required for application of criminal justice concepts in contemporary practical situations. Emphasis is placed on critical thinking and integration of theory and practical skills components. Upon completion, students should be able to demonstrate the knowledge required of any entry-level law enforcement officer. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course CJC255 - Issues in Crim Justice App requires CJC111 AND CJC221 AND CJC231 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CJC111 - Introduction to Criminal Justice
  AND
  AND CJC231 - Constitutional Law

Additional Comments:
Course CJC255 - Issues in Crim Justice App requires the Course(s) CJC111 AND CJC221 AND CJC231 to be completed as a

Prerequisite.

CJC261 - High-Risk Situations

Overview

Subject code	Course Number	Department(s)
CJC	261	Public Safety Training Programs

Description

This course prepares students to employ proper response methods, including a risk and attack analysis, when faced with high-risk situations. Emphasis will be placed on cover and evacuation techniques when faced with an active, barricaded shooter, improvised explosive device recognition, and hazardous material impact assessment. Upon completion, students should be able to demonstrate an ability to analyze a high-risk situation and use the proper decision making process to respond. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

COM120 - Introduction to Interpersonal Communication

Overview

Subject code	Course Number	Department(s)
COM	120	C, General Education, M, O

Description

This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

COM140 - Introduction to Intercultural Communication

Overview

Subject code	Course Number	Department(s)
COM	140	General Education

Description

This course introduces techniques of cultural, research, definitions, functions, characteristics, and impacts of cultural differences in public, address. Emphasis is placed on how diverse, backgrounds influence the communication act and, how cultural perceptions and experiences determine, how one sends and receives messages. Upon, completion, students should be able to demonstrate, an understanding of the principles and skills, needed to become effective in communicating, outside one's primary culture. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

COM160 - Small Group Communication

Overview

Subject code	Course Number	Department(s)
COM	160	General Education

Description

This course provides an overview of the theory, practice, and critical analysis of communication in the small group setting. Emphasis is placed on group development, conflict, and conformity; leadership skills and styles; group roles and ranks; and decision making, problem solving, and conflict resolution. Upon completion, students should be able to apply topics of gender, culture, and social-emotional functions within group settings. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

COM231 - Public Speaking

Overview

Subject code	Course Number	Department(s)
COM	231	General Education

Description

This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is placed on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

COS111 - Cosmetology Concepts I

Overview

Subject code	Course Number	Department(s)
COS	111	Cosmetology Programs

Description

This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting. This course requires students to attend the first day of class due to state requirements. Students cannot enroll late into this course. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS111 - Cosmetology Concepts I requires MAT003P1 OR MAT010 OR BSP4003P1 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course COS111 - Cosmetology Concepts I requires the Course(s) MAT003P1 OR MAT010 OR BSP4003P1 to be completed as a Prerequisite.

Course COS111 - Cosmetology Concepts I requires COS112
Type

Prerequisite

[object Object]

Additional Comments:
Course COS111 - Cosmetology Concepts I requires the Course(s) COS112 to be completed as a Prerequisite or taken in parallel as a Corequisite.

Course COS111 - Cosmetology Concepts I requires Take MAT-025 MAT-043 MAT-052 MAT-035 MAT-045 MAT-7035 or MAT-7025; be completed before enrolling.
Type
Prerequisite

Course COS111 - Cosmetology Concepts I requires

Fulfill ANY of the following requirements:

Additional Comments:
Course COS111 - Cosmetology Concepts I requires the Course(s) (DMA010 AND DMA020 AND DMA030) OR MAT003 OR MAT010 to be completed as a Prerequisite.

COS111AB - Cosmetology Concepts I

Overview

Subject code
COS

Course Number
111AB

Description
This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting. This course requires students to attend the first day of class due to state requirements. Students cannot enroll late into this course. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS111AB - Cosmetology Concepts I requires COS112
Type
Prerequisite

[object Object]

Additional Comments:
Course COS111AB - Cosmetology Concepts I requires the Course(s) COS112 to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS111BB - Cosmetology Concepts I

Overview

Subject code	Course Number
COS	111BB

Description

This course introduces basic cosmetology concepts, Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon, completion, students should be able to safely and, competently apply cosmetology concepts in the, salon setting. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS111BB - Cosmetology Concepts I requires COS112 AND COS111AB
Type
Prerequisite

[object Object]

Additional Comments:
Course COS111BB - Cosmetology Concepts I requires the Course(s) COS112 AND COS111AB to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS112 - Salon I

Overview

Subject code	Course Number	Department(s)
COS	112	Cosmetology Programs

Description

This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services. This course requires students to attend the first day of class due to state requirements. Students cannot enroll late into this course. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

24

Clinic Hours

0

Work Exp Hours

0

Credit Hours

8

Course Requirements

Simple Requisites

Course COS112 - Salon I requires COS111
Type
Prerequisite

[object Object]

Additional Comments:
Course COS112 - Salon I requires the Course(s) COS111 to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS112AB - Salon I

Overview

Subject code
COS

Course Number
112AB

Description
This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services. This course requires students to attend the first day of class due to state requirements. Students cannot enroll late into this course. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS112AB - Salon I requires COS111
Type
Prerequisite

[object Object]

Additional Comments:
Course COS112AB - Salon I requires the Course(s) COS111 to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS112BB - Salon I

Overview

Subject code
COS

Course Number
112BB

Description
This course introduces basic salon services, Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and, other related topics. Upon completion, students, should be able to safely and competently, demonstrate salon services. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS112BB - Salon I requires COS111 AND COS112AB
Type
Prerequisite

[object Object]

Additional Comments:
Course COS112BB - Salon I requires the Course(s) COS111 AND COS112AB to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS113 - Cosmetology Concepts II

Overview

Subject code	Course Number	Department(s)
COS	113	Cosmetology Programs

Description

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, manicuring, chemical restructuring, and hair coloring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS113 - Cosmetology Concepts II requires COS111 AND COS112 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:

Course COS113 - Cosmetology Concepts II requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS113AB - Cosmetology Concepts II

Overview

Subject code	Course Number
COS	113AB

Description

This course covers more comprehensive cosmetology, concepts. Topics include safety, product, knowledge, chemistry, manicuring, chemical, restructuring, and hair coloring. Upon, completion, students should be able to safely and, competently apply these cosmetology concepts in, the salon setting. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS113AB - Cosmetology Concepts II requires COS111 AND COS112 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:

Course COS113AB - Cosmetology Concepts II requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS113BB - Cosmetology Concepts II

Overview

Subject code
COS

Course Number
113BB

Description
This course covers more comprehensive cosmetology, concepts. Topics include safety, product, knowledge, chemistry, manicuring, chemical, restructuring, and hair coloring. Upon, completion, students should be able to safely and, competently apply these cosmetology concepts in, the salon setting. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS113BB - Cosmetology Concepts II requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS113BB - Cosmetology Concepts II requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

Course COS113BB - Cosmetology Concepts II requires COS113AB
Type
Prerequisite

Course COS113BB - Cosmetology Concepts II requires COS113AB

Requisite Condition Not Found

Additional Comments:
Course COS113BB - Cosmetology Concepts II requires the Course(s) COS113AB to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS114 - Salon II

Overview

Subject code	Course Number	Department(s)
COS	114	Cosmetology Programs

Description

This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

24

Clinic Hours

0

Work Exp Hours

0

Credit Hours

8

Course Requirements

Simple Requisites

Course COS114 - Salon II requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS114 - Salon II requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS114A - COS 114A Salon IIA

Overview

Subject code	Course Number	Department(s)
COS	114A	Cosmetology Programs

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

COS114AB - Salon II

Overview

Subject code
COS

Course Number
114AB

Description
This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS114AB - Salon II requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS114AB - Salon II requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS114B - COS 114B Salon IIA

Overview

Subject code
COS

Course Number
114B

Department(s)
Cosmetology Programs

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

COS114BB - Salon II

Overview

Subject code
COS

Course Number
114BB

Description
This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS114BB - Salon II requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS114BB - Salon II requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

Course COS114BB - Salon II requires COS114AB
Type
Prerequisite

Course COS114BB - Salon II requires COS114AB

Requisite Condition Not Found

Additional Comments:
Course COS114BB - Salon II requires the Course(s) COS114AB to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS115 - Cosmetology Concepts III

Overview

Subject code	Course Number	Department(s)
COS	115	Cosmetology Programs

Description

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS115 - Cosmetology Concepts III requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS115 - Cosmetology Concepts III requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS115AB - Cosmetology Concepts III

Overview

Subject code	Course Number
COS	115AB

Description

This course covers more comprehensive cosmetology, concepts. Topics include safety, product, knowledge, salon management, salesmanship, skin, care, electricity/light therapy, wigs, thermal, hair styling, lash and brow tinting, superfluous, hair removal, and other related topics. Upon, completion, students should be able to safely and, competently apply these cosmetology concepts in, the salon setting. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS115AB - Cosmetology Concepts III requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS115AB - Cosmetology Concepts III requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS115BB - Cosmetology Concepts III

Overview

Subject code
COS

Course Number
115BB

Description
This course covers more comprehensive cosmetology, concepts. Topics include safety, product, knowledge, salon management, salesmanship, skin, care, electricity/light therapy, wigs, thermal, hair styling, lash and brow tinting, superfluous, hair removal, and other related topics. Upon, completion, students should be able to safely and, competently apply these cosmetology concepts in, the salon setting. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS115BB - Cosmetology Concepts III requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS115BB - Cosmetology Concepts III requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

Course COS115BB - Cosmetology Concepts III requires COS115AB
Type
Prerequisite

Course COS115BB - Cosmetology Concepts III requires COS115AB

Requisite Condition Not Found

Additional Comments:
Course COS115BB - Cosmetology Concepts III requires the Course(s) COS115AB to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS116 - Salon III

Overview

Subject code	Course Number	Department(s)
COS	116	Cosmetology Programs

Description

This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care, manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS116 - Salon III requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS116 - Salon III requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS117 - Cosmetology Concepts IV

Overview

Subject code	Course Number	Department(s)
COS	117	Cosmetology Programs

Description

This course covers advanced cosmetology concepts. Topics include chemistry and hair structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS117 - Cosmetology Concepts IV requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS117 - Cosmetology Concepts IV requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS118 - Salon IV

Overview

Subject code	Course Number	Department(s)
COS	118	Cosmetology Programs

Description
This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements.

Credits

Class Hours

0

Lab Hours

21

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

Course Requirements

Simple Requisites

Course COS118 - Salon IV requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS118 - Salon IV requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS118A - Salon IVA

Overview

Subject code	Course Number	Department(s)
COS	118A	Cosmetology Programs

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

COS118AB - Salon IV

Overview

Subject code	Course Number
COS	118AB

Description
This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course COS118AB - Salon IV requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS118AB - Salon IV requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

COS118B - Salon IVB

Overview

Subject code	Course Number	Department(s)
COS	118B	Cosmetology Programs

Credits

Class Hours

0

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

COS118BB - Salon IV

Overview

Subject code
COS

Course Number
118BB

Description
This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course COS118BB - Salon IV requires COS111 AND COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS118BB - Salon IV requires the Course(s) COS111 AND COS112 to be completed as a Prerequisite.

Course COS118BB - Salon IV requires COS118AB
Type
Prerequisite

Course COS118BB - Salon IV requires COS118AB

Requisite Condition Not Found

Additional Comments:
Course COS118BB - Salon IV requires the Course(s) COS118AB to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS119 - Esthetics Concepts I

Overview

Subject code
COS

Course Number
119

Department(s)
Cosmetology Programs

Description
This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. Upon completion, students should be able to demonstrate an understanding of the concepts of esthetics and meet course requirements.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

COS120 - Esthetics Salon I

Overview

Subject code	Course Number	Department(s)
COS	120	Cosmetology Programs

Description

This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. Upon completion, students should be able to safely and competently demonstrate esthetic services on clients in a salon setting.

Credits

Class Hours

0

Lab Hours

18

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

COS121 - Manicure/Nail Technology I

Overview

Subject code	Course Number	Department(s)
COS	121	Cosmetology Programs

Description

This course covers techniques of nail technology, hand and arm surface manipulation, and recognition of nail diseases and disorders. Topics include OSHA/safety, sanitation, bacteriology, product knowledge, salesmanship, manicures, artificial applications, pedicures, surface manipulation, and other related topics. Upon completion, students should be able to safely and competently perform nail care, including manicures, pedicures, surface manipulations, decorating and artificial applications in a salon setting. This course requires students to attend the first day of class due to state requirements. Students cannot enroll late into this course. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

COS125 - Esthetics Concepts II

Overview

Subject code	Course Number	Department(s)
COS	125	Cosmetology Programs

Description

This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. Upon completion students should be able to demonstrate an understanding of the advanced esthetics concepts and meet course requirements.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

COS126 - Esthetics Salon II

Overview

Subject code	Course Number	Department(s)
COS	126	Cosmetology Programs

Description

This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, surface manipulation in relation to skin care, electricity, and apparatus. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology licensing examination for Estheticians.

Credits

Class Hours

0

Lab Hours

18

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

COS222 - Manicure/Nail Tech. II

Overview

Subject code	Course Number	Department(s)
COS	222	Cosmetology Programs

Description

This course covers advanced techniques of nail technology and hand and arm surface manipulation. Topics include OSHA/safety, product knowledge, customer service, salesmanship, artificial applications, nail art, and other related topics. Upon completion, students should be able to demonstrate competence necessary for the licensing examination, including advanced nail care, artificial enhancements, and decorations. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

Course Requirements

Simple Requisites

Course COS222 - Manicure/Nail Tech. II requires COS121 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS121 - Manicure/Nail Technology I

Additional Comments:
Course COS222 - Manicure/Nail Tech. II requires the Course(s) COS121 to be completed as a Prerequisite.

COS240 - Contemporary Design

Overview

Subject code	Course Number	Department(s)
COS	240	Cosmetology Programs

Description

This course covers methods and techniques for contemporary designs. Emphasis is placed on contemporary designs and other related topics. Upon completion, students should be able to demonstrate and apply techniques associated with contemporary design. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course COS240 - Contemporary Design requires COS111 and COS112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS111 - Cosmetology Concepts I
  AND COS112 - Salon I

Additional Comments:
Course COS240 - Contemporary Design requires the Course(s) COS111 and COS112 to be completed as a Prerequisite.

COS250 - Computerized Salon Ops

Overview

Subject code	Course Number	Department(s)
COS	250	Cosmetology Programs

Description

This course introduces computer and salon software. Emphasis is placed on various computer and salon software applications. Upon completion, students should be able to utilize computer skills and software applications in the salon setting. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

COS271 - Instructor Concepts I

Overview

Subject code	Course Number	Department(s)
COS	271	Cosmetology Programs

Description

This course introduces the basic cosmetology instructional concepts. Topics include orientation, theories of education, unit planning, daily lesson planning, laboratory management, student assessment, record keeping, and other related topics. Upon completion, students should be able to identify theories of education, develop lesson plans, demonstrate supervisory techniques, and assess student performance in a classroom setting. Some online sections may require proctored exams.

Credits

Class Hours

5

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course COS271 - Instructor Concepts I requires COS272
Type
Prerequisite

[object Object]

Additional Comments:
Course COS271 - Instructor Concepts I requires the Course(s) COS272 to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS272 - Instructor Practicum I

Overview

Subject code	Course Number	Department(s)
COS	272	Cosmetology Programs

Description

This course covers supervisory and instructional skills for teaching entry-level cosmetology students in a laboratory setting. Topics include demonstrations of services, supervision, and entry-level student assessment. Upon completion, students should be able to demonstrate salon services and instruct and objectively assess the entry-level student. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

21

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

Course Requirements

Simple Requisites

Course COS272 - Instructor Practicum I requires COS271
Type
Prerequisite

[object Object]

Additional Comments:
Course COS272 - Instructor Practicum I requires the Course(s) COS271 to be completed as a Prerequisite or taken in parallel as a Corequisite.

COS273 - Instructor Concepts II

Overview

Subject code	Course Number	Department(s)
COS	273	Cosmetology Programs

Description

This course covers advanced cosmetology instructional concepts. Topics include practical demonstrations, lesson planning, lecture techniques, development and administration of assessment tools, record keeping, and other related topics. Upon completion, students should be able to develop lesson plans, demonstrate supervision techniques, assess student performance in a classroom setting, and keep accurate records. Some online sections may require proctored exams.

Credits

Class Hours

5

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course COS273 - Instructor Concepts II requires COS271 AND COS272 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS271 - Instructor Concepts I
  AND COS272 - Instructor Practicum I

Additional Comments:
Course COS273 - Instructor Concepts II requires the Course(s) COS271 AND COS272 to be completed as a Prerequisite.

Course COS273 - Instructor Concepts II requires COS274

Type
Prerequisite

Course COS273 - Instructor Concepts II requires COS274

Requisite Condition Not Found

Additional Comments:
Course COS273 - Instructor Concepts II requires the Course(s) COS274 to be completed as a Prerequisite or taken in parallel as a Corequisite.

Prerequisite: North Carolina Cosmetology License and minimum eighteen months experience as a licensed Cosmetology
Type
Completion Requirement

COS274 - Instructor Practicum II

Overview

Subject code	Course Number	Department(s)
COS	274	Cosmetology Programs

Description
This course is designed to develop supervisory and instructional skills for teaching advanced cosmetology students in a laboratory setting. Topics include practical demonstrations, supervision, and advanced student assessment. Upon completion, students should be able to demonstrate competence in the areas covered by the Instructor Licensing Examination and meet program completion requirements. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

21

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

Course Requirements

Simple Requisites

Course COS274 - Instructor Practicum II requires COS271 AND COS272 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- COS271 - Instructor Concepts I
  AND COS272 - Instructor Practicum I

Additional Comments:
Course COS274 - Instructor Practicum II requires the Course(s) COS271 AND COS272 to be completed as a Prerequisite.

Course COS274 - Instructor Practicum II requires COS273
Type

Prerequisite

Course COS274 - Instructor Practicum II requires COS273

Requisite Condition Not Found

Additional Comments:
Course COS274 - Instructor Practicum II requires the Course(s) COS273 to be completed as a Prerequisite or taken in parallel as a Corequisite.

Prerequisite: North Carolina Cosmetology License and minimum eighteen months experience as a licensed Cosmetology
Type
Completion Requirement

CSC111 - Introduction to Ethical Hacking

Overview

Subject code	Course Number	Department(s)
CSC	111	Business Programs

Description
This course introduces computer programming students to the foundations of ethical hacking. Topics include security policies, common vulnerabilities, penetration testing methodology, and hacking concepts using computer programming and scripting techniques. Upon completion, students should be able to describe the computer programming aspects of ethical hacking in an organization's overall security framework. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC113 - Artificial Intelligence Fundamentals

Overview

Subject code	Course Number	Department(s)
CSC	113	Information Technology Programs

Description
This course provides a survey of artificial intelligence and machine learning. Topics include the history, development, and current applications of artificial intelligence and machine learning. Demonstrate general artificial intelligence and machine learning concepts. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC114 - Artificial Intelligence I

Overview

Subject code	Course Number	Department(s)
CSC	114	Information Technology Programs

Description

This course covers the study of intelligent agent design and rational decision making. Topics include goal-driven agents, search techniques, optimization, basic problem-solving methods, logic, knowledge-based agents, statistical and probabilistic reasoning, and the basics of machine learning. Upon completion, students should be able to demonstrate artificial intelligence design concepts. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC115 - Machine Learning I

Overview

Subject code	Course Number	Department(s)
CSC	115	Information Technology Programs

Description

This course covers algorithms for enabling artificial systems. Topics include machine learning from experience, supervised and unsupervised learning, reinforcement learning control, and learning theory. Upon completion, students should be able to demonstrate machine-learning techniques. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC121 - Python Programming

Overview

Subject code	Course Number	Department(s)
CSC	121	Business Programs

Description

This course introduces computer programming using the Python programming language. Emphasis is placed on common algorithms and programming principles utilizing the standard library distributed with Python. Upon completion, students should be able to design, code, test, and debug Python language programs. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC128 - Chatbot Programming I

Overview

Subject code	Course Number	Department(s)
CSC	128	Information Technology Programs

Description

This course covers chatbot development using industry standard programming tools. Topics include conversational interfaces, agents, natural language processing, and artificial intelligence. Upon completion, students should be able to demonstrate entry-level chatbot development skills.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC134 - C++ Programming

Overview

Subject code	Course Number	Department(s)
CSC	134	Business Programs

Description

This course introduces computer programming using the C++ programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test and debug at a beginning level. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC151 - JAVA Programming

Overview

Subject code	Course Number	Department(s)
CSC	151	rBVcRXWT63QaziacNJvg, Business Programs

Description

This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion students should be able to design, code, test, debug JAVA language programs. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC153 - C# Programming

Overview

Subject code	Course Number	Department(s)
CSC	153	Business Programs

Description

This course introduces computer programming using the C# programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment at the beginning level. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC 153 - C# Programming

Overview

Subject code	Course Number	Department(s)
CSC	153	Business Programs

Description

This course introduces computer programming using the C# programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment at the beginning level. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC221 - Advanced Python Programming

Overview

Subject code
CSC

Course Number
221

Department(s)
Information Technology Programs

Description
This course introduces advanced computer programming using the Python programming language. Emphasis is placed on the advanced programming concepts including advanced algorithms and programming principles utilizing standard and third party library tools. Upon completion, students should be able to design, code, test, and debug advanced Python language programs. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

CSC221 requires prerequisite of CSC121
Type
Prerequisite

State Prerequisite

Complete ALL of the following Courses:

- CSC121 - Python Programming

CSC228 - Chatbot Programming II

Overview

Subject code
CSC

Course Number
228

Department(s)
Information Technology Programs

Description
This course covers chatbot programming using one or more industry standard programming languages. Topics include conversational interfaces, agents, natural language processing, and artificial intelligence. Upon completion, students should be able to demonstrate advanced chatbot development skills.

Credits

Class Hours

2

Lab Hours

3

Credit Hours

3

Course Requirements

No Requirements

CSC234 - Advanced C++ Programming

Overview

Subject code	Course Number	Department(s)
CSC	234	Business Programs

Description

This course is a continuation of CSC 134 using the, C++ programming language with standard programming, principles. Emphasis is placed on advanced, arrays/tables, file management/processing, techniques, data structures, sub-programs, interactive processing, sort/merge routines, and, libraries. Upon completion, students should be, able to design, code, test, debug and document, programming solutions. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course CSC234 - Advanced C++ Programming requires CSC134 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- CSC134 - C++ Programming

Additional Comments:
Course CSC234 - Advanced C++ Programming requires the Course(s) CSC134 to be completed as a Prerequisite.

CSC249 - Data Structure & Algorithms

Overview

Subject code	Course Number	Department(s)
CSC	249	Business Programs

Description

This course introduces the data structures and algorithms frequently used in programming applications. Topics include lists, stacks, queues, dequeues, heaps, sorting, searching, mathematical operations, recursion, encryption, random numbers, algorithm testing, and standards. Upon completion, students should be able to design data structures and implement algorithms to solve various problems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CSC251 - Advanced JAVA Programming

Overview

Subject code	Course Number	Department(s)
CSC	251	Business Programs

Description

This course is a continuation of CSC 151 using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course CSC251 - Advanced JAVA Programming requires CSC151 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CSC151 - JAVA Programming

Additional Comments:
Course CSC251 - Advanced JAVA Programming requires the Course(s) CSC151 to be completed as a Prerequisite.

CSC289 - Programming Capstone Project

Overview

Subject code	Course Number
CSC	289

Description

This course provides an opportunity to complete a, significant programming project from the design, phase through implementation with minimal, instructor support. Emphasis is placed on project, definition, testing, presentation, and, implementation. Upon completion, students should, be able to complete a project from the definition, phase through implementation. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course CSC289 - Programming Capstone Project requires CTI110 AND CTI120 AND CTS115 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CTI110 - Information Technology Foundations
  AND CTI120 - Network & Security Foundation
  AND CTS115 - Information Systems Business Concepts

Additional Comments:
Course CSC289 - Programming Capstone Project requires the Course(s) CTI110 AND CTI120 AND CTS115 to be completed as a

Prerequisite.

CTI110 - Information Technology Foundations

Overview

Subject code	Course Number	Department(s)
CTI	110	Business Programs

Description

This course covers the introduction of the tools and resources available to students in programming, mark-up language and services on the Internet. Topics include standard mark-up language Internet services, creating web pages, using search engines, file transfer programs; and database design and creation with DBMS products. Upon completion students should be able to demonstrate knowledge of programming tools, deploy a web-site with mark-up tools, and create a simple database table. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTI120 - Network & Security Foundation

Overview

Subject code	Course Number	Department(s)
CTI	120	Business Programs

Description

This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards. Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTI141 - Cloud & Storage Concepts

Overview

Subject code	Course Number	Department(s)
CTI	141	Business Programs

Description

This course introduces cloud computing and storage concepts. Emphasis is placed on cloud terminology, virtualization, storage networking and access control. Upon completion, students should be able to perform tasks related to installation, configuration and management of cloud storage systems. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTS115 - Information Systems Business Concepts

Overview

Subject code	Course Number	Department(s)
CTS	115	Business Programs

Description

The course introduces the role of IT in managing business processes and the need for business process and IT alignment. Emphasis is placed on industry need for understanding business challenges and developing/managing information systems to contribute to the decision making process based on these challenges. Upon completion, students should be able to demonstrate knowledge of the 'hybrid business manager' and the potential offered by new technology and systems. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTS120 - Hardware/Software Support

Overview

Subject code	Course Number	Department(s)
CTS	120	Business Programs

Description

This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTS125 - Presentation Graphics

Overview

Subject code	Course Number	Department(s)
CTS	125	Business Programs

Description

This course provides hands-on experience with a, graphics presentation package. Topics include, terminology, effective chart usage, design and, layout, integrating hardware components, and, enhancing presentations with text, graphics, audio, and video. Upon completion, students should be, able to design and demonstrate an effective, presentation. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTS130 - Spreadsheet

Overview

Subject code	Course Number	Department(s)
CTS	130	Business Programs

Description

This course introduces basic spreadsheet design and development. Topics include writing formulas, using functions, enhancing spreadsheets, creating charts, and printing. Upon completion, students should be able to design and print basic spreadsheets and charts. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTS155 - Tech Support Functions

Overview

Subject code	Course Number	Department(s)
CTS	155	Business Programs

Description

This course introduces a variety of diagnostic and instructional tools that are used to evaluate the performance of technical support technologies. Emphasis is placed on technical support management techniques and support technologies. Upon completion, students should be able to determine the best technologies to support and solve actual technical support problems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTS220 - Advanced Hardware/Software Support

Overview

Subject code	Course Number	Department(s)
CTS	220	Business Programs

Description
This course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on: configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course CTS220 - Adv Hard/Software Support requires CTS120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CTS120 - Hardware/Software Support

Additional Comments:
Course CTS220 - Adv Hard/Software Support requires the Course(s) CTS120 to be completed as a Prerequisite.

CTS225 - Spreadsheet Data Analysis

Overview

Subject code	Course Number	Department(s)
CTS	225	Business Programs

Description
This course presents basic and advanced techniques for data analysis and management using electronic spreadsheets. Topics include an overview of spreadsheet analytics, terminology, model preparation, and analytical techniques. Upon completion, students should be able to develop reliable and effective quantitative data models and reports to support analysis and decision-making for common business systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

CTS240 - Project Management

Overview

Subject code	Course Number
CTS	240

Description

This course introduces computerized project, management software. Topics include identifying, critical paths, cost management, and problem, solving. Upon completion, students should be able, to plan a complete project and project time and, costs accurately. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DBA110 - Database Concepts

Overview

Subject code	Course Number	Department(s)
DBA	110	Business Programs

Description

This course introduces database design and creation using a DBMS product. Emphasis is placed on data dictionaries, normalization, data integrity, data modeling, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to design and implement normalized database structures by creating simple database tables, queries, reports, and forms. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DFT151 - CAD I

Overview

Subject code	Course Number	Department(s)
DFT	151	Engineering Programs

Description

This course introduces CAD software as a drawing, tool. Topics include drawing, editing, file, management, and plotting. Upon completion, students should be able to produce and plot a CAD, drawing. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DFT154 - Introduction to Solid Modeling

Overview

Subject code	Course Number	Department(s)
DFT	154	Engineering Programs

Description

This course is an introduction to basic three-dimensional solid modeling and design software. Topics include basic design, creation, editing, rendering and analysis of solid models, and creation of multiview drawings. Upon completion, students should be able to use design techniques to create, edit, render and generate a multiview drawing. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

No Requirements

DFT170 - Engineering Graphics

Overview

Subject code	Course Number	Department(s)
DFT	170	Engineering Programs

Description

This course introduces basic engineering graphics skills and applications. Topics include sketching, selection and use of current methods and tools, and the use of engineering graphics applications. Upon completion, students should be able to demonstrate an understanding of basic engineering graphics principles and practices. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DME115 - Digital Media Tools

Overview

Subject code	Course Number	Department(s)
DME	115	Business Programs

Description

This course provides students with an introduction to creative expression and art/design techniques in a digital environment. Emphasis is placed on designing, creating, editing and integrating visual components consisting of bit-mapped and vector-based images, drawings, banners, text, simple animations, and multiple layers. Upon completion, students should be able to design and produce a range of visual products using digital processing techniques. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DME215 - Advanced Graphic Design Tools

Overview

Subject code
DME

Course Number
215

Description
This course provides students with advanced design techniques in a digital environment. Emphasis is placed on understanding principles of design and typography, and applying them effectively in projects. Upon completion, students should be able to design and produce a range of visual products using advanced digital design techniques and principles. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

DME215 Requires prerequisite of DME115
Type
Completion Requirement

DMS1 - Developmental Math Shell 1

Overview

Subject code
DMS

Course Number
001

Description
This course provides an opportunity to customize, developmental math content in specific, developmental math areas. Content will be one DMA, module appropriate to the required level of the, student. Upon completion, students should be able, to demonstrate an understanding of their specific, developmental math area of content. Some online sections may require proctored exams.

Credits

Class Hours

0.75

Lab Hours

0.5

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course DMS1 - Developmental Math Shell 1 requires MAT050 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course DMS1 - Developmental Math Shell 1 requires the Course(s) MAT050 to be completed as a Prerequisite.

DRA111 - Theatre Appreciation

Overview

Subject code	Course Number	Department(s)
DRA	111	General Education, Transfer Programs

Description

This course provides a study of the art, craft, and business of the theatre. Emphasis is placed on the audience's appreciation of the work of the playwright, director, actor, designer, producer, and critic. Upon completion, students should be able to demonstrate a vocabulary of theatre terms and to recognize the contributions of various theatre artists. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA112 - Literature of the Theatre

Overview

Subject code	Course Number	Department(s)
DRA	112	General Education, Transfer Programs

Description

This course provides a survey of dramatic works, from the classicalGreek through the present, Emphasis is placed on the language ofdrama, critical theory, and background as well as on play, reading andanalysis. Upon completion, students, should be able to articulate,orally and in, writing, their appreciation and understanding, ofdramatic works. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA120 - Voice for Performance

Overview

Subject code	Course Number	Department(s)
DRA	120	General Education, Transfer Programs

Description

This course provides guided practice in the proper, production of speech for the theatre. Emphasis is, placed on improving speech, including breathing, articulation, pronunciation, and other vocal, variables. Upon completion, students should be, able to demonstrate effective theatrical speech. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA124 - Readers Theatre

Overview

Subject code	Course Number	Department(s)
DRA	124	General Education, Transfer Programs

Description

This course provides a theoretical and applied introduction to the medium of readers theatre. Emphasis is placed on the group performance considerations posed by various genres of literature. Upon completion, students should be able to adapt and present a literary script following the conventions of readers theatre. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA130 - Acting I

Overview

Subject code	Course Number	Department(s)
DRA	130	General Education, Transfer Programs

Description
This course provides an applied study of the, actor's craft. Topics include role analysis, training the voice, and body concentration, discipline, and self-evaluation. Upon completion, students should be able to explore their, creativity in an acting ensemble. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA131 - Acting II

Overview

Subject code	Course Number	Department(s)
DRA	131	General Education, Transfer Programs

Description
This course provides additional hands-on practice, in the actor's craft. Emphasis is placed on, further analysis, characterization, growth, and, training for acting competence. Upon completion, students should be able to explore their, creativity in an acting ensemble. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course DRA131 - Acting II requires DRA130 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- DRA130 - Acting I

Additional Comments:
Course DRA131 - Acting II requires the Course(s) DRA130 to be completed as a Prerequisite.

DRA135 - Acting for the Camera I

Overview

Subject code	Course Number	Department(s)
DRA	135	General Education, Transfer Programs

Description

This course provides an applied study of the camera actor's craft. Topics include commercial, dramatic, and print performance styles. Upon completion, students should be able to explore their creativity in on-camera performance. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA140 - Stagecraft I

Overview

Subject code	Course Number	Department(s)
DRA	140	General Education, Transfer Programs

Description

This course introduces the theory and basic construction of stage scenery and properties. Topics include stage carpentry, scene painting, stage electrics, properties, and backstage organization. Upon completion, students should be able to pursue vocational and avocational roles in technical theatre. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA141 - Stagecraft II

Overview

Subject code	Course Number	Department(s)
DRA	141	General Education, Transfer Programs

Description
This course provides additional hands-on practice in the elements of stagecraft. Emphasis is placed on the design and implementation of the arts and crafts of technical theatre. Upon completion, students should be able to pursue vocational or avocational roles in technical theatre. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course DRA141 - Stagecraft II requires DRA140 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- DRA140 - Stagecraft I

Additional Comments:
Course DRA141 - Stagecraft II requires the Course(s) DRA140 to be completed as a Prerequisite.

DRA145 - Stage Make-Up

Overview

Subject code	Course Number	Department(s)
DRA	145	General Education, Transfer Programs

Description
This course covers the research, design, selection, of materials, and application of stage make-up, prosthetics, wigs, and hairpieces. Emphasis is, placed on the development of techniques, style, and presentation of the finished make-up. Upon, completion, students should be able to create and, apply make-up, prosthetics, and hairpieces. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

DRA170 - Play Production I

Overview

Subject code	Course Number	Department(s)
DRA	170	General Education, Transfer Programs

Description
This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA171 - Play Production II

Overview

Subject code	Course Number	Department(s)
DRA	171	General Education, Transfer Programs

Description
This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course DRA171 - Play Production II requires DRA170 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- DRA170 - Play Production I

Additional Comments:
Course DRA171 - Play Production II requires the Course(s) DRA170 to be completed as a Prerequisite.

DRA211 - Theatre History I

Overview

Subject code	Course Number	Department(s)
DRA	211	General Education, Transfer Programs

Description

This course covers the development of theatre from its origin to the closing of the British theatre in 1642. Topics include the history, aesthetics, and representative dramatic literature of the period. Upon completion, students should be able to trace the evolution of theatre and recognize the styles and types of world drama. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA212 - Theatre History II

Overview

Subject code	Course Number	Department(s)
DRA	212	General Education, Transfer Programs

Description

This course covers the development of theatre from 1660 through the diverse influences which shaped the theatre of the twentieth century. Topics include the history, aesthetics, and representative dramatic literature of the period. Upon completion, students should be able to trace the evolution of theatre and recognize the styles and types of world drama. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

DRA270 - Play Production III

Overview

Subject code
DRA

Course Number
270

Department(s)
General Education, Transfer Programs

Description
This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course DRA270 - Play Production III requires DRA171 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- DRA171 - Play Production II

Additional Comments:
Course DRA270 - Play Production III requires the Course(s) DRA171 to be completed as a Prerequisite.

DRA271 - Play Production IV

Overview

Subject code
DRA

Course Number
271

Department(s)
General Education, Transfer Programs

Description
This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course DRA271 - Play Production IV requires DRA270 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- DRA270 - Play Production III

Additional Comments:
Course DRA271 - Play Production IV requires the Course(s) DRA270 to be completed as a Prerequisite.

ECO151 - Survey of Economics

Overview

Subject code	Course Number	Department(s)
ECO	151	Transfer Programs

Description

This course, for those who have not received credit for ECO 251 or 252, introduces basic concepts of micro- and macroeconomics. Topics include supply and demand, optimizing economic behavior, prices and wages, money, interest rates, banking system, unemployment, inflation, taxes, government spending, and international trade. Upon completion, students should be able to explain alternative solutions for economic problems faced by private and government sectors. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ECO251 - Principles of Microeconomics

Overview

Subject code	Course Number	Department(s)
ECO	251	Business Programs

Description

This course introduces economic analysis of individual, business, and industry in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives in order to efficiently achieve economic objectives. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ECO252 - Principles of Macroeconomics

Overview

Subject code	Course Number	Department(s)
ECO	252	C, E, O, Business Programs

Description

This course introduces economic analysis of aggregate employment, income, and prices. Topics include major schools of economic thought; aggregate supply and demand; economic measures, fluctuations, and growth; money and banking; stabilization techniques; and international trade. Upon completion, students should be able to evaluate national economic components, conditions, and alternatives for achieving socioeconomic goals. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU119 - Introduction to Early Childhood Education

Overview

Subject code	Course Number	Department(s)
EDU	119	Education Programs

Description

This course covers the development of partnerships among culturally, linguistically and ability diverse families, children, schools and communities through the use of evidence-based strategies. Emphasis is placed on developing skills and identifying benefits for establishing and supporting respectful relationships between diverse families, programs/schools, and community agencies/resources reflective of the NAEYC Code of Ethical Conduct and the Code of Ethics for North Carolina Educators. Upon completion, students should be able to identify appropriate relationship building strategies between diverse families, children birth through adolescence, schools, and communities and demonstrate a variety of communication skills including appropriate use of technology to support every child. This course requires at least 5 hours of volunteer service in a classroom or program setting. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

EDU131 - Child, Family, and Community

Overview

Subject code	Course Number	Department(s)
EDU	131	Education Programs

Description

This course covers the development of, partnerships among culturally, linguistically and, ability diverse families, children, schools and, communities through the use of evidence-based, strategies. Emphasis is placed on developing, skills and identifying benefits for establishing, and supporting respectful relationships between, diverse families, programs/schools, and community, agencies/resources reflective of the NAEYC Code, of Ethical Conduct and the Code of Ethics for, North Carolina Educators. Upon completion, students should be able to identify appropriate, relationship building strategies between diverse, families, children birth through adolescence, schools, and communities and demonstrate a, variety of communication skills including, appropriate use of technology to support every, child. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU144 - Child Development I

Overview

Subject code	Course Number	Department(s)
EDU	144	Education Programs

Description

This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from conception through approximately 36 months. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse. This course requires students to conduct a child case study with a child 0-36 months and their family. This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU145 - Child Development II

Overview

Subject code	Course Number	Department(s)
EDU	145	Education Programs

Description

This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from preschool through middle childhood. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse. This course requires students to complete a child portfolio with a child age 3-8, which requires observations and interviews. This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU146 - Child Guidance

Overview

Subject code	Course Number	Department(s)
EDU	146	Education Programs

Description

This course introduces evidence-based strategies to build nurturing relationships with each child by applying principles and practical techniques to facilitate developmentally appropriate guidance. Topics include designing responsive/supportive learning environments, cultural, linguistic and socio-economic influences on behavior, appropriate expectations, the importance of communication with children/families including using technology and the use of formative assessments in establishing intentional strategies for children with unique needs. Upon completion, students should be able to demonstrate direct/indirect strategies to encourage social skills, self-regulation, emotional expression and positive behaviors while recognizing the relationship between children's social, emotional and cognitive development. This course requires several observations in a preschool classroom. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU149 - Autism Technical Concepts

Overview

Subject code	Course Number	Department(s)
EDU	149	Education Programs

Description

This course is an introduction to Autism Spectrum, Disorders and the skills and competencies needed, to work within programs and facilities providing, supervised services to persons diagnosed with ASD, Topics include knowledge of characteristics and, services, evidence based practices to address, social, behavioral, educational, developmental and, communication needs through appropriate, assessment, planning, implementation of services, and strategies for effective family/ community, engagement and advocacy for persons with ASD. , Upon completion, students should be able to, demonstrate knowledge of the charcteristics of, ASD, application of techniques and interventions, used when working with the ASD population, understanding of how to write and implement plans, to provide approved documentation, and provide, hands-on experiences within programs or facilities, serving persons with ASD. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU151 - Creative Activities

Overview

Subject code	Course Number	Department(s)
EDU	151	Education Programs

Description

This course introduces developmentally supportive creative learning environments with attention to divergent thinking, creative problem-solving, evidence-based teaching practices, and open-ended learning materials while applying NC Foundations for Early Learning and Development. Emphasis is placed on observation of process driven learning experiences in art, music, creative movement, dance, and dramatics for every young child age birth through eight, integrated through all domains and academic content. Upon completion, students should be able to examine, create, and adapt developmentally creative learning materials, experiences, and environments for children that are culturally, linguistically, and ability diverse. This course requires visitations to and observations of community organizations that relate to creative arts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU153 - Health, Safety and Nutrition

Overview

Subject code	Course Number	Department(s)
EDU	153	Education Programs

Description

This course covers promoting and maintaining the health and well-being of every child. Topics include health and nutritional guidelines, common childhood illnesses, maintaining safe and healthy learning environments, health benefits of active play, recognition and reporting of abuse/neglect, and state regulations. Upon completion, students should be able to apply knowledge of NC Foundations for Early Learning and Development for health, safety, nutritional needs and safe learning environments. This course emphasizes evidence-based practices and strategies and requires students to show evidence of completion of CPR and First Aid. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU157 - Active Play

Overview

Subject code	Course Number	Department(s)
EDU	157	Education Programs

Description

This course introduces physical activities to promote the development of the whole child, birth through middle childhood. Topics include active play, outdoor learning, design of the environment, development of play skills, loose parts play, nature play, risk benefit assessment, advocacy, and family/community connection. Upon completion, students should be able to discuss the stages of play, the role of teachers in play, active play environments, advocate for the child's right to play, and plan and assess appropriate experiences using NC Foundations for Early Learning and Development. This course requires classroom visitations, observations, and at least one half-day of training for Be Active Kids. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU173 - Becoming a Professional in Early Childhood Education

Overview

Subject code	Course Number	Department(s)
EDU	173	Education Programs

Description
This course is an introduction to the early childhood profession. Emphasis is placed on the NAEYC Ethical Code, professional growth through involvement in professional organizations, and development of a professional portfolio. Upon completion, students should be able to identify professional resources and community partners in order to involve oneself in the early childhood field. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU184 - Early Childhood Introductory Practicum

Overview

Subject code	Course Number	Department(s)
EDU	184	Education Programs

Description
This course introduces students to early childhood settings and applying skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on observing children and assisting in the implementation of developmentally appropriate activities/environments for all children; and modeling reflective/professional practices. Upon completion, students should be able to demonstrate developmentally appropriate interactions with children and ethical/professional behaviors as indicated by assignments and onsite faculty visits. This course requires 48 hours of practicum experience in a preschool classroom. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EDU184 - Early Child Intro Pract requires EDU119 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EDU119 - Introduction to Early Childhood Education

Additional Comments:
Course EDU184 - Early Child Intro Pract requires the Course(s)

EDU119 to be completed as a Prerequisite.

EDU187 - Teaching and Learning for All

Overview

Subject code	Course Number	Department(s)
EDU	187	Education Programs

Description

This course introduces students to knowledge, concepts, and best practices needed to provide developmentally appropriate, effective, inclusive, and culturally responsive educational experiences in the classroom. Topics include growth and development, learning theory, student motivation, teaching diverse learners, classroom management, inclusive environments, student-centered practices, instructional strategies, teaching methodologies, observation/assessment techniques, educational planning, reflective practice, collaboration, cultural competence, ethics, professionalism, and leadership. Upon completion, students should be able to identify the knowledge, skills, roles, and responsibilities of an effective educator as defined by state and national professional teaching standards. This course requires 10 hours of observations in a public school setting. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

EDU216 - Foundations of Education

Overview

Subject code	Course Number	Department(s)
EDU	216	Education Programs

Description

This course introduces the examination of the American educational systems and the teaching profession. Topics include the historical and philosophical influences on education, various perspectives on educational issues, and experiences in birth through grade 12 classrooms. Upon completion, students should be able to reflect on classroom observations, analyze the different educational approaches, including classical/traditional and progressive, and have knowledge of the various roles of educational systems at the federal, state and local level. This course emphasizes evidence-based practices and strategies that support all children and families as well as requires observations and/or interviews in public schools. This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU221 - Children With Exceptionalities

Overview

Subject code	Course Number	Department(s)
EDU	221	Education Programs

Description

This course covers atypical patterns of child development, inclusive/ diverse settings, evidenced-based educational/family plans, differentiated instruction, adaptive materials, and assistive technology. Emphasis is placed on the characteristics of exceptionalities and delays, early intervention/special education, transitions, observation, developmental screening, formative assessment of children, and collaborating with families and community partners. Upon completion, students should be able to recognize diverse abilities, describe the referral process, identify community resources, explain the importance of collaboration with families/professionals, and develop appropriate strategies/adaptations to support children in all environments with best practices as defined by laws, policies and the NC Foundations for Early Learning and Development. This course requires classsroom visitations and observations and has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EDU221 - Children With Exceptionalities requires (EDU144 and EDU145) or (PSY244 and PSY245) be completed before enrolling.
Type

Prerequisite

Course EDU221 - Children With Exceptionalities requires (EDU144 and EDU145) or (PSY244 and PSY245) be completed before enrolling.

Fulfill ANY of the following requirements:

EDU234 - Infants, Toddlers, and Twos

Overview

Subject code	Course Number	Department(s)
EDU	234	Education Programs

Description

This course covers the development of high-quality, individualized, responsive/engaging relationships and experiences for infants, toddlers, and twos. Emphasis is placed on typical and atypical child development, working with diverse families to provide positive, supportive, and engaging early learning activities and interactions through field experiences and the application of the NC Foundations for Early Learning and Development. Upon completion, students should be able to demonstrate responsive curriculum planning, respectful relationships and exposure to a variety of developmentally appropriate experiences/materials that support a foundation for healthy development and growth of culturally, linguistically and ability diverse children birth to 36 months. This course requires observations and interviews as well as 15 hours of practical experience in an infant, toddler and/or twos classroom. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EDU234 - Infants, Toddlers, and Twos requires EDU119 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education

Additional Comments:

Course EDU234 - Infants, Toddlers, and Twos requires the Course(s) EDU119 to be completed as a Prerequisite.

EDU250 - Teacher Licensure Preparation

Overview

Subject code	Course Number	Department(s)
EDU	250	Education Programs

Description
This course provides information and strategies necessary for transfer to a teacher licensure program at a senior institution. Topics include entry level teacher licensure exam preparation, performance based assessment systems, requirements for entry into teacher education programs, the process to become a licensed teacher in North Carolina, and professionalism including expectations within the field of education. Upon completion, students should be able to utilize educational terminology and demonstrate knowledge of teacher licensure processes including exam preparation, technology based portfolio assessment, and secondary admissions processes to the school of education at a senior institution. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EDU250 - Teacher Licensure Preparation requires (ENG111 and MAT143) OR (ENG111 and MAT152) OR (ENG111 and MAT171) be completed before enrolling.
Type
Prerequisite

Course EDU250 - Teacher Licensure Preparation requires (ENG111 and MAT143) OR (ENG111 and MAT152) OR (ENG111 and MAT171) be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course EDU250 - Teacher Licensure Preparation requires the Course(s) (ENG111 and MAT143) OR (ENG111 and MAT152) OR (ENG111 and MAT171) to be completed as a Prerequisite.

EDU251 - Exploration Activities

Overview

Subject code	Course Number	Department(s)
EDU	251	Education Programs

Description
This course covers fundamental concepts in the content areas of science, technology, engineering, math and social studies through investigative experiences. Emphasis is placed on exploring fundamental concepts, developmentally appropriate scope and sequence, and teaching strategies to engage each child in the discovery approach. Upon completion, students should be able to understand major concepts in each content area and implement appropriate experiences for young children. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU259 - Curriculum Planning

Overview

Subject code	Course Number	Department(s)
EDU	259	Education Programs

Description

This course is designed to focus on using content knowledge to build developmentally effective approaches for culturally/linguistically/ability diverse young children. Topics include components of curriculum, a variety of curriculum models, authentic observation and assessment, and planning developmentally appropriate experiences aligned with the NC Foundations for Early Learning and Development. Upon completion, students should be able to understand, evaluate, and use curriculum to plan for individual/group needs.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EDU259 - Curriculum Planning requires EDU119 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EDU119 - Introduction to Early Childhood Education

Additional Comments:
Course EDU259 - Curriculum Planning requires the Course(s) EDU119 to be completed as a Prerequisite.

EDU261 - Early Childhood Administration I

Overview

Subject code	Course Number	Department(s)
EDU	261	Education Programs

Description

This course introduces principles and practices essential to preparing and supporting child care administrators. Topics include program philosophy, policies and procedures, NC Child Care Law and Rules, business planning, personnel and fiscal management, and NAEYC Code of Ethical Conduct Supplement for Early Childhood Program Administration. Upon completion, students should be able to articulate a developmentally appropriate program philosophy, locate current state licensing regulations, analyze a business plan and examine comprehensive program policies and procedures. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EDU261 - Early Childhood Admin I requires EDU119
Type
Prerequisite

[object Object]

Additional Comments:
Course EDU261 - Early Childhood Admin I requires the Course(s) EDU119 to be completed as a Prerequisite or taken in parallel as a Corequisite.

EDU262 - Early Childhood Administration II

Overview

Subject code	Course Number	Department(s)
EDU	262	Education Programs

Description
This course focuses on advocacy/leadership, public relations/ community outreach and program quality/evaluation for diverse early childhood programs. Topics include program evaluation/accreditation, involvement in early childhood professional organizations, leadership/ mentoring, family, volunteer and community involvement and early childhood advocacy. Upon completion, students should be able to define and evaluate all components of early childhood programs, develop strategies for advocacy and integrate community into programs. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EDU262 - Early Childhood Admin II requires EDU119 AND EDU261 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- EDU119 - Introduction to Early Childhood Education **AND** EDU261 - Early Childhood Administration I

Additional Comments:
Course EDU262 - Early Childhood Admin II requires the Course(s) EDU119 AND EDU261 to be completed as a Prerequisite.

EDU270 - Effective Instructional Environments

Overview

Subject code	Course Number	Department(s)
EDU	270	Education Programs

Description
This course is designed to provide learners with the knowledge and skills to create, manage, and assess effective instructional environments, learning attitudes, and behaviors for today's diverse learning population. Topics include organizing the learning environment, fostering positive learning attitudes, supporting healthy stakeholder partnerships, engaging students using effective differentiated instruction, guiding, and managing student behaviors, and assessing student progress. Upon completion of this course, learners will demonstrate effective dispositions of the professional educator that include managing schedules, spaces, and resources, promoting supportive learning mindsets, engaging students with diverse instructional strategies, guiding student behaviors to maximize both the instructional and social climate, and analyzing and effectively responding to student progress. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

EDU272 - Technology, Data, and Assessment

Overview

Subject code	Course Number	Department(s)
EDU	272	Education Programs

Description

This course is designed to provide students with the knowledge and skills to utilize digital instructional technologies and technology-based assessments to plan and implement appropriate educational experiences and interventions in the classroom. Topics include educational technology to enhance instruction, instructional technologies for teaching, technology-based assessment, formative and summative assessments, data to inform practice, and ethical practices for technology and assessment. Upon completion, students will be able to demonstrate effective integration of educational technology into classroom practice, appropriate use of technology-based assessments, and practical application of data to inform educational planning and interventions. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU277 - Integrated Curriculum & Instructional: Math

Overview

Subject code	Course Number	Department(s)
EDU	277	Education Programs

Description

This course is designed to provide learners with the content knowledge, instructional methods/materials, and assessment techniques needed to provide research-based math and science K - 12 instruction. Topics include essential math and science concepts and skills, developmentally appropriate pedagogy, culturally responsive instruction, standards-based outcomes, technology enhanced lesson planning, formative/summative assessments, research-based interventions, authentic learning experiences, and reflective practice. Upon completion, learners will be able to plan, implement, assess, and reflect on developmentally appropriate math and science instruction aligned to the NC Standard Course of Study, other professional and national standards. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU278 - Integrated Curriculum & Instructional: Social Studies/ELA

Overview

Subject code	Course Number	Department(s)
EDU	278	Education Programs

Description

This course is designed to provide learners with the content knowledge, instructional methods/materials, and assessment techniques needed to provide research-based social studies and ELA K -12 instruction. Topics include essential social studies and ELA concepts and skills, developmentally appropriate pedagogy, culturally responsive instruction, standards-based outcomes, technology enhanced lesson planning, formative/summative assessments, research-based interventions, authentic learning experiences, and reflective practice. Upon completion, learners will be able to plan, implement, assess, and reflect on developmentally appropriate social studies and ELA instruction aligned to the NC Standard Course of Study, other professional and national standards. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU279 - Literacy Development and Instruction

Overview

Subject code	Course Number	Department(s)
EDU	279	Education Programs

Description

This course is designed to provide students with concepts and skills of literacy development, instructional methods/materials and assessment techniques needed to provide scientifically-based, systematic reading and writing instruction into educational practice. Topics include literacy concepts, reading and writing development, developmentally appropriate pedagogy, culturally-responsive instruction, standards-based outcomes, lesson planning, formative/summative assessment, recognizing reading difficulties, research-based interventions, authentic learning experiences, classroom implementation, and reflective practice. Upon completion, students should be able to plan, implement, assess, evaluate, and demonstrate developmentally appropriate literacy instruction aligned to the NC Standard Course of Study and other state and national standards. This course requires 10 hours of observation and practical experience in a public school setting. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

EDU280 - Language and Literacy Experiences

Overview

Subject code	Course Number	Department(s)
EDU	280	Education Programs

Description

This course provides evidence-based strategies for enhancing language and literacy experiences that align with NC Foundations for Early Learning and Development. Topics include developmental sequences for children's emergent receptive and expressive language, print concepts, appropriate observations/assessments, literacy enriched environments, quality selection of diverse literature, interactive media, and inclusive practices. Upon completion, students should be able to select, plan, implement and evaluate developmentally appropriate language and literacy experiences for children who are culturally, linguistically and ability diverse. This course requires at least 12 hours of observation and practical experience in an early childhood classroom (this must be in a Head-Start classroom unless hours in a Head Start classroom have already been completed). Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU283 - Educator Preparation Practicum

Overview

Subject code	Course Number	Department(s)
EDU	283	Education Programs

Description

This course is designed to allow learners to demonstrate acquired skills and competencies in a developmentally appropriate learning environment. Topics include dispositions of effective teachers, portfolio assessment development, reflective practice, teaching methods, assessment strategies, and professional practices based on state and national Teaching Standards. Upon completion, learners should be able to provide a portfolio assessment with evidence of ethical/professional standards, respect for a diverse population in learning environments, content knowledge, appropriate guidance intervention, and grade-level technology enhanced lesson planning/ assessments through practices in the classroom environment. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EDU284 - Early Childhood Capstone Practicum

Overview

Subject code	Course Number	Department(s)
EDU	284	Education Programs

Description

This course is designed to allow students to demonstrate acquired skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on designing, implementing and evaluating developmentally appropriate activities and environments for all children; supporting/engaging families; and modeling reflective and professional practices based on national and state guidelines. Upon completion, students should be able to apply NC Foundations for Early Learning and Development to demonstrate developmentally appropriate plans/assessments, appropriate guidance techniques and ethical/professional behaviors, including the use of appropriate technology, as indicated by assignments and onsite faculty assessments. This course requires 160 hours of practicum experience within an early childhood classroom. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course EDU284 - Early Child Capstone Prac requires (EDU 119 and EDU 144 and EDU 145 and EDU 146 and EDU 151) or (EDU 119 and EDU 146 and EDU 151) or (EDU 119 and EDU 144 and EDU 146 and EDU 151) or (EDU 119 and EDU 145 and EDU 146 and EDU 151) be completed before enrolling.

Type

Prerequisite

Course EDU284 - Early Child Capstone Prac requires (EDU 119 and EDU 144 and EDU 145 and EDU 146 and EDU 151) or (EDU 119 and EDU 146 and EDU 151) or (EDU 119 and EDU 144 and EDU 146 and EDU 151) or (EDU 119 and EDU 145 and EDU 146 and EDU 151) be completed before enrolling.

Fulfill ANY of the following requirements:

EGR115 - Intro to Technology

Overview

Subject code	Course Number	Department(s)
EGR	115	Engineering Programs

Description

This course introduces the basic skills and career fields for technicians. Topics include career options, technical vocabulary, dimensional analysis, measurement systems, engineering graphics, calculator applications, professional ethics, safety practices, and other related topics. Upon completion, students should be able to demonstrate an understanding of the basic technologies, prepare drawings and sketches, and perform computations using a scientific calculator.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EGR115 - Intro to Technology requires EGR115A as a Corequisite
Type
Corequisite

Enroll in the following Courses:

- EGR115A - Introduction to Technology Lab

Additional Comments:
Course EGR115 - Intro to Technology requires you to be enrolled in Course(s) EGR115A as a Corequisite.

EGR115A - Introduction to Technology Lab

Overview

Subject code	Course Number	Department(s)
EGR	115A	Engineering Programs

Description

This course provides a laboratory setting for EGR 111. Emphasis is placed on developing skills in dimensional analysis, measurement systems, engineering graphics, and calculator applications. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in EGR 115. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course EGR115A - Intro to Technology Lab requires EGR115
Type
Prerequisite

[object Object]

Additional Comments:
Course EGR115A - Intro to Technology Lab requires the Course(s) EGR115 to be completed as a Prerequisite or taken in parallel as a Corequisite.

EGR125 - Applications Software for Technology

Overview

Subject code	Course Number	Department(s)
EGR	125	Engineering Programs

Description

This course introduces personal computer software and teaches students how to customize the software for technical applications. Emphasis is placed on the use of common office applications software programs such as spreadsheets, word processing, graphics, and internet access. Upon completion, students should be able to demonstrate competency in using applications software to solve technical problems and communicate the results in text and graphical formats. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

EGR130 - Engineering Cost Control

Overview

Subject code	Course Number	Department(s)
EGR	130	Engineering Programs

Description

This course covers the management of projects and systems through the control of costs. Topics include economic analysis of alternatives within budget constraints and utilization of the time value of money approach. Upon completion, students should be able to make choices that optimize profits on both short-term and long-term decisions. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EGR130 - Engineering Cost Control requires MAT121 or MAT171 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- MAT171 - Precalculus Algebra

EGR150 - Introduction to Engineering

Overview

Subject code	Course Number	Department(s)
EGR	150	Engineering Programs

Description

This course is an overview of the engineering profession. Topics include goal setting and career assessment, ethics, public safety, the engineering method and design process, written and oral communication, interpersonal skills and team building, and computer applications. Upon completion, students should be able to understand the engineering process, the engineering profession, and utilize college resources to meet their educational goals. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EGR150 - Intro to Engineering requires MAT171
Type
Prerequisite

[object Object]

Additional Comments:
Course EGR150 - Intro to Engineering requires the Course(s) MAT171 to be completed as a Prerequisite or taken in parallel as a Corequisite.

EGR210 - Introduction to Electrical/ Computer Engineering Lab

Overview

Subject code	Course Number	Department(s)
EGR	210	Engineering Programs

Description

This course provides an overview of electrical and computer engineering, through a lecture and laboratory setting. Topics include fundamental concepts, electronic circuits, digital circuits, communication systems, and signal processing. Upon completion, students should be able to discuss the wide range of fields available to the electrical or computer engineer. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

EGR210 requires prerequisite of MAT271 and PHY251
Type
Completion Requirement

Complete ALL of the following Courses:

- MAT271 - Calculus I
- PHY251 - General Physics I

EGR212 - Logic System Design I

Overview

Subject code	Course Number	Department(s)
EGR	212	Engineering Programs

Description

This course provides an introduction to digital circuits and analysis. Topics include Boolean Algebra; mixed logic; design of combinational circuits; introduction to sequential systems; and MSI building blocks. Upon completion, students should be able to analyze and design digital circuits and systems. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

EGR212 requires prerequisite of MAT271 and PHY251
Type
Completion Requirement

Complete ALL of the following Courses:
- MAT271 - Calculus I
- PHY251 - General Physics I

EGR214 - Numerical Methods for Engineers

Overview

Subject code	Course Number	Department(s)
EGR	214	Engineering Programs

Description

This course introduces contemporary methods and tools for numerical analysis in engineering. Topics include numerical methods in differentiation, integration, root-finding, linear and non-linear regressions. Upon completion, students should be able to demonstrate: basic structured programming concepts involving decision making,loops, functions, and parameter passing: common numerical methods used in engineering analysis; estimation of the amount of error inherent in different numerical methods; assessment of numerical efficiency; method assessment of numerical efficiency; and convergence properties of different numerical methods. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

EGR214 requires a prerequisite of MAT272
Type
Completion Requirement

Complete ALL of the following Courses:
- MAT272 - Calculus II

EGR215 - Network Theory I

Overview

Subject code	Course Number	Department(s)
EGR	215	Engineering Programs

Description

This course provides an introduction to Kirchoff's laws and terminal equations, circuit analysis techniques and network theorems, transient and natural response, and state variable analysis. Topics include Kirchoff's laws, Ohm's law, circuit analysis techniques, Network theorems, singularity functions, transient and natural responses, power, and state variable analysis. Upon completion, students should be able to analyze electric circuits involving capacitors, inductors, and resistors to determine required parameters. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

EGR215 requires prerequisite of MAT272, PHY251, PHY252 and MAT273
Type
Completion Requirement

Complete ALL of the following Courses:
- MAT272 - Calculus II
- MAT273 - Calculus III
- PHY251 - General Physics I
- PHY252 - General Physics II

EGR216 - Logic and Network Lab

Overview

Subject code	Course Number	Department(s)
EGR	216	Engineering Programs

Description

This course provides laboratory experiments in network measurements and logic design and laboratory equipment and techniques. Topics include network measurement and applications, experimental logic design and introduction to laboratory equipment and techniques. Upon completion, students should be able to complete network measurement logic design and be able to use laboratory equipment with proper techniques.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

EGR216 requires prerequisite of MAT272, PHY251 and EGR 215
Type
Completion Requirement

Complete ALL of the following Courses:
- MAT272 - Calculus II
- PHY251 - General Physics I
- EGR215 - Network Theory I

EGR220 - Engineering Statics

Overview

Subject code	Course Number	Department(s)
EGR	220	Engineering Programs

Description
This course introduces the concepts of engineering based on forces in equilibrium. Topics include concentrated forces, distributed forces, forces due to friction, and inertia as they apply to machines, structures, and systems. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EGR220 - Engineering Statics requires PHY251 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- PHY251 - General Physics I

Additional Comments:
Course EGR220 - Engineering Statics requires the Course(s) PHY251 to be completed as a Prerequisite.

Course EGR220 - Engineering Statics requires MAT272
Type
Prerequisite

Course EGR220 - Engineering Statics requires MAT272

Requisite Condition Not Found

Additional Comments:
Course EGR220 - Engineering Statics requires the Course(s) MAT272 to be completed as a Prerequisite or taken in parallel as a Corequisite.

EGR240 - Eng Practices and Principles

Overview

Subject code	Course Number
EGR	240

Course Requirements

Simple Requisites

Course EGR 240- Eng Practices and Principles requires EGR 150 to be completed before enrolling
Type
Prerequisite

Complete ALL of the following Courses:
- EGR150 - Introduction to Engineering

Additional Comments:
Course EGR 240- Eng Practices and Principles requires EGR 150 to be completed before enrolling

EGR250 - Statics/Strength of Mater

Overview

Subject code	Course Number	Department(s)
EGR	250	Engineering Programs

Description

This course includes vector analysis, equilibrium of force systems, friction, sectional properties, stress/strain, and deformation. Topics include resultants and components of forces, moments and couples, free-body diagrams, shear and moment diagrams, trusses, frames, beams, columns, connections, and combined stresses. Upon completion, students should be able to analyze simple structures. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course EGR250 - Statics/Strength of Mater requires MAT121 OR MAT171 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra

Course EGR250 - Statics/Strength of Mater recommends completion of PHY131 OR PHY151
Type
Completion Requirement

Course EGR250 - Statics/Strength of Mater recommends completion of PHY131 OR PHY151

Requisite Condition Not Found

ELC117 - Motors and Controls

Overview

Subject code	Course Number	Department(s)
ELC	117	Engineering Programs

Description

This course introduces the fundamental concepts of motors and motor controls. Topics include ladder diagrams, pilot devices, contactors, motor starters, motors, and other control devices. Upon completion, students should be able to properly select, connect, and troubleshoot motors and control circuits. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ELC117 - Motors and Controls requires ELC131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ELC131 - Circuit Analysis I

Additional Comments:
Course ELC117 - Motors and Controls requires the Course(s) ELC131 to be completed as a Prerequisite.

ELC128 - Intro to PLC

Overview

Subject code	Course Number	Department(s)
ELC	128	Engineering Programs

Description

This course introduces the programmable logic controller (PLC) and its associated applications. Topics include ladder logic diagrams, input/output modules, power supplies, surge protection, selection/installation of controllers, and interfacing of controllers with equipment. Upon completion, students should be able to understand basic PLC systems and create simple programs.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ELC128 - Intro to PLC requires MAT171
Type
Prerequisite

[object Object]

Additional Comments:
Course ELC128 - Intro to PLC requires the Course(s) MAT171 to be completed as a Prerequisite or taken in parallel as a Corequisite.

ELC131 - Circuit Analysis I

Overview

Subject code	Course Number	Department(s)
ELC	131	Engineering Programs

Description

This course introduces DC and AC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include DC and AC principles, circuit analysis laws and theorems, components, test equipment operation, circuit simulation, and other related topics. Upon completion, students should be able to interpret circuit schematics; design, construct, verify, and analyze DC/AC circuits; and properly use test equipment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

ELC213 - Instrumentation

Overview

Subject code	Course Number	Department(s)
ELC	213	Engineering Programs

Description

This course covers the fundamentals of instrumentation used in industry. Emphasis is placed on electric, electronic, and other instruments. Upon completion, students should be able to install, maintain, and calibrate instrumentation. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ELC213 - Instrumentation requires ELC131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ELC131 - Circuit Analysis I

Additional Comments:
Course ELC213 - Instrumentation requires the Course(s) ELC131 to be completed as a Prerequisite.

ELC228 - Programmable Logic Controllers Applications

Overview

Subject code	Course Number	Department(s)
ELC	228	Engineering Programs

Description

This course covers programming and applications of programmable logic controllers. Emphasis is placed on programming techniques, networking, specialty I/O modules, and system troubleshooting. Upon completion, students should be able to specify, implement, and maintain complex PLC controlled systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ELC228 - PLC Applications requires ELC128 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ELC128 - Intro to PLC

Additional Comments:
Course ELC228 - PLC Applications requires the Course(s) ELC128 to be completed as a Prerequisite.

ELN131 - Analog Electronics I

Overview

Subject code	Course Number	Department(s)
ELN	131	Engineering Programs

Description
This course introduces the characteristics and applications of semiconductor devices and circuits. Emphasis is placed on analysis, selection, biasing, and applications. Upon completion, students should be able to construct, analyze, verify, and troubleshoot analog circuits using appropriate techniques and test equipment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ELN131 - Analog Electronics I requires ELC131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ELC131 - Circuit Analysis I

Additional Comments:
Course ELN131 - Analog Electronics I requires the Course(s) ELC131 to be completed as a Prerequisite.

ELN133 - Digital Electronics

Overview

Subject code	Course Number	Department(s)
ELN	133	Engineering Programs

Description
This course covers combinational and sequential logic circuits. Topics include number systems, Boolean algebra, logic families, medium scale integration (MSI) and large scale integration (LSI) circuits, analog to digital (AD) and digital to analog (DA) conversion, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot digital circuits using appropriate techniques and test equipment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ELN133 - Digital Electronics requires ELC131
Type
Prerequisite

[object Object]

Additional Comments:
Course ELN133 - Digital Electronics requires the Course(s) ELC131 to be completed as a Prerequisite or taken in parallel as a Corequisite.

ELN150 - Electronics

Overview

Subject code
ELN

Course Number
150

Description
This course introduces computer-aided drafting, (CAD) with an emphasis on applications in the, electronics field. Topics include electronics, industry standards (symbols, schematic diagrams, layouts); drawing electronic circuit diagrams; and, specialized electronic drafting practices and, components such as resistors, capacitors, and ICs, Upon completion, students should be able to, prepare electronic drawings with CAD software. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course ELN150 - CAD for Electronics requires DFT170 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- DFT170 - Engineering Graphics

Additional Comments:
Course ELN150 - CAD for Electronics requires the Course(s) DFT170 to be completed as a Prerequisite.

ELN232 - Introduction to Microprocessors

Overview

Subject code
ELN

Course Number
232

Department(s)
Engineering Programs

Description
This course introduces microprocessor architecture and microcomputer systems including memory and input/output interfacing. Topics include low-level language programming, bus architecture, I/O systems, memory systems, interrupts, and other related topics. Upon completion, students should be able to interpret, analyze, verify, and troubleshoot fundamental microprocessor circuits and programs using appropriate techniques and test equipment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ELN232 - Intro to Microprocessors requires ELN133 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ELN133 - Digital Electronics

Additional Comments:
Course ELN232 - Intro to Microprocessors requires the Course(s) ELN133 to be completed as a Prerequisite.

ELN234 - Communication Systems

Overview

Subject code	Course Number	Department(s)
ELN	234	Engineering Programs

Description

This course introduces the fundamentals of electronic communication systems. Topics include the frequency spectrum, electrical noise, modulation techniques, characteristics of transmitters and receivers, and digital communications. Upon completion, students should be able to interpret analog and digital communication circuit diagrams, analyze transmitter and receiver circuits, and use appropriate communication test equipment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course ELN234 - Communication Systems requires ELC131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- ELC131 - Circuit Analysis I

Additional Comments:
Course ELN234 - Communication Systems requires the Course(s) ELC131 to be completed as a Prerequisite.

EMS110 - EMT

Overview

Subject code	Course Number	Department(s)
EMS	110	Public Safety Training Programs, Healthcare Programs

Description

This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification. Some online sections may require proctored exams.

Credits

Class Hours

6

Lab Hours

6

Clinic Hours

3

Work Exp Hours

0

Credit Hours

9

EMS115 - Defense Tactics for EMS

Overview

Subject code	Course Number	Department(s)
EMS	115	Public Safety Training Programs, Healthcare Programs

Description
This course is designed to provide tactics that, can be used for self-protection in dangerous and, violent situations. Emphasis is placed on, prediction, recognition, and response to dangerous, and violent situations. Upon completion, students, should be able to recognize potentially hostile, situations and protect themselves during a, confrontation. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

EMS120 - Advanced EMT

Overview

Subject code	Course Number	Department(s)
EMS	120	Public Safety Training Programs, Healthcare Programs

Description
This course is designed to provide the essential, information on pre-hospital management techniques, appropriate to the level of the Advanced EMT, Topics must meet current credentialing and/or, regulatory guidelines for the Advanced EMT as, outlined by the NC Office of EMS. Upon, completion, students should be able to, demonstrate competency at the Advanced EMT level. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

Course Requirements

Simple Requisites

Course EMS120 - Advanced EMT requires EMS110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS110 - EMT

Additional Comments:
Course EMS120 - Advanced EMT requires the Course(s) EMS110 to be completed as a Prerequisite.

Course EMS120 - Advanced EMT requires EMS121

Type
Prerequisite

Course EMS120 - Advanced EMT requires EMS121

Requisite Condition Not Found

Additional Comments:
Course EMS120 - Advanced EMT requires the Course(s) EMS121 to be completed as a Prerequisite or taken in parallel as a Corequisite.

EMS121 - AEMT Clinical Practicum

Overview

Subject code	Course Number	Department(s)
EMS	121	Public Safety Training Programs, Healthcare Programs

Description
This course provides the hospital and field, internship/clinical experiences required in, preparation for the Advanced EMT certification, Emphasis is placed on performing patient, assessments, treatments, and interactions, appropriate at the Advanced EMT level of care, Upon completion, students should be able to, demonstrate competency at the Advanced EMT skill, level. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EMS121 - AEMT Clinical Practicum requires EMS110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS110 - EMT

Additional Comments:
Course EMS121 - AEMT Clinical Practicum requires the Course(s) EMS110 to be completed as a Prerequisite.

Course EMS121 - AEMT Clinical Practicum requires EMS120

Type
Prerequisite

Course EMS121 - AEMT Clinical Practicum requires EMS120

Requisite Condition Not Found

Additional Comments:
Course EMS121 - AEMT Clinical Practicum requires the Course(s) EMS120 to be completed as a Prerequisite or taken in parallel as a Corequisite.

EMS122 - EMS Clinical Practicum I

Overview

Subject code	Course Number	Department(s)
EMS	122	Public Safety Training Programs, Healthcare Programs

Description
This course provides the introductory hospital clinical experience for the paramedic student. Emphasis is placed on mastering fundamental paramedic skills. Upon completion, students should be able to demonstrate competency with fundamental paramedic level skills. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

3

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course EMS122 - EMS Clinical Practicum I requires EMS110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS110 - EMT

Additional Comments:
Course EMS122 - EMS Clinical Practicum I requires the Course(s) EMS110 to be completed as a Prerequisite.

EMS125 - EMS Instructor Methodology

Overview

Subject code	Course Number	Department(s)
EMS	125	Public Safety Training Programs, Healthcare Programs

Description
This course covers the information needed to, develop and instruct EMS courses. Topics include, instructional methods, lesson plan development, time management skills, and theories of adult, learning. Upon completion, students should be, able to teach EMS courses and meet the North, Carolina EMS requirements for instructor, methodology. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EMS130 - Pharmacology

Overview

Subject code	Course Number	Department(s)
EMS	130	Public Safety Training Programs, Healthcare Programs

Description
This course introduces the fundamental principles of pharmacology and medication administration and is required for paramedic certification. Topics include medical terminology, pharmacological concepts, weights, measures, drug calculations, vascular access for fluids and medication administration and legislation. Upon completion, students should be able to accurately calculate drug dosages, properly administer medications, and demonstrate general knowledge of pharmacology. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course EMS130 - Pharmacology requires EMS110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS110 - EMT

Additional Comments:
Course EMS130 - Pharmacology requires the Course(s) EMS110 to be completed as a Prerequisite.

EMS131 - Advanced Airway Management

Overview

Subject code
EMS

Course Number
131

Department(s)
Public Safety Training Programs, Healthcare Programs

Description
This course is designed to provide advanced airway management techniques and is required for paramedic certification. Topics must meet current guidelines for advanced airway management in the pre-hospital setting. Upon completion, students should be able to properly utilize all airway adjuncts and pharmacology associated with airway control and maintenance. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EMS131 - Advanced Airway Management requires EMS110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS110 - EMT

Additional Comments:
Course EMS131 - Advanced Airway Management requires the Course(s) EMS110 to be completed as a Prerequisite.

EMS140A - Rescue Scene Skills Lab

Overview

Subject code
EMS

Course Number
140A

Department(s)
Public Safety Training Programs

Description
This course is designed to provide enhanced rescue scene skills for EMS providers. Emphasis is placed on advanced rescue scene evolutions including hazardous materials and major incident response. Upon completion, students should be able to demonstrate skills necessary to safely effect patients rescue in a variety of situations.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

EMS150 - Emergency Vehicles & EMS Communications

Overview

Subject code
EMS

Course Number
150

Department(s)
Public Safety Training Programs

Description
This course covers the principles governing emergency vehicles, maintenance of emergency vehicles, and EMS communication equipment. Topics include applicable motor vehicle laws affecting emergency vehicle operation, defensive driving, collision avoidance techniques, communication systems, and information management systems. Upon completion, students should have a basic knowledge of emergency vehicles, maintenance, and communication needs. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

EMS160 - Cardiology I

Overview

Subject code
EMS

Course Number
160

Department(s)
Public Safety Training Programs, Healthcare Programs

Description
This course introduces the study of cardiovascular emergencies and is required for paramedic certification. Topics include anatomy and physiology, pathophysiology, electrophysiology, and rhythm interpretation. Upon completion, students should be able to recognize and interpret rhythms. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EMS160 - Cardiology I requires EMS110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS110 - EMT

Additional Comments:
Course EMS160 - Cardiology I requires the Course(s) EMS110 to be completed as a Prerequisite.

EMS220 - Cardiology II

Overview

Subject code
EMS

Course Number
220

Department(s)
Public Safety Training Programs, Healthcare Programs

Description
This course provides an in-depth study of cardiovascular emergencies and is required for paramedic certification. Topics include assessment and treatment of cardiac emergencies, cardiac pharmacology, and patient care. Upon completion, students should be able to manage the cardiac patient. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EMS220 - Cardiology II requires EMS122 AND EMS130 AND EMS160 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS122 - EMS Clinical Practicum I
  AND EMS130 - Pharmacology
  AND EMS160 - Cardiology I

Additional Comments:
Course EMS220 - Cardiology II requires the Course(s) EMS122 AND EMS130 AND EMS160 to be completed as a Prerequisite.

EMS221 - EMS Clinical Practicum II

Overview

Subject code
EMS

Course Number
221

Department(s)
Public Safety Training Programs, Healthcare Programs

Description
This course provides clinical experiences in the hospital and/or field. Emphasis is placed on increasing the proficiency of students' skills and abilities in patient assessments and the delivery of care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EMS221 - EMS Clinical Practicum II requires EMS121 OR EMS122 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS121 - AEMT Clinical Practicum
  OR EMS122 - EMS Clinical Practicum I

Additional Comments:
Course EMS221 - EMS Clinical Practicum II requires the Course(s) EMS121 OR EMS122 to be completed as a Prerequisite.

EMS231 - EMS Clinical Practicum III

Overview

Subject code	Course Number	Department(s)
EMS	231	Public Safety Training Programs, Healthcare Programs

Description
This course provides clinical experiences in the, hospital and/or field. Emphasis is placed on, enhancing the students' skills and abilities in, providing advanced-level care. Upon completion, students should be able to demonstrate continued, progress in advanced-level patient care. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

9

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course EMS231 - EMS Clinical Pract III requires EMS221 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS221 - EMS Clinical Practicum II

Additional Comments:
Course EMS231 - EMS Clinical Pract III requires the Course(s) EMS221 to be completed as a Prerequisite.

EMS235 - EMS Management

Overview

Subject code	Course Number	Department(s)
EMS	235	Public Safety Training Programs, Healthcare Programs

Description
This course stresses the principles of managing a, modern emergency medical service system. Topics, include structure and function of municipal, governments, EMS grantsmanship, finance, regulatory agencies, system management, legal, issues, and other topics relevant to the EMS, manager. Upon completion, students should be able, to understand the principles of managing emergency, medical service delivery systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

EMS240 - Patients with Special Challenges

Overview

Subject code
EMS

Course Number
240

Department(s)
Public Safety Training Programs, Healthcare Programs

Description
This course includes concepts of crisis intervention and techniques of interacting with patients with special challenges and is required for paramedic certification. Topics include appropriate intervention and interaction for neglected, abused, terminally ill, chronically ill, technology assisted, bariatric, physically challenged, mentally challenged, or assaulted patients as well as behavioral emergencies. Upon completion, students should be able to recognize and manage the care of patients with special challenges. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EMS240 - Patients W/ Special Challenges requires EMS122 AND EMS130 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS122 - EMS Clinical Practicum I
  AND EMS130 - Pharmacology

Additional Comments:

Course EMS240 - Patients W/ Special Challenges requires the Course(s) EMS122 AND EMS130 to be completed as a Prerequisite.

EMS241 - EMS Clinical Practicum IV

Overview

Subject code	Course Number	Department(s)
EMS	241	Public Safety Training Programs, Healthcare Programs

Description
This course provides clinical experiences in the hospital and/or field. Emphasis is placed on mastering the skills/competencies required of the paramedic providing advanced-level care. Upon completion, students should be able to provide advanced-level patient care as an entry-level paramedic. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

12

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course EMS241 - EMS Clinical Practicum IV requires EMS231 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS231 - EMS Clinical Practicum III

Additional Comments:
Course EMS241 - EMS Clinical Practicum IV requires the Course(s) EMS231 to be completed as a Prerequisite.

EMS250 - Medical Emergencies

Overview

Subject code	Course Number	Department(s)
EMS	250	Public Safety Training Programs, Healthcare Programs

Description
This course provides an in-depth study of medical, conditions frequently encountered in the, prehospital setting and is required for paramedic, certification. Topics include appropriate, interventions/ treatments for, disorders/diseases/injuries affecting the, following systems: respiratory, neurological, abdominal/gastrointestinal, endocrine, genitourinary, musculoskeletal, and immunological, as well as toxicology, infectious diseases and, diseases of the eyes, ears, nose and throat. Upon, completion, students should be able to recognize, assess and manage the care of frequently, encountered medical conditions based upon initial, patient assessment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course EMS250 - Medical Emergencies requires EMS122 AND EMS130 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS122 - EMS Clinical Practicum I
  AND EMS130 - Pharmacology

Additional Comments:
Course EMS250 - Medical Emergencies requires the Course(s) EMS122 AND EMS130 to be completed as a Prerequisite.

EMS260 - Trauma Emergencies

Overview

Subject code	Course Number	Department(s)
EMS	260	Public Safety Training Programs, Healthcare Programs

Description
This course provides in-depth study of trauma including pharmacological interventions for conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include an overview of thoracic, abdominal, genitourinary, orthopedic, neurological, and multi-system trauma, soft tissue trauma of the head, neck, and face as well as environmental emergencies. Upon completion, students should be able to recognize and manage trauma situations based upon patient assessment and should adhere to standards of care. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EMS260 - Trauma Emergencies requires EMS122 AND EMS130 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS122 - EMS Clinical Practicum I
  AND EMS130 - Pharmacology

Additional Comments:
Course EMS260 - Trauma Emergencies requires the Course(s)

EMS122 AND EMS130 to be completed as a Prerequisite.

EMS270 - Life Span Emergencies

Overview

Subject code
EMS

Course Number
270

Department(s)
Public Safety Training Programs, Healthcare Programs

Description
This course covers medical/ethical/legal issues, and the spectrum of age-specific emergencies from, conception through death required for paramedic, certification. Topics include gynecological, obstetrical, neonatal, pediatric, and geriatric, emergencies and pharmacological therapeutics, Upon completion, students should be able to, recognize and treat age-specific emergencies. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course EMS270 - Life Span Emergencies requires EMS122 AND EMS130 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EMS122 - EMS Clinical Practicum I
  AND EMS130 - Pharmacology

Additional Comments:
Course EMS270 - Life Span Emergencies requires the Course(s) EMS122 AND EMS130 to be completed as a Prerequisite.

EMS285 - EMS Capstone

Overview

Subject code	Course Number	Department(s)
EMS	285	Public Safety Training Programs, Healthcare Programs

Description

This course provides an opportunity to demonstrate problem-solving skills as a team leader in simulated patient scenarios and is required for paramedic certification. Emphasis is placed on critical thinking, integration of didactic and psychomotor skills, and effective performance in simulated emergency situations. Upon completion, students should be able to recognize and appropriately respond to a variety of EMS-related events. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course EMS285 - EMS Capstone requires EMS220 AND EMS250 AND EMS260 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- EMS220 - Cardiology II
  AND EMS250 - Medical Emergencies
  AND EMS260 - Trauma Emergencies

Additional Comments:

Course EMS285 - EMS Capstone requires the Course(s) EMS220 AND EMS250 AND EMS260 to be completed as a Prerequisite.

ENG002 - Transition English

Overview

Subject code	Course Number	Department(s)
ENG	002	Transfer Programs

Description

This course provides an opportunity to customize foundational English content in specific areas and will include developing a growth mindset. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in college-level English. Upon completion, students should be able to build a stronger foundation for success in their gateway level English courses by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

ENG2 - Transition English

Overview

Subject code	Course Number
ENG	2

Description

This course provides an opportunity to customize, foundational English content in specific areas, and will include developing a growth mindset, Topics include developing the academic habits, learning strategies, social skills, and growth, mindset necessary to be successful in, college-level English. Upon completion, students, should be able to build a stronger foundation for, success in their gateway level English courses by, obtaining skills through a variety of, instructional strategies with emphasis placed on, the most essential prerequisite knowledge.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ENG011 - Writing and Inquiry Support

Overview

Subject code	Course Number	Department(s)
ENG	011	Transfer Programs

Description

This course is designed to support students in the development of skills necessary for success in ENG 111 by complementing, supporting, and reinforcing ENG 111 Student Learning Outcomes. Emphasis is placed on developing a growth mindset, expanding skills for use in active reading and writing processes, recognizing organizational relationships within texts from a variety of genres and formats, and employing appropriate technology when reading and composing texts. Upon completion, students should be able to apply active reading strategies to college-level texts and produce unified, well-developed writing using standard written English. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

ENG11 - Writing and Inquiry Support

Overview

Subject code
ENG

Course Number
11

Description
This course is designed to support students in, the development of skills necessary for success, in ENG 111 by complementing, supporting, and, reinforcing ENG 111 Student Learning Outcomes, Emphasis is placed on developing a growth, mindset, expanding skills for use in active, reading and writing processes, recognizing, organizational relationships within texts from a, variety of genres and formats, and employing, appropriate technology when reading and composing, texts. Upon completion, students should be able, to apply active reading strategies to, college-level texts and produce unified, well-developed writing using standard written, English.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

ENG045 - English Skills Support

Overview

Subject code
ENG

Course Number
045

Course Requirements

No Requirements

ENG110 - Workplace Writing Essentials

Overview

Subject code
ENG

Course Number
110

Department(s)
Transfer Programs

Description
This course is designed to develop informative and business writing skills. Emphasis is placed on logical organization of writing, including effective introductions and conclusions, precise use of grammar, and appropriate selection and use of sources. Upon completion, students should be able to produce clear, concise, well-organized short papers. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ENG110 - Freshman Composition requires ENG002P1 or BSP4002P1 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course ENG110 - Freshman Composition requires the Course(s) ENG002P1 or BSP4002P1 to be completed as a Prerequisite.

Course ENG110 - Freshman Composition requires DRE097 OR ENG002 OR BSP4002 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- ENG002 - Transition English
  OR BSP4002 - Transition English

Additional Comments:
Course ENG110 - Freshman Composition requires the Course(s) DRE097 OR ENG002 OR BSP4002 to be completed as a Prerequisite.

ENG111 - Writing and Inquiry

Overview

Subject code	Course Number	Department(s)
ENG	111	Transfer Programs

Description
This course is designed to develop the ability to produce clear writing in a variety of genres and formats using a recursive process. Emphasis includes inquiry, analysis, effective use of rhetorical strategies, thesis development, audience awareness, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Developmental courses may be required for enrollment
Type
Completion Requirement

ENG112 - Writing & Research in the Disciplines

Overview

Subject code	Course Number	Department(s)
ENG	112	E, G, N, Transfer Programs

Description
This course, the second in a series of two, introduces research techniques, documentation styles, and writing strategies. Emphasis is placed on analyzing information and ideas and incorporating research findings into documented writing and research projects. Upon completion, students should be able to evaluate and synthesize information from primary and secondary sources using documentation appropriate to various disciplines. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

ENG112 requires prerequisite of ENG111
Type
Completion Requirement

ENG113 - Literature-Based Research

Overview

Subject code	Course Number	Department(s)
ENG	113	Transfer Programs

Description

This course, the second in a series of two, expands the concepts developed in ENG 111 by focusing on writing that involves literature-based research and documentation. Emphasis is placed on critical reading and thinking and the analysis and interpretation of prose, poetry, and drama: plot, characterization, theme, cultural context, etc. Upon completion, students should be able to construct mechanically-sound, documented essays and research papers that analyze and respond to literary works. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

ENG113 requires prerequisite of ENG111
Type
Completion Requirement

ENG114 - Professional Research & Reporting

Overview

Subject code	Course Number	Department(s)
ENG	114	Transfer Programs

Description

This course, the second in a series of two, is designed to teach professional communication skills. Emphasis is placed on research, listening, critical reading and thinking, analysis, interpretation, and design used in oral and written presentations. Upon completion, students should be able to work individually and collaboratively to produce well-designed business and professional written and oral presentations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ENG114 - Prof Research & Reporting requires ENG111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course ENG114 - Prof Research & Reporting requires the Course(s) ENG111 to be completed as a Prerequisite.

ENG125 - Creative Writing I

Overview

Subject code	Course Number	Department(s)
ENG	125	Transfer Programs

Description

This course is designed to provide students with the opportunity to practice the art of creative writing. Emphasis is placed on writing, fiction, poetry, and sketches. Upon completion, students should be able to craft and critique their own writing and critique the writing of others. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

ENG125 requires prerequisite of ENG111
Type
Completion Requirement

ENG231 - American Literature I

Overview

Subject code	Course Number	Department(s)
ENG	231	Transfer Programs

Description

This course covers selected works in American literature from its beginnings to 1865. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

ENG231 requires prerequisite of one of the following: ENG112, ENG113 or ENG114
Type
Completion Requirement

ENG232 - American Literature II

Overview

Subject code	Course Number	Department(s)
ENG	232	Transfer Programs

Description

This course covers selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

ENG232 requires prerequisite of one of the following: ENG112, ENG113 or ENG114
Type
Completion Requirement

ENG241 - British Literature I

Overview

Subject code	Course Number	Department(s)
ENG	241	Transfer Programs

Description

This course covers selected works in British literature from its beginnings to the Romantic Period. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ENG241 - British Literature I requires ENG112 OR ENG113 OR ENG114 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- **OR** ENG113 - Literature-Based Research
  OR ENG114 - Professional Research & Reporting

ENG242 - British Literature II

Overview

Subject code	Course Number	Department(s)
ENG	242	Transfer Programs

Description

This course covers selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ENG242 - British Literature II requires ENG112 OR ENG113 OR ENG114 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- **OR** ENG113 - Literature-Based Research
  OR ENG114 - Professional Research & Reporting

ENG252 - Western World Literature

Overview

Subject code	Course Number	Department(s)
ENG	252	Transfer Programs

Description

This course provides a survey of selected European works from the Neoclassical period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

ENG252 requires prerequisite of ENG112, ENG113, or ENG114
Type
Completion Requirement

ENG262 - World Literature II

Overview

Subject code	Course Number	Department(s)
ENG	262	Transfer Programs

Description

This course introduces selected works from the, Pacific, Asia, Africa, Europe, and the Americas, from the eighteenth century to the present, Emphasis is placed on historical background, cultural context, and literary analysis of, selected prose, poetry, and drama. Upon, completion, students should be able to interpret, analyze, and respond to selected works. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ENG262 - World Literature II requires ENG112 OR ENG113 OR ENG114 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- **OR** ENG113 - Literature-Based Research
  OR ENG114 - Professional Research & Reporting

ENG272 - Southern Literature

Overview

Subject code	Course Number	Department(s)
ENG	272	Transfer Programs

Description

This course provides an analytical study of the, works of several Southern authors. Emphasis is, placed on the historical and cultural contexts, themes, aesthetic features of individual works, and biographical backgrounds of the authors. Upon, completion, students should be able to interpret, analyze, and discuss selected works. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ENG272 - Southern Literature requires ENG112 OR ENG113 OR ENG114 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- **OR** ENG113 - Literature-Based Research
  OR ENG114 - Professional Research & Reporting

ENV110 - Environmental Science

Overview

Subject code	Course Number	Department(s)
ENV	110	Engineering Programs

Description

This course covers fundamental scientific principles and problems facing society today. Topics include population, natural resources, air and water pollution, and waste disposal problems. Upon completion, students should be able to demonstrate insight into the role the individual plays in shaping the environment.
Competencies
·Student Learning Outcomes
1. Identify local, regional, state, national and worldwide environmental concerns.
2. Identify the natural processes within the biosphere.
3. Differentiate between reserves, resources, renewable resources and nonrenewable resources.
4. Identify ways to practice energy conservation.
5. Compare the relationship between world hunger, overpopulation and the green revolution.
6. Identify people who have shaped the environmental movement.

Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ENV210 - Management of Waste

Overview

Subject code	Course Number	Department(s)
ENV	210	Engineering Programs

Description

This course examines contemporary environmental issues concerning the disposal of wastes. Topics include problems associated with the disposal of municipal solid waste, low-level radioactive waste, high-level radioactive waste, hazardous waste, and toxic materials. Upon completion, students should be able to demonstrate an understanding of the methodologies and technologies involved in the proper handling and disposal of wastes.
Competencies
·Student Learning Outcomes
1. Identify the application of recognized treatment technologies to waste streams in the various media.
2. Compare and contrast the metabolism of both aerobic and anaerobic microorganisms that are responsible for the results of most biological treatment technologies
3. Define and state the implications of various bioremediation treatment technologies.
4. Evaluate the environmental effect of industrial waste.

Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

ENV214 - Water Quality

Overview

Subject code	Course Number	Department(s)
ENV	214	Engineering Programs

Description

This course examines the constituents of natural waters from a biological and geochemical perspective. Topics include common components of water, water sources, water law, health consequences, water treatment procedures, and the design of water treatment plants. Upon completion, students should be able to demonstrate an understanding of the biological, chemical, and geological factors affecting water quality. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

ENV226 - Environmental Law

Overview

Subject code	Course Number	Department(s)
ENV	226	Engineering Programs

Description

This course covers federal laws and acts concerning environmental quality standards and the use of resources, legal procedures for enforcing laws, and problems concerning enforcement. Emphasis is placed on environmental law basics, water quality laws, air quality laws, waste disposal laws, and biological resource protection laws. Upon completion, students should be able to demonstrate an understanding of federal/state environmental laws and their importance to the protection of environmental quality. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EPT120 - Sociology of Disaster

Overview

Subject code	Course Number	Department(s)
EPT	120	Public Safety Training Programs

Description

This course is designed to overview sociological, disaster research, disaster systems, and, alternative research approaches. Topics include, human and organizational behaviors, long disaster, impact on communities, disaster warning, and, evacuation considerations. Upon completion, students should be able to assess and predict the, impact of disaster-related human behavior. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EPT130 - Mitigation & Preparedness

Overview

Subject code	Course Number	Department(s)
EPT	130	Public Safety Training Programs

Description

This course introduces the mitigation and, preparation techniques and methods necessary to, minimize the impact of natural, technological, and, man-made disasters. Topics include hazard, identification and mapping, design and, construction applications, financial incentives, insurance, structural controls, preparation, planning, assessment, implementation, and, exercises. Upon completion students should be, able to develop a mitigation and preparedness, plan. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EPT140 - Emergency Management

Overview

Subject code	Course Number	Department(s)
EPT	140	Public Safety Training Programs

Description

This course covers the four phases of emergency, management: mitigation, preparedness, response, and recovery. Topics include organizing for, emergency management, coordinating for community, resources, public sector liability, and the roles, of government agencies at all levels. Upon, completion, students should be able to, demonstrate an understanding of comprehensive, emergency management and the integrated emergency, management system. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EPT150 - Incident Management

Overview

Subject code	Course Number	Department(s)
EPT	150	Public Safety Training Programs

Description

This course introduces the National Incident, Management System (NIMS). Topics include, integrating command and control systems, maintaining communication within command and, control systems, and using NIMS procedures. Upon, completion, students should be able to demonstrate, knowledge of key concepts necessary for operating, within the National Incident Management System. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EPT210 - Response & Recovery

Overview

Subject code	Course Number	Department(s)
EPT	210	Public Safety Training Programs

Description

This course introduces the basic concepts, operational procedures, and authorities involved, in response and recovery efforts to major, disasters. Topics include federal, state, and, local roles and responsibilities in major, disaster, response, and recovery work, with an, emphasis on governmental coordination. Upon, completion, students should be able to implement a, disaster response plan and assess the needs of, those involved in a major disaster. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EPT220 - Terrorism and Emerergency Management

Overview

Subject code	Course Number	Department(s)
EPT	220	Public Safety Training Programs

Description

This course covers preparing for, responding to, and safely mitigating terrorism incidents. Topics, include the history of terrorism, scene hazards, evidence preservation, risk assessment, roles and, responsibilities, explosive recognition, and, terrorism planning. Upon completion, students, should be able to recognize the threat of, terrorism and operate within the emergency, management framework at a terrorism incident. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

EPT275 - Emergency Operations Center Management

Overview

Subject code	Course Number	Department(s)
EPT	275	Public Safety Training Programs

Description

This course provides students with the knowledge, and skills to effectively manage and operate an, emergency operations center (EOC) during crisis, situations.Topics include properly locating and, designing an EOC, staffing, training and briefing, EOC personnel, and how to operate an EOC. Upon, completion, students should be able to demonstrate, how to set up and operate an effective emergency, operations center. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ETR220 - Innovation and Creativity

Overview

Subject code	Course Number	Department(s)
ETR	220	Business Programs

Description

This course provides a study of developing and enhancing individual and organizational creativity and innovation. Topics include that innovation needs to be applied to products, services, and processes to increase competitive advantages and add value to businesses. Upon completion, students should be able to apply innovation and creativity principles in the work place. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ETR230 - Entrepreneur Marketing

Overview

Subject code	Course Number	Department(s)
ETR	230	Business Programs

Description

This course covers the techniques to correctly research and define the target market to increase sales for start up businesses or to expand current businesses. Topics include how to target market and meet customers' needs with a limited budget in the early stages of the life of a start up business. Upon completion, students should be able to demonstrate an understanding of how to correctly target market for a start-up business with limited resources. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ETR240 - Funding for Entrepreneurs

Overview

Subject code	Course Number	Department(s)
ETR	240	Business Programs

Description

This course provides a focus on the financial issues and needs confronting entrepreneurs attempting to grow their businesses by attracting startup and growth capital. Topics include sources of funding including angel investors, venture capital, IPO's, private placement, banks, suppliers, buyers, partners, and the government. Upon completion, students should be able to demonstrate an understanding of how to effectively finance a business venture. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

ETR240 requires prerequisite of ACC120

Type

Completion Requirement

State Prerequisite

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting

FIP120 - Introduction to Fire Protection

Overview

Subject code	Course Number	Department(s)
FIP	120	Public Safety Training Programs

Description

This course provides an overview of the development, methods, systems and regulations that apply to the fire protection field. Topics include history, evolution, statistics, suppression, organizations, careers, curriculum, and related subjects. Upon completion, students should be able to demonstrate a broad understanding of the fire protection field. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP124 - Fire Prevention & Public Education

Overview

Subject code	Course Number	Department(s)
FIP	124	Public Safety Training Programs

Description

This course introduces fire prevention concepts as they relate to community and industrial operations referenced in NFPA standard 101. Topics include the development and maintenance of fire prevention programs, educational programs, and inspection programs. Upon completion, students should be able to research, develop, and present a fire safety program to a citizens or industrial group. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP128 - Detection & Investigation

Overview

Subject code	Course Number	Department(s)
FIP	128	Public Safety Training Programs

Description

This course covers procedures for determining the origin and cause of accidental and incendiary fires referenced in NFPA standard 921. Topics include collection and preservation of evidence, detection and determination of accelerants, courtroom procedure and testimony, and documentation of the fire scene. Upon completion, students should be able to conduct a competent fire investigation and present those findings to appropriate officials or equivalent. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP132 - Building Construction

Overview

Subject code	Course Number	Department(s)
FIP	132	Public Safety Training Programs

Description

This course covers the principles and practices reference in NFPA standard 220 related to various types of building construction,including residential and commercial, as impacted by fire conditions. Topics include types of construction and related elements, fire resistive aspects of construction materials, building codes, collapse, and other related topics. Upon completion, students should be able to understand and recognize various types of construction and their positive or negative aspects as related to fire conditions. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP136 - Inspections & Codes

Overview

Subject code	Course Number	Department(s)
FIP	136	Public Safety Training Programs

Description

This course covers the fundamentals of fire and, building codes and procedures to conduct an, inspection referenced in NFPA standard 1730, Topics include review of fire and building codes, writing inspection reports, identifying hazards, plan reviews, site sketches, and other related, topics. Upon completion, students should be able, to conduct a fire code compliance inspection and, produce a written report. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP146 - Fire Protection Systems

Overview

Subject code	Course Number	Department(s)
FIP	146	Public Safety Training Programs

Description

This course introduces various types of automatic sprinklers, standpipes, fire alarm systems, and fixed and portable extinguishing systems referenced in NFPA standard 25, including their operation, installation, and maintenance. Topics include wet and dry systems, testing and maintenance, water supply requirements, fire detection and alarm systems, including application, testing, and maintenance of Halon, carbon dioxide, dry chemical, and special extinguishing agents utilized in fixed and portable systems. Upon completion, students should be able to demonstrate a working knowledge of sprinkler and alarm systems, both fixed and portable, including appropriate application, operation, inspection, and maintenance requirements. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

FIP152 - Fire Protection Law

Overview

Subject code	Course Number	Department(s)
FIP	152	Public Safety Training Programs

Description

This course covers fire protection law as referenced in NFPA standard 1. Topics include legal terms, contracts, liability, review of case histories, and other related topics. Upon completion, students should be able to discuss laws, codes, and ordinances as they relate to fire protection. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP160 - Fire Protection-Electrical

Overview

Subject code	Course Number	Department(s)
FIP	160	Public Safety Training Programs

Description

This course covers the methods and means of electrical installations and uses as related to fire referenced in NFPA standard 70. Topics include basic electrical theories, wiring methods, electrical components and circuitry, and an introduction to the National Electrical Code. Upon completion, students should be able to demonstrate a basic knowledge of electricity, including its uses, characteristics, and hazards.
Competencies
·Student Learning Outcomes
1. Describe the different types of electrical installations.
2. Demonstrate knowledge of basic electricity.
3. Describe the hazards associated with electricity.
4. Demonstrate the ability to interpret basic wiring schematics.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

FIP160A - Fire Protection-Electrical Lab

Overview

Subject code	Course Number	Department(s)
FIP	160A	Public Safety Training Programs

Description

This course provides practical applications in electrical installations referenced in NFPA standard 70. Topics include switching devices, basic circuits, electrical distribution, and other related topics. Upon completion, students should be able to demonstrate knowledge of basic electrical equipment and hazards as related to fire protection.
Competencies
·Student Learning Outcomes
1. Describe basic components of electricity.
2. Describe a basic electrical distribution schematic.
3. Demonstrate knowledge of basic electrical equipment.
4. Describe safety precautions required when working with electricity.

Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Corequisite of FIP160 is required
Type
Corequisite

FIP164 - OSHA Standards

Overview

Subject code	Course Number	Department(s)
FIP	164	Public Safety Training Programs

Description

This course covers public and private sector OSHA, work site requirements referenced in NFPA, standard 1250. Emphasis is placed on accident, prevention and reporting, personal safety, machine operations, and hazardous material, handling. Upon completion, students should be, able to analyze and interpret specific OSHA, regulations and write workplace policies designed, to achieve compliance. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP220 - Fire Fighting Strategies

Overview

Subject code
FIP

Course Number
220

Department(s)
Public Safety Training Programs

Description
This course provides preparation for command of initial incident operations involving emergencies within both the public and private sector referenced in NFPA standards 1561, 1710, and 1720. Topics include incident management, fire-ground tactics and strategies, incident safety, and command/control of emergency operations. Upon completion, students should be able to describe the initial incident system as it relates to operations involving various emergencies in fire and non-fire situations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP221 - Advanced Fire Fighting Strategies

Overview

Subject code
FIP

Course Number
221

Department(s)
Public Safety Training Programs

Description
This course covers command-level operations for multi-company/ agency operations involving fire and non-fire emergencies. Topics include advanced use of the Incident Command System(ICS), advanced incident analysis, command-level fire operations, and control of both man made and natural major disasters. Upon completion, students should be able to describe proper and accepted systems for the mitigation of emergencies at the level of overall scene command. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FIP221 - Adv Fire Fighting Strat requires FIP220 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FIP220 - Fire Fighting Strategies

Additional Comments:
Course FIP221 - Adv Fire Fighting Strat requires the Course(s) FIP220 to be completed as a Prerequisite.

FIP224 - Fire Instructor I and II

Overview

Subject code	Course Number	Department(s)
FIP	224	Public Safety Training Programs

Description

This course covers the knowledge, skills, and abilities needed to train others in fire service operations. Topics include planning, presenting, and evaluating lesson plans, learning styles, use of media, communication, and other related topics. Upon completion, students should be able to meet the requirements of the Fire Instructor I and II objectives from National Fire Protection Association (NFPA) 1041. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

FIP226 - Fire Officer I and II

Overview

Subject code	Course Number	Department(s)
FIP	226	Public Safety Training Programs

Description

This course covers the knowledge, skills, and requirements referenced in the National Fire Protection Association (NFPA) Standard 1021 for Fire Officer I and II training. Topics include officer roles and responsibilities, budgets, fire cause determination, inspections, education, leadership, management, public relations, and other requirements included in the NFPA standard. Upon completion, students should be able to demonstrate an understanding of relevant NFPA standards as required for state Fire Officer I and II certification. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

FIP228 - Local Government Finance

Overview

Subject code	Course Number	Department(s)
FIP	228	Public Safety Training Programs

Description

This course introduces local governmental financial principles and practices. Topics include budget preparation and justification, revenue policies, statutory requirements, audits, and the economic climate. Upon completion, students should be able to comprehend the importance of finance as it applies to the operations of a department. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP229 - Fire Dynamics and Combustion

Overview

Subject code	Course Number	Department(s)
FIP	229	Public Safety Training Programs

Description

This course covers the theories and fundamentals of how and why fires start and spread, and how they are safely controlled referenced in NFPA standard 1001. Topics include components of fire, fire sources, fire behavior, properties of combustible solids, classification of hazards, and the use of fire extinguishing agents. Upon completion, students should be able to describe the properties of matter and dynamics of fire, identify fuel sources, and compare suppressants and extinguishment techniques.
Competencies
·Student Learning Outcomes
1. Describe the theories and fundamentals of fire behavior.
2. Determine classifications of fire.
3. Describe the properties of matter and dynamics of fire.
4. Describe different fire sources and compare different suppressants and extinguishment techniques.

Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP230 - Chemistry of Hazardous Materials I

Overview

Subject code	Course Number	Department(s)
FIP	230	Public Safety Training Programs

Description

This course covers the evaluation of hazardous materials referenced in NFPA standard 1072. Topics include use of the periodic table, hydrocarbon derivatives, placards and labels, parameters of combustion, and spill and leak mitigation. Upon completion, students should be able to demonstrate knowledge of the chemical behavior of hazardous materials. Some online sections may require proctored exams.

Credits

Class Hours

5

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

FIP232 - Hydraulics and Water Distribution

Overview

Subject code	Course Number	Department(s)
FIP	232	Public Safety Training Programs

Description

This course covers the flow of fluids through fire hoses, nozzles, appliances, pumps, standpipes, water mains, and other devices reference in NFPA standard 25. Emphasis is placed on supply and delivery systems, fire flow testing, hydraulic calculations, and other related topics. Upon completion, students should be able to perform hydraulic calculations, conduct water availability tests, and demonstrate knowledge of water distribution systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP240 - Fire Service Supervision

Overview

Subject code	Course Number	Department(s)
FIP	240	Public Safety Training Programs

Description
This course covers supervisory skills and, practices in the fire protection field. Topics, include the supervisor's job, supervision skills, the changing work environment, managing change, organizing for results, discipline and grievances, and safety. Upon completion, students should be, able to demonstrate an understanding of the roles, and responsibilities of effective fire service, supervision, meeting elements of NFPA 1021. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP244 - Fire Protection Project

Overview

Subject code	Course Number
FIP	244

Description
This course provides an opportunity to apply knowledge covered in previous courses to employment situations that the fire protection professional will encounter referenced in NFPA standard 1001. Emphasis is placed on the development of comprehensive and professional practices. Upon completion, students should be able to demonstrate knowledge of the fire protection service through written and performance evaluations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP248 - Fire Service Personnel Administration

Overview

Subject code	Course Number	Department(s)
FIP	248	Public Safety Training Programs

Description

This course covers the basics of setting up and, administering the personnel functions of fire, protection organizations referenced in NFPA, standard 1021. Emphasis is placed on human, resource planning, classification and job, analysis, equal opportunity employment, affirmative action, recruitment, retention, development, performance evaluation, and, assessment centers. Upon completion, students, should be able to demonstrate knowledge of the, personnel function as it relates to managing fire, protection. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP256 - Municipal Public Relations

Overview

Subject code	Course Number	Department(s)
FIP	256	Public Safety Training Programs

Description

This course is a general survey of municipal, public relations and their effect on the, governmental process referenced in NFPA standard, 1035. Topics include principles of public, relations, press releases, press conferences, public information officers, image surveys, and, the effects of perceived service on fire, protection delivery. Upon completion, students, should be able to manage public relations, functions of organizations which meet elements of, NFPA 1021 for Fire Officer I and II. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP260 - Fire Protection Planning

Overview

Subject code	Course Number	Department(s)
FIP	260	Public Safety Training Programs

Description

This course covers the need for a comprehensive approach to fire protection planning referenced in NFPA standards 424 and 1620. Topics include the planning process, using an advisory committee, establishing goals and objectives, and techniques used to approve and implement a plan. Upon completion, students should be able to demonstrate a working knowledge of the concepts and principles of planning as it relates to fire protection. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP276 - Managing Fire Services

Overview

Subject code	Course Number	Department(s)
FIP	276	Public Safety Training Programs

Description

This course provides an overview of fire department operative services referenced in NFPA standard 1021. Topics include finance, staffing, equipment, code enforcement,management information, specialized services, legal issues, planning, and other related topics. Upon completion, students should be able to understand concepts and apply fire department management and operations principles. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FIP277 - Fire and Social Behavior

Overview

Subject code	Course Number	Department(s)
FIP	277	Public Safety Training Programs

Description
This course covers fire-related aspects of human, behavior, with an emphasis on research and a, systems approach to human-behavior analysis, Topics include identification of populations and, structures at high risk, evaluation of systems, models, and use of computer models to predict, human behavior during fires. Upon completion, students should be able to identify and anticipate, human behavior in response to various residential, commercial, board-and-care facility, and, wildland/rural fire events. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FRE111 - Elementary French I

Overview

Subject code	Course Number	Department(s)
FRE	111	General Education

Description
This course introduces the fundamental elements of the French language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FRE111 - Elementary French I requires FRE181
Type
Prerequisite

[object Object]

Additional Comments:
Course FRE111 - Elementary French I requires the Course(s) FRE181 to be completed as a Prerequisite or taken in parallel as a Corequisite.

FRE112 - Elementary French II

Overview

Subject code	Course Number	Department(s)
FRE	112	General Education

Description
This course is a continuation of FRE 111 focusing on the fundamental elements of the French language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate further cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FRE112 - Elementary French II requires FRE111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FRE111 - Elementary French I

Additional Comments:
Course FRE112 - Elementary French II requires the Course(s) FRE111 to be completed as a Prerequisite.

Course FRE112 - Elementary French II requires FRE182
Type
Prerequisite

Course FRE112 - Elementary French II requires FRE182

Requisite Condition Not Found

Additional Comments:
Course FRE112 - Elementary French II requires the Course(s) FRE182 to be completed as a Prerequisite or taken in parallel as a Corequisite.

FRE141 - Culture and Civilization

Overview

Subject code	Course Number	Department(s)
FRE	141	General Education

Description
This course, taught in English, provides an opportunity to explore issues related to the Francophone world. Topics include historical and current events, geography, and customs. Upon completion, students should be able to identify and discuss selected topics and cultural differences related to the Francophone world. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FRE151 - Francophone Literature

Overview

Subject code	Course Number	Department(s)
FRE	151	Transfer Programs

Description

This course includes selected readings by Francophone writers. Topics include fictional and non-fictional works by representative authors from a variety of genres and literary periods. Upon completion, students should be able to analyze and discuss selected texts within relevant cultural and historical contexts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Prerequisite

Type

Completion Requirement

prerequisite

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

FRE181 - French Lab 1

Overview

Subject code	Course Number	Department(s)
FRE	181	General Education

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

FRE182 - French Lab 2

Overview

Subject code	Course Number	Department(s)
FRE	182	General Education

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course FRE182 - French Lab 2 requires FRE181 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FRE181 - French Lab 1

Additional Comments:
Course FRE182 - French Lab 2 requires the Course(s) FRE181 to be completed as a Prerequisite.

FRE211 - Intermediate French I

Overview

Subject code	Course Number	Department(s)
FRE	211	General Education

Description

This course provides a review and expansion of the, essential skills of the French language. Emphasis, is placed on the study of authentic and, representative literary and cultural texts. Upon, completion, students should be able to communicate, effectively, accurately, and creatively about the, past, present, and future. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FRE211 - Intermediate French I requires FRE112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FRE112 - Elementary French II

Additional Comments:
Course FRE211 - Intermediate French I requires the Course(s) FRE112 to be completed as a Prerequisite.

Course FRE211 - Intermediate French I requires FRE281
Type
Prerequisite

Course FRE211 - Intermediate French I requires FRE281

Requisite Condition Not Found

Additional Comments:
Course FRE211 - Intermediate French I requires the Course(s) FRE281 to be completed as a Prerequisite or taken in parallel as a Corequisite.

FRE212 - Intermediate French II

Overview

Subject code	Course Number	Department(s)
FRE	212	General Education

Description
This course is a continuation of FRE 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

FRE212 requires prerequisites of FRE211 and FRE282
Type
Completion Requirement

FRE281 - French Lab 3

Overview

Subject code	Course Number	Department(s)
FRE	281	General Education

Description
This course provides an opportunity to enhance the, review and expansion of the essential skills of, the French language. Emphasis is placed on the, study of authentic and representative literary and, cultural texts through the use of supplementary, learning media and materials. Upon completion, students should be able to communicate, effectively, accurately, and creatively about the, past, present, and future. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course FRE281 - French Lab 3 requires FRE182 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FRE182 - French Lab 2

Additional Comments:
Course FRE281 - French Lab 3 requires the Course(s) FRE182 to be completed as a Prerequisite.

FRE282 - French Lab 4

Overview

Subject code	Course Number	Department(s)
FRE	282	General Education

Description

This course provides an opportunity to enhance the review and expansion of the essential skills of the French language. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts through the use of supplementary learning media and materials. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

FRE282 requires prerequisite of FRE281
Type
Completion Requirement

FVP111 - Introduction to Film and Video

Overview

Subject code	Course Number	Department(s)
FVP	111	Film and Video Programs

Description

This course is an overview of the film making process from conceptualization to execution and examines film genres in the context of history, theory, creativity, and commerce. Topics include the history of film and video in the US, technical terminology, relationships between various job categories, and the language of film. Upon completion, students should be able to demonstrate a film vocabulary and knowledge of working conditions in the film/video production field. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FVP112 - Art Deptartment Operations I

Overview

Subject code	Course Number	Department(s)
FVP	112	Film and Video Programs

Description

This course introduces practical fabrication skills for wood and other materials required to build both props and sets from blueprints, photographs, or sketches. Emphasis is placed on the safe use of hand and power tools, and the skills required for collaborative efforts in set and prop construction. Upon completion students should be able to demonstrate a working knowledge of the equipment and skills necessary to assist in constructing sets and props. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FVP113 - Grip & Electrical I

Overview

Subject code	Course Number	Department(s)
FVP	113	Film and Video Programs

Description

This course covers various grip/support packages used in different environments for studio and location. Topics include lighting units, hardware, stands, color media, and electrical theory with emphasis on safety. Upon completion, students should be able to execute basic grip and electrical directions given by the key grip, and/or gaffer. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FVP114 - Camera & Lighting I

Overview

Subject code
FVP

Course Number
114

Department(s)
Film and Video Programs

Description
This course covers the basic principles of video camera and recorder operations in professional formats, crew protocol and safety, and basic lighting theory and application. Emphasis is placed on terminology, the characteristics of light, basic lighting procedures, and proper procedures of field recording with video equipment. Upon completion, students should be able to demonstrate an understanding of the basic technical terms of camera operation, video recording and lighting equipment.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FVP115 - Camera & Lighting II

Overview

Subject code
FVP

Course Number
115

Department(s)
Film and Video Programs

Description
This course offers advanced principles of video camera and recorder operations and introduces students to film formats and equipment as well as advanced lighting theory applications. Emphasis is placed on terminology, lighting for effect, and color correction. Upon completion, students should be able to demonstrate an understanding of camera terms and equipment, lighting theory and applications, and assist on studio and location shoots. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FVP115 - Camera & Lighting II requires FVP114 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FVP114 - Camera & Lighting I

Additional Comments:
Course FVP115 - Camera & Lighting II requires the Course(s) FVP114 to be completed as a Prerequisite.

FVP116 - Sound Operations

Overview

Subject code	Course Number	Department(s)
FVP	116	Film and Video Programs

Description
This course provides an overview of sound theory, methods, and technologies for location and studio recording, and hands-on work in location sound gathering. Emphasis is placed on terminology, protocol, cabling, trouble-shooting, mixing skills and safety aspects associated with hands-on work in sound gathering. Upon completion, students should be ablle to demonstrate an understanding of sound theory and terminology and assist professionals in sound gathering in both film and audio production. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FVP120 - Art Dept. Operations II

Overview

Subject code	Course Number	Department(s)
FVP	120	Film and Video Programs

Description
This course provides a more in depth coverage of the skills necessary to assist in the set construction, paint, set dressing, props and greens departments. Emphasis is placed on the skill range required for each craft including, but not limited to, plumbing, casting, wallpapering, furniture construction, upholstery, wiring and drapery. Upon completion students should be competent to assist in all fields related to the fabrication and decoration of sets and props. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FVP120 - Art Dept. Operations II requires FVP112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FVP112 - Art Deptartment Operations I

Additional Comments:
Course FVP120 - Art Dept. Operations II requires the Course(s) FVP112 to be completed as a Prerequisite.

FVP130 - Grip and Electrical II

Overview

Subject code	Course Number	Department(s)
FVP	130	Film and Video Programs

Description
This course provides a more in depth coverage of grip/support packages used in studio work and on location. Topics include advanced coverage of lighting, color media, and camera dollies, rigging, and electrical distribution with emphasis on safety issues. Upon completion students should be able to execute grip and electrical directions given by the key grip, gaffer, cinematographer and/or director of photography. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FVP130 - Grip and Electrical II requires FVP113 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FVP113 - Grip & Electrical I

Additional Comments:
Course FVP130 - Grip and Electrical II requires the Course(s) FVP113 to be completed as a Prerequisite.

FVP212 - Production Techniques I

Overview

Subject code	Course Number	Department(s)
FVP	212	Film and Video Programs

Description
This course provides experience working in a variety of crew positions with both student and professional productions and covers advanced film production concepts. Emphasis is placed on successful interaction with other advanced students and/or professionals as well as competency in advanced film production concepts. Upon completion, students should be able to demonstrate professional skills needed to pursue careers in the film and video industry. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

FVP213 - Production Techniques II

Overview

Subject code
FVP

Course Number
213

Department(s)
Film and Video Programs

Description
This course provides experience working in a variety of crew positions with both student and professional productions and covers advanced film production concepts. Emphasis is placed on successful interaction with other advanced students and/or professionals as well as competency in advanced film production concepts. Upon completion, students should be able to demonstrate professional skills needed to pursue careers in key positions in the film and video industry. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course FVP213 - Production Techniques II requires FVP212 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FVP212 - Production Techniques I

Additional Comments:
Course FVP213 - Production Techniques II requires the Course(s) FVP212 to be completed as a Prerequisite.

FVP215 - Production Management

Overview

Subject code
FVP

Course Number
215

Department(s)
Film and Video Programs

Description
This course emphasizes the activity of script breakdown in pre-production as well as the activities of the production office in both the production and post-production stages. Emphasis is placed on procedures, use of industry standard forms and software, as well as the functions and practices of the production office. Upon completion students should be able to demonstrate the people and technical skills necessary to assist above-the-line professionals in all types of film and video production. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FVP215 - Production Management requires FVP240
Type
Prerequisite

[object Object]

Additional Comments:
Course FVP215 - Production Management requires the Course(s) FVP240 to be completed as a Prerequisite or taken in parallel as a Corequisite.

FVP220 - Editing I

Overview

Subject code	Course Number	Department(s)
FVP	220	Film and Video Programs

Description
This course introduces the principles and practices of the screenwriting craft. Emphasis is placed on analysis of screenwriting and script components and the preparation and development of motion picture and television treatments and scripts. Upon completion, students should be able to critically analyze the components of both motion picture and television treatments and scripts, and prepare effective, camera-ready motion picture and television scripts. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FVP221 - Editing II

Overview

Subject code	Course Number	Department(s)
FVP	221	Film and Video Programs

Description
This course covers editing in the digital environment, starting from the camera negative through the transfer, the non-linear digital edit and going back to negative matching. Topics include terminology, technologies, aesthetics, advanced sound and picture editing skills, and the editor's role augmented by hands-on experience. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FVP221 - Editing II requires FVP220 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FVP220 - Editing I

Additional Comments:
Course FVP221 - Editing II requires the Course(s) FVP220 to be completed as a Prerequisite.

FVP223 - Postproduction Sound Design

Overview

Subject code	Course Number	Department(s)
FVP	223	Film and Video Programs

Description
This course covers audio postproduction recording, mixing, and editing techniques, technologies, and aesthetics for the development of a compelling soundtrack for film and video media. Topics include using library effects, recording sound, effects and Foley to reinforce images and the story, preparing and mixing sound tracks for media productions. Upon completion students should be able to record, edit and mix sound design projects that strengthen narrative elements and perform critique of media sound design. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FVP223 - Postproduct. Sound Design requires FVP116 OR FVP220 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- FVP116 - Sound Operations
  OR FVP220 - Editing I

Additional Comments:
Course FVP223 - Postproduct. Sound Design requires the Course(s) FVP116 OR FVP220 to be completed as a Prerequisite.

FVP227 - Multimedia Production

Overview

Subject code	Course Number	Department(s)
FVP	227	Film and Video Programs

Description
This course covers technical terms used in the, multimedia industry and introduces skills related, to digital manipulation of audio and video, materials. Emphasis is placed on technical terms, used in multimedia work and integration of sound, video, graphics, and text into a single, production. Upon completion, students should be, able to define technical terms in multimedia work, and work with a variety of computer hardware and, software. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

FVP240 - Introduction to Screenwriting

Overview

Subject code	Course Number	Department(s)
FVP	240	Film and Video Programs

Description
This course introduces the principles and, practices of the screenwriting craft. Emphasis is, placed on analysis of screenwriting and script, components and the preparation and development of, motion picture and television treatments and, scripts. Upon completion, students should be able, to critically analyze the components of both, motion picture and television treatments and, scripts, and prepare effective, camera-ready, motion picture and television scripts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course FVP240 - Introduction to Screenwriting requires ENG111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course FVP240 - Introduction to Screenwriting requires the Course(s) ENG111 to be completed as a Prerequisite.

GCM220 - Golf Course Maintenance Systems

Overview

Subject code	Course Number	Department(s)
GCM	220	Horticulture Programs

Description
This course provides a detailed study of the logistics of day-to-day maintenance programs for golf courses. Emphasis is placed on how such programs relate to the overall management of golf course facilities. Upon completion, students should be capable of setting up and operating maintenance programs at golf courses. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

GEL111 - Geology

Overview

Subject code	Course Number	Department(s)
GEL	111	Transfer Programs

Description

This course introduces basic landforms and geological processes. Topics include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe basic geological processes that shape the earth. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

GEO111 - World Regional Geography

Overview

Subject code	Course Number	Department(s)
GEO	111	Transfer Programs

Description

This course introduces the regional concept which emphasizes the spatial association of people and their environment. Emphasis is placed on the physical, cultural, and economic systems that interact to produce the distinct regions of the earth. Upon completion, students should be able to describe variations in physical and cultural features of a region and demonstrate an understanding of their functional relationships. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

GRA151 - Computer Graphics I

Overview

Subject code	Course Number	Department(s)
GRA	151	Business Programs

Description

This course introduces the use of hardware and software for production and design in graphic arts. Topics include graphical user interface and current industry uses such as design, layout, typography, illustration, and imaging for production. Upon completion, students should be able to understand and use the computer as a fundamental design and production tool. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

GRD141 - Graphic Design I

Overview

Subject code	Course Number	Department(s)
GRD	141	Business Programs

Description

This course introduces the conceptualization process used in visual problem solving. Emphasis is placed on learning the principles of design and on the manipulation and organization of elements. Upon completion, students should be able to apply design principles and visual elements to projects. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

GRD142 - Graphic Design II

Overview

Subject code	Course Number	Department(s)
GRD	142	Business Programs, Information Technology Programs

Description
This course covers the application of visual elements and design principles in advertising and graphic design. Topics include creation of various designs, such as logos, advertisements, posters, outdoor advertising, and publication design. Upon completion, students should be able to effectively apply design principles and visual elements to projects. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Pre-Requisite Requirements of either ART121 or GRD141
Type
Completion Requirement

State Pre-requisites

Complete ANY of the following Courses:

- ART121 - Two-Dimensional Design
- GRD141 - Graphic Design I

GRD151 - Computer Design Basics

Overview

Subject code	Course Number	Department(s)
GRD	151	Business Programs

Description
This course covers designing and drawing with various types of software applications for advertising and graphic design. Emphasis is placed on creative and imaginative use of space, shapes, value, texture, color, and typography to provide effective solutions to advertising and graphic design problems. Upon completion, students should be able to use the computer as a creative tool. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HEA110 - Personal Health/Wellness

Overview

Subject code	Course Number	Department(s)
HEA	110	General Education

Description

This course provides an introduction to basic personal health and wellness. Emphasis is placed on current health issues such as nutrition, mental health, and fitness. Upon completion, students should be able to demonstrate an understanding of the factors necessary to the maintenance of health and wellness. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HEA112 - First Aid & CPR

Overview

Subject code	Course Number
HEA	112

HET134 - Diesel Fuel & Power Systems

Overview

Subject code	Course Number	Department(s)
HET	134	Transportation Programs

Description

This course introduces the principles of fuel injection and other power systems used in the heavy equipment industry including newer and cleaner technology. Emphasis is placed on test equipment, component functions, safety, and theories of older conventional and newer and cleaner Tier III and Tier IV fuel systems. Upon completion, students should be able to diagnose and service fuel systems and explain proper safety procedures on alternative fuel systems used in heavy equipment industry. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HIS111 - World Civilizations I

Overview

Subject code	Course Number	Department(s)
HIS	111	General Education

Description

This course introduces world history from the dawn of civilization to the early modern era. Topics include Eurasian, African, American, and Greco-Roman civilizations and Christian, Islamic and Byzantine cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in pre-modern world civilizations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HIS112 - World Civilizations II

Overview

Subject code	Course Number	Department(s)
HIS	112	General Education

Description

This course introduces world history from the early modern era to the present. Topics include the cultures of Africa, Europe, India, China, Japan, and the Americas. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in modern world civilizations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HIS131 - American History I

Overview

Subject code	Course Number	Department(s)
HIS	131	General Education

Description

This course is a survey of American history from pre-history through the Civil War era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early American history. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HIS132 - American History II

Overview

Subject code	Course Number	Department(s)
HIS	132	General Education

Description

This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HIS236 - North Carolina History

Overview

Subject code	Course Number	Department(s)
HIS	236	General Education

Description

This course is a study of geographical, political, economic, and social conditions existing in North Carolina from America's discovery to the present. Topics include native and immigrant backgrounds; colonial, antebellum, and Reconstruction periods; party politics; race relations; and the transition from an agrarian to an industrial economy. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in North Carolina. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HMT110 - Introduction to Healthcare Management

Overview

Subject code	Course Number
HMT	110

Description

This course introduces the functions, practices, organizational structures, and professional issues, in healthcare management. Emphasis is placed on, planning, controlling, directing, and, communicating within health and human services, organizations. Upon completion, students should, be able to apply the concepts of management within, a healthcare service environment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR112 - Landscape Design I

Overview

Subject code	Course Number	Department(s)
HOR	112	Horticulture Programs

Description

This course covers landscape principles and practices for residential and commercial sites. Emphasis is placed on drafting, site analysis, and common elements of good design, plant material selection, and proper plant utilization (encouraged use of native plants and discouraged use of invasive species). Upon completion, students should be able to read plans and draft a landscape design according to sustainable practices. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR114 - Landscape Construction

Overview

Subject code	Course Number	Department(s)
HOR	114	Horticulture Programs

Description

This course introduces the design and fabrication of landscape structures/features. Emphasis is placed on safety, tool identification and use, material selection, construction techniques, and fabrication. Upon completion, students should be able to design and construct common landscape structures/features. Some online sections may require proctored exams. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR116 - Landscape Management I

Overview

Subject code	Course Number	Department(s)
HOR	116	Horticulture Programs

Description

This course covers information and skills necessary to analyze a property and develop a management schedule. Emphasis is placed on property measurement, plant condition, analysis of client needs, and plant culture needs. Upon completion, students should be able to analyze a property, develop management schedules, and implement practices based on client needs. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR118 - Equipment Operations & Maintenance

Overview

Subject code	Course Number	Department(s)
HOR	118	Horticulture Programs

Description

This course covers the proper operation and maintenance of selected equipment used in horticulture. Emphasis is placed on the maintenance, minor repairs, safety devices, and actual operation of selected equipment. Upon completion, students should be able to design a maintenance schedule, service equipment, and demonstrate safe operation of selected equipment. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

HOR124 - Nursery Operations

Overview

Subject code	Course Number	Department(s)
HOR	124	Horticulture Programs

Description

This course covers nursery site and crop selection, cultural practices, and production and marketing methods. Topics include site considerations, water availability, equipment, irrigation, fertilization, containers, media, and pest control. Upon completion, students should be able to design and implement a nursery operation and grow and harvest nursery crops. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR134 - Greenhouse Operations

Overview

Subject code	Course Number	Department(s)
HOR	134	Horticulture Programs

Description

This course covers the principles and procedures involved in the operation and maintenance of greenhouse facilities. Emphasis is placed on the operation of greenhouse systems, including the environmental control, record keeping, scheduling, and production practices. Upon completion, students should be able to demonstrate the ability to operate greenhouse systems and facilities to produce greenhouse crops. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR142 - Fruit & Vegetable Production

Overview

Subject code	Course Number	Department(s)
HOR	142	Horticulture Programs

Description

This course introduces the principles and techniques of growing fruits and field-grown vegetables. Topics include site selection, proper varietal selection, nutritional values, cultural techniques, harvesting and marketing, and insect and disease control. Upon completion, students should be able to demonstrate an understanding of the principles related to the production of selected fruits and vegetables. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

HOR152 - Horticultural Practices

Overview

Subject code	Course Number	Department(s)
HOR	152	Horticulture Programs

Description

This course covers the maintenance of ornamental plantings and production areas. Topics include maintenance of flower beds, vegetable gardens, greenhouses, and container and field nursery stock using sound horticultural practices. Upon completion, students should be able to apply the principles and practices of maintaining ornamental landscape plantings. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

HOR154 - Introduction to Horticultural Therapy

Overview

Subject code	Course Number	Department(s)
HOR	154	Horticulture Programs

Description

This course introduces the concept of horticulture therapy and how it can be applied to improve human well-being. Emphasis is placed on developing a horticulture therapy program, planning activities, and adjusting activities based on the age, disability, or need of the individual. Upon completion, students should be able to develop project ideas, write lesson plans, and lead informal classes using horticulture therapy techniques. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

HOR160 - Plant Materials I

Overview

Subject code	Course Number	Department(s)
HOR	160	Horticulture Programs

Description

This course covers identification, culture, characteristics, and use of plants in a, sustainable landscape. This course covers identification, culture, characteristics, and use of plants in a sustainable landscape. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, and landscape applications. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials, including natives and invasive plants. is placed on, nomenclature, identification, growth requirements, cultural requirements, soil preferences, and, landscape applications. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR161 - Plant Materials II

Overview

Subject code	Course Number	Department(s)
HOR	161	Horticulture Programs

Description

This course provides a supplementary opportunity to cover identification, culture, characteristics, and use of plants in a sustainable landscape, giving students a broader knowledge of available landscape plants for utilization in landscapes and plant production. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, landscape applications and expansion of the plant palette. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials, including natives and invasive plants. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR162 - Applied Plant Science

Overview

Subject code	Course Number	Department(s)
HOR	162	Horticulture Programs

Description

This course introduces the basic concepts of botany as they apply to horticulture. Topics include nomenclature, physiology, morphology, and anatomy as they apply to plant culture. Upon completion, students should be able to apply the basic principles of botany to horticulture. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR164 - Horticultural Pest Management

Overview

Subject code	Course Number	Department(s)
HOR	164	Horticulture Programs

Description

This course covers the identification and management of plant pests including insects, diseases, and weeds. Topics include pest identification and beneficial organisms, pesticide application safety and use of least toxic methods of management. Upon completion, students should be able to manage common landscape pests using least toxic methods of control and be prepared to sit for North Carolina Commercial Pesticide Ground Applicators license. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR166 - Soils & Fertilizers

Overview

Subject code	Course Number	Department(s)
HOR	166	Horticulture Programs

Description

This course covers the physical and chemical properties of soils and soil fertility and management. Topics include soil formation; classification; physical, chemical, and biological properties (including microorganisms); testing; and fertilizer application. Upon completion, students should be able to analyze, evaluate, and properly amend soils/media according to sustainable practices. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR168 - Plant Propagation

Overview

Subject code	Course Number	Department(s)
HOR	168	Horticulture Programs

Description
This course is a study of sexual and asexual reproduction of plants. Emphasis is placed on seed propagation, grafting, stem and root propagation, micro-propagation, and other propagation techniques. Upon completion, students should be able to successfully propagate ornamental plants. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR213 - Landscape Design II

Overview

Subject code	Course Number	Department(s)
HOR	213	Horticulture Programs

Description
This course covers residential and commercial landscape design, cost analysis, and installation. Emphasis is placed on job cost estimates, installation of the landscape design, and maintenance techniques. Upon completion, students should be able to read landscape design blueprints, develop cost estimates, and implement the design. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course HOR213 - Landscape Design II requires HOR112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- HOR112 - Landscape Design I

Additional Comments:
Course HOR213 - Landscape Design II requires the Course(s) HOR112 to be completed as a Prerequisite.

HOR215 - Landscape Irrigation

Overview

Subject code	Course Number	Department(s)
HOR	215	Horticulture Programs

Description

This course introduces basic irrigation design, layout, and installation. Topics include site, analysis, components of irrigation systems, safety, types of irrigation systems, and, installation techniques. Upon completion, students should be able to design and install, basic landscape irrigation systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR225 - Nursery Production

Overview

Subject code	Course Number	Department(s)
HOR	225	Horticulture Programs

Description

This course covers all aspects of nursery crop production. Emphasis is placed on field production and covers soils, nutrition, irrigation, pest control, and harvesting. Upon completion, students should be able to produce a marketable nursery crop. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR235 - Greenhouse Production

Overview

Subject code	Course Number	Department(s)
HOR	235	Horticulture Programs

Description

This course covers the production of greenhouse crops. Emphasis is placed on product selection and production based on market needs and facility availability, including record keeping. Upon completion, students should be able to select and make production schedules to successfully produce greenhouse crops. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR245 - Horticulture Specialty Crops

Overview

Subject code	Course Number	Department(s)
HOR	245	Horticulture Programs

Description

This course introduces the techniques and requirements for the production of horticultural crops of special or local interest. Topics include development of a local market, proper varietal selection, cultural practices, site selection, and harvesting and marketing practices. Upon completion, students should be able to choose, grow, and market a horticultural crop of special or local interest. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HOR257 - Arboriculture Practices

Overview

Subject code	Course Number	Department(s)
HOR	257	H, O, R, Horticulture Programs

Description

This course covers the culture and maintenance of trees and shrubs. Topics include fertilization, pruning, approved climbing techniques, pest control, and equipment use and safety. Upon completion, students should be able to properly prune trees and shrubs and perform arboricultural practices. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

HOR265 - Advanced Plant Materials

Overview

Subject code	Course Number	Department(s)
HOR	265	Horticulture Programs

Description

This course covers important landscape plants. Emphasis is placed on identification, plant nomenclature, growth characteristics, cultural requirements, and landscape uses. Upon completion, studentsshould be able to correctly select plants for specific landscape uses. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

HOR271 - Garden Center Management

Overview

Subject code	Course Number	Department(s)
HOR	271	Horticulture Programs

Description

This course covers the retail marketing of gardening products and services through mass market and independent garden centers. Topics include garden center layout, customer relations, market choice, product lines, vendors, and the relationship with the broader horticultural community. Upon completion, students should be able to demonstrate an understanding of the principles and practices of the retail garden center. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

HSC110 - Orientation to Health Careers

Overview

Subject code	Course Number	Department(s)
HSC	110	Healthcare Programs

Description

This course is a survey of health care professions. Topics include professional duties and responsibilities, working environments, and career choices. Upon completion, students should be able to demonstrate an understanding of the health care professions and be prepared to make informed career choices. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

HSE110 - Introduction to Human Services

Overview

Subject code	Course Number	Department(s)
HSE	110	Social and Human Services Programs

Description

This course introduces the human services field, including the history, agencies, roles, and careers. Topics include personal/professional characteristics, diverse populations, community resources, disciplines in the field, systems, ethical standards, and major theoretical and treatment approaches. Upon completion, students should be able to identify the knowledge, skills, and roles of the human services worker. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HSE112 - Group Process I

Overview

Subject code	Course Number	Department(s)
HSE	112	Social and Human Services Programs

Description

This course introduces interpersonal concepts and group dynamics. Emphasis is placed on self-awareness facilitated by experiential learning in small groups with analysis of personal experiences and the behavior of others. Upon completion, students should be able to show competence in identifying and explaining how people are influenced by their interactions in group settings.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

HSE123 - Interviewing Techniques

Overview

Subject code	Course Number	Department(s)
HSE	123	Social and Human Services Programs

Description

This course covers the purpose, structure, focus, and techniques employed in effective interviewing. Emphasis is placed on observing, attending, listening, responding, recording, and summarizing of personal histories with instructor supervision. Upon completion, students should be able to perform the basic interviewing skills needed to function in the helping relationship.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HSE125 - Counseling

Overview

Subject code	Course Number	Department(s)
HSE	125	Social and Human Services Programs

Description

This course covers the major approaches to psychotherapy and counseling, including theory, characteristics, and techniques. Emphasis is placed on facilitation of self-exploration, problem solving, decision making, and personal growth. Upon completion, students should be able to understand various theories of counseling and demonstrate counseling techniques.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HSE145 - Child Abuse and Neglect

Overview

Subject code	Course Number	Department(s)
HSE	145	Social and Human Services Programs

Description

This course explores the abused and neglected child, including the nature and dimension of the problem. Emphasis is placed on various types of abuse and neglect, their causes, proper treatment, and reporting laws and procedures. Upon completion, students should be able to identify family intervention and counseling techniques to help parents effectively cope in parent-child conflicts.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HSE155 - Community Resources. Mgt

Overview

Subject code	Course Number	Department(s)
HSE	155	Social and Human Services Programs

Description

This course focuses on the working relationships between human services agencies and the community. Emphasis is placed on identification and observation of community resources which contribute to the achievement of the human services mission. Upon completion, students should be able to demonstrate knowledge about mobilizing of community resources, marshaling public support, and determining appropriate sources of funding.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

HSE210 - Diversity Ethics and Trends in Human Services

Overview

Subject code	Course Number	Department(s)
HSE	210	Social and Human Services Programs

Description

This course is designed to provide students with an in-depth understanding of the role of diversity and ethical considerations within the human services profession. Emphasis is placed on the knowledge and skills in the evolving landscape of human services. Upon completion, students should be able to apply ethical decision-making, demonstrate an understanding of diverse perspectives, and identify current trends in the human services field. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HSE220 - Case Management

Overview

Subject code	Course Number	Department(s)
HSE	220	Social and Human Services Programs

Description

This course covers the variety of tasks associated with professional case management. Topics include treatment planning, needs assessment, referral procedures, and follow-up and integration of services. Upon completion, students should be able to effectively manage the care of the whole person from initial contact through termination of services.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

HSE220 requires prerequisite of HSE110
Type
Completion Requirement

HSE225 - Crisis and Intervention Principles

Overview

Subject code	Course Number	Department(s)
HSE	225	Social and Human Services Programs

Description

This course introduces the types of crises and the principles of intervention. Emphasis is placed on identifying culturally competent techniques for intervening in various crisis situations. Upon completion, students should be able to assess crisis situations and respond effectively. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HSE227 - Children and Adolescence in Crisis

Overview

Subject code	Course Number	Department(s)
HSE	227	Social and Human Services Programs

Description

This course covers the crises affecting children and adolescents in contemporary society. Emphasis is placed on abuse and neglect, suicide and murder, dysfunctional family living, poverty, and violence. Upon completion, students should be able to identify and discuss intervention strategies and available services for the major contemporary crises affecting children and adolescents. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HSE240 - Issues in Client Services

Overview

Subject code	Course Number	Department(s)
HSE	240	Social and Human Services Programs

Description

This course introduces systems of professional standards, values, and issues in the helping professions. Topics include confidentiality, assessment of personal values, professional responsibilities, competencies, and ethics relative to multicultural counseling and research. Upon completion, students should be able to understand and discuss multiple ethical issues applicable to counseling and apply various decision-making models to current issues. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HUM110 - Technology and Society

Overview

Subject code	Course Number	Department(s)
HUM	110	General Education

Description

This course considers technological change from historical, artistic, and philosophical perspectives and its effect on human needs and concerns. Emphasis is placed on the causes and consequences of technological change. Upon completion, students should be able to critically evaluate the implications of technology. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HUM120 - Cultural Studies

Overview

Subject code	Course Number
HUM	120

HUM123 - Appalachian Culture

Overview

Subject code	Course Number	Department(s)
HUM	123	General Education

Description

This course provides an interdisciplinary study of the unique features of Appalachian culture. Topics include historical, political, sociological, psychological, and artistic features which distinguish this region. Upon completion, students should be able to demonstrate a broad-based awareness and appreciation of Appalachian culture. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HUM160 - Introduction to Film

Overview

Subject code	Course Number	Department(s)
HUM	160	General Education

Description

This course introduces the fundamental elements of film artistry and production. Topics include film styles, history, and production techniques, as well as the social values reflected in film art. Upon completion, students should be able to critically analyze the elements covered in relation to selected films. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HUM150 - American Women's Study

Overview

Subject code	Course Number
HUM	150

HUM180 - International Cultural Exploration

Overview

Subject code	Course Number	Department(s)
HUM	180	General Education

Description

This course provides a framework for students to, visit, examine, and analyze a country/region, outside the United States to learn about the place, and people. Emphasis is placed on the distinctive, cultural characteristics of a country or region, Upon completion, students should be able to, identify similarities/differences, analyze, causes/effects, and clearly articulate the impact, of one or more cultural elements. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

HYD110 - Hydraulics/Pneumatics I

Overview

Subject code	Course Number	Department(s)
HYD	110	Engineering Programs

Description

This course introduces the basic components and functions of hydraulic and pneumatic systems. Topics include standard symbols, pumps, control valves, control assemblies, actuators, FRL, maintenance procedures, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course HYD110 - Hydraulics/Pneumatics I recommends complteion of MAT171

Type

Completion Requirement

Course HYD110 - Hydraulics/Pneumatics I recommends complteion of MAT171

Requisite Condition Not Found

Additional Comments:

Course HYD110 - Hydraulics/Pneumatics I recommends the completion of Course(s) MAT171 before enrolling.

HYD121 - Hydraulics/Pneumatics II

Overview

Subject code
HYD

Course Number
121

Description
This course is a continuation of HYD 110 and, provides further investigation into fluid power, systems. Topics include advanced system, components, troubleshooting, and other related, topics. Upon completion, students should be able, to demonstrate an understanding of the, installation, application, operation, and, maintenance of fluid power components and systems. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course HYD121 - Hydraulics/Pneumatics II requires HYD110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- HYD110 - Hydraulics/Pneumatics I

Additional Comments:
Course HYD121 - Hydraulics/Pneumatics II requires the Course(s) HYD110 to be completed as a Prerequisite.

IPP111 - Introduction to Interpretation

Overview

Subject code
IPP

Course Number
111

Department(s)
Interpreter Education Programs

Description
This course provides an orientation to the field of interpreting, interpretation models, cognitive processes associated with interpretation, professional ethical standards, employment opportunities, and working conditions. Topics include specialized jargon, code of ethics, theories, interpreter assessments/qualifications, and protocol associated with various settings. Upon completion, students should be able to explain the rationale for placement of interpreters and apply ethical standards to a variety of working situations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

IPP112 - Comparative Cultures

Overview

Subject code	Course Number	Department(s)
IPP	112	Interpreter Education Programs

Description

This course introduces various cultural attributes and how they impact the consumers and the interpreting process. Topics include value systems of deaf and non-deaf individuals, enculturation stages, sociolinguistic continuum of language use within the deaf community, and cross-cultural management. Upon completion, students should be able to compare deaf and non-deaf cultures and discuss how attitudes impact communication interactions and interpreting. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

IPP130 - Analytical Skills for Interpreting

Overview

Subject code	Course Number	Department(s)
IPP	130	Interpreter Education Programs

Description

This course is designed to improve cognitive processes associated with interpreting, listening, short-term memory, semantic equivalence, visual/auditory processing, thought organization, and logic. Emphasis is placed on developing skills necessary to generate equivalent messages between ASL and English. Upon completion, students should be able to consecutively interpret non-technical, interactive messages between ASL and English. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

IPP152 - ASL/English Translation

Overview

Subject code	Course Number	Department(s)
IPP	152	Interpreter Education Programs

Description
This course provides a study of the component parts of a cultural scheme and the manner in which ASL and English differ. Emphasis is placed on analyzing, discussing, and translating basic ASL and English texts. Upon completion, students should be able to discuss and apply techniques of cross-cultural communication and translation between deaf and non-deaf communities. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course IPP152 - ASL/English Translation requires ASL112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- ASL112 - Elementary ASL II

Additional Comments:
Course IPP152 - ASL/English Translation requires the Course(s) ASL112 to be completed as a Prerequisite.

IPP161 - Consecutive Interpreting

Overview

Subject code	Course Number	Department(s)
IPP	161	Interpreter Education Programs

Description
This course introduces the process of ASL/English consecutive interpreting in a variety of interview, meeting, and small conference settings. Emphasis is placed on generating equivalent messages between ASL and English. Upon completion, students should be able to discuss and apply the principles of the protocol of consecutive interpreting. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course IPP161 - Consecutive Interpreting requires IPP152 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- IPP152 - ASL/English Translation

Additional Comments:
Course IPP161 - Consecutive Interpreting requires the Course(s) IPP152 to be completed as a Prerequisite.

IPP221 - Simultaneous Interpreting

Overview

Subject code	Course Number	Department(s)
IPP	221	Interpreter Education Programs

Description
This course introduces simultaneous ASL/English interpreting through a variety of expository texts originating in group, meeting, and conference settings. Emphasis is placed on analyzing expository texts, identifying registers, and applying principles of the protocol of interpreting. Upon completion, students should be able to apply the appropriate linguistic and/or cultural adjustments required to generate equivalent messages. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course IPP221 - Simultaneous Interpret I requires IPP161 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- IPP161 - Consecutive Interpreting

Additional Comments:
Course IPP221 - Simultaneous Interpret I requires the Course(s) IPP161 to be completed as a Prerequisite.

IPP222 - Simultaneous Interpreting II

Overview

Subject code	Course Number	Department(s)
IPP	222	Interpreter Education Programs

Description
This course explores interpreting in a range of specialized settings, including educational, video relay, performing arts, vocational environments, medical, and mental health. Emphasis is placed on professional standards, ethical decision-making, setting-specific protocols, and advanced preparation strategies, including field-based experiences that support observation and reflection on the unique challenges within each context. Upon completion, students should be able to demonstrate increased competence and adaptability when interpreting in specialized settings. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course IPP225 - Interpreting in Spec Settings requires IPP161 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- IPP161 - Consecutive Interpreting

Additional Comments:
Course IPP222 - Simultaneous Interpret II requires the Course(s) IPP221 to be completed as a Prerequisite.

IPP225 - Interpreting in Special Settings

Overview

Subject code
IPP

Course Number
225

Department(s)
Interpreter Education Programs

Description
This course explores interpreting in a range of specialized settings, including educational, video relay, performing arts, vocational environments, medical, and mental health. Emphasis is placed on professional standards, ethical decision-making, setting-specific protocols, and advanced preparation strategies, including field-based experiences that support observation and reflection on the unique challenges within each context. Upon completion, students should be able to demonstrate increased competence and adaptability when interpreting in specialized settings. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course IPP225 - Interpreting in Spec Settings requires IPP161 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- IPP161 - Consecutive Interpreting

Additional Comments:
Course IPP222 - Simultaneous Interpret II requires the Course(s) IPP221 to be completed as a Prerequisite.

IPP240 - Applied Ethics in Interpreting

Overview

Subject code
IPP

Course Number
240

Description
This course develops intellectual and ethical, decision-making abilities and considers common, ethical dilemmas that arise within the, interpreting process. Topics include a model of, ethical/intellectual development and the, application of the model to interpreting, practices. Upon completion, students should be, able to discuss ethical resolution to various case, studies and apply recognized principles of, professional behavior to the interpreting process. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

IPP240 has a Corequisite of IPP221
Type
Corequisite

Corequisite

Complete ALL of the following Courses:
- IPP221 - Simultaneous Interpreting

IPP245 - Educational Interpreting Issues

Overview

Subject code	Course Number
IPP	245

Description

This course provides an overview of educational, interpreting in the US and discusses recent trends, in the education of deaf students. Topics include, history of deaf education, current employment, practices and requirements for educational, interpreters. Upon completion, students should be, able to discuss current issues, become familiar, with evaluation practices, and apply, professional/ethical standards to the interpreting, role. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course IPP245 - Educational Int Issues requires IPP111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- IPP111 - Introduction to Interpretation

Additional Comments:
Course IPP245 - Educational Int Issues requires the Course(s) IPP111 to be completed as a Prerequisite.

ISC112 - Industrial Safety

Overview

Subject code	Course Number	Department(s)
ISC	112	Engineering Programs

Description

This course introduces the principles of industrial safety. Emphasis is placed on industrial safety and OSHA regulations. Upon completion, students should be able to demonstrate knowledge of a safe working environment and OSHA compliance. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

ISC131 - Quality Management

Overview

Subject code	Course Number	Department(s)
ISC	131	Engineering Programs

Description

This course provides a study and analysis of the aspects and implications of quality management that lead to customer satisfaction through continuous quality improvement. Topics include Total Quality Management, ISO 9000, organizing for quality, supplier/vendor relationships, and the role of leadership in quality management. Upon completion, students should be able to demonstrate an understanding of quality management concepts and techniques. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ISC132 - Manufacturing Quality Control

Overview

Subject code	Course Number	Department(s)
ISC	132	Engineering Programs

Description

This course introduces quality concepts and techniques used in industry. Topics include elementary statistics and probability, process control, process capability, and quality improvement tools. Upon completion, students should be able to demonstrate an understanding of the concepts and principles of quality and apply them to the work environment. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course ISC132 - Mfg Quality Control requires EGR125
Type
Prerequisite

[object Object]

Additional Comments:
Course ISC132 - Mfg Quality Control requires the Course(s) EGR125 to be completed as a Prerequisite or taken in parallel as a Corequisite.

ISC135 - Principles of Industrial Management

Overview

Subject code	Course Number	Department(s)
ISC	135	Engineering Programs

Description

This course covers the managerial principles and practices required for organizations to succeed in modern industry, including quality and productivity improvement. Topics include the functions and roles of all levels of the management, organization design, planning and control of manufacturing operation, managing conflict, group dynamics, and problem solving skills. Upon completion, students should be able to demonstrate an understanding of management principles and integrate these principles into job situations. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

ISC170 - Problem-Solving Skills

Overview

Subject code	Course Number	Department(s)
ISC	170	Engineering Programs

Description

This course covers basic concepts of interpersonal and problem-solving skills. Topics include leadership development, constructive feedback, building relationships, and winning support from others. Upon completion, students should be able to use interpersonal skills effectively and lead others. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ISC220 - Lean Manufacturing

Overview

Subject code	Course Number	Department(s)
ISC	220	C, I, S, Engineering Programs

Description

This course introduces students to the concept of lean manufacturing as a means of waste reduction. Topics include the examination of manufacturing operations and the incorporation of lean techniques to reduce waste, cost, time, and materials in manufacturing processes. Upon completion, students should be able to demonstrate an understanding of lean manufacturing systems and how they benefit the environment and business. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

ISC222 - Project Planning/Control

Overview

Subject code	Course Number	Department(s)
ISC	222	Engineering Programs

Description

This course covers how to plan, schedule and control projects typical in manufacturing and service industries. Topics include fundamental project management concepts and hands-on computer application experience with process flow charting and PERT/CPM project managers. Upon completion, students should be able to plan, schedule and control projects using state-of-the-art computer application programs. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

LDD112 - Introduction to Light-Duty Diesel

Overview

Subject code	Course Number	Department(s)
LDD	112	Transportation Programs

Description

This course covers the history, evolution, basic design and operational parameters for light-duty diesel (LDD) engines used in on-road applications. Topics include familiarization with the light-duty diesel, safety procedures, engine service and maintenance procedures, and introduction to combustion and emission chemistry. Upon completion, students should be able to describe the design and operation of the LDD, perform basic service operations, and demonstrate proper safety procedures. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

LDD116 - Diesel Electric-Drive

Overview

Subject code	Course Number	Department(s)
LDD	116	Transportation Programs

Description

This course covers the theory and operation of, electric-drive diesel vehicles. Topics include, maintenance, diagnosis, repair and safety, procedures for electrically propelled and hybrid, diesel vehicles. Upon completion, students should, be able to perform diagnostics, maintenance and, repairs on electric and hybrid diesel vehicles. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

LDD181 - LDD Fuel Systems

Overview

Subject code	Course Number	Department(s)
LDD	181	Transportation Programs

Description

This course covers the light-duty diesel fuel delivery systems in on-road applications including hydraulic electronically controlled unit injectors, common-rail, mechanical pumps, and emerging technologies. Topics include diesel combustion theory, fuel system components, electronic and mechanical controls, and fuel types and chemistries that are common to the light-duty diesel engines. Upon completion, students should be able to demonstrate skills necessary to inspect, test, and replace fuel delivery components using appropriate service information and tools. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

LDD183 - Air, Exhaust, Emissions

Overview

Subject code	Course Number	Department(s)
LDD	183	Transportation Programs

Description

This course covers terminology, theory and operation of air induction and boost technologies, exhaust, and emission controls used in light-duty diesel engines. Topics include component identification, operation, diagnosis and repair of air delivery systems including turbochargers, diesel particulate filters and other exhaust catalysts. Upon completion, students should be able to demonstrate skills necessary to research service information, and inspect, test, and repair induction, boost, and after-treatment components. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

LDD284 - LDD Test and Diagnosis

Overview

Subject code	Course Number	Department(s)
LDD	284	Transportation Programs

Description

This course covers fundamentals of electronic, engine management with an emphasis on diagnostic, procedures and on-board diagnostic (OBD) systems, in light-duty diesels. Topics include adaptive, closed-loop controls, high-voltage injection, systems, OBD fault detection, and government rules, and regulations. Upon completion, students should, be able to utilize diagnostic resources and, equipment, identify and troubleshoot electronic, malfunctions, and complete repairs on light-duty, diesels. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

LDR110 - Introduction to Leadership

Overview

Subject code	Course Number	Department(s)
LDR	110	Public Safety Training Programs, Business Programs

Description

This course introduces students to concepts, models and practices of leadership that are effective in governmental, business, civic, community and political organizations. Emphasis is placed on the purposes and structures of various types of organizations and examines the leadership styles and strategies that align with these organizations. Upon completion, students should be able to recognize and apply the elements effective leadership in a variety of contexts. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

LDR115 - Evidence-Based Leadership & Decision Making

Overview

Subject code
LDR

Course Number
115

Department(s)
Public Safety Training Programs, Business Programs

Description
This course covers the components of effective and operational evidence-based leadership. Emphasis is placed on using decision-making models and data to recognize and understand trends, align organizational goals, determine consequences, and make recommendations for actions leaders can take to solve problems. Upon completion, students should be able to demonstrate trends using data, identify strategies for decision making, and use data to make high-quality decisions on a wide range of issues. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course LDR115 - Evid-Based Ldrshp & Dec Making requires LDR110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- LDR110 - Introduction to Leadership

Additional Comments:
Course LDR115 - Evid-Based Ldrshp & Dec Making requires the Course(s) LDR110 to be completed as a Prerequisite.

LDR210 - Leadership Capacity Assessment

Overview

Subject code
LDR

Course Number
210

Department(s)
Public Safety Training Programs, Business Programs

Description
This course introduces the methodologies and processes to better understanding one's capacity to lead. Topics include conceptualizing motivation, identifying good leadership traits, creating a vision, understanding influence, overcoming obstacles and developing leadership capacity. Upon completion, students should be able to identify their strengths and weaknesses as a leader. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

LDR225 - Leading Change

Overview

Subject code	Course Number	Department(s)
LDR	225	Public Safety Training Programs, Business Programs

Description

This course provides the opportunity to develop the knowledge base necessary to lead and manage organizational change with an emphasis on a 360-degree approach to understanding change. Emphasis is placed on various aspects of implementing change, such as: addressing the human psychology of change through innovative technology, social media, theoretical frameworks, understanding change agents, and operations. Upon completion, students should be able to demonstrate knowledge and practical skills in how to connect change with strategy, anticipate resistance, assess readiness, and measure sustainability. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

LEX270 - Law Office Management/ Technology

Overview

Subject code	Course Number	Department(s)
LEX	270	Public Safety Training Programs, Business Programs

Description

This course provides an overview of law office management and organization. Topics include office forms, filing systems, billing/time keeping, computer systems, calendar systems, library administration, case management, office/personnel procedures, ethics, and technology. Upon completion, students should be able to establish and maintain various law office systems, monitor case progress, and supervise non-lawyer personnel. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

LOG110 - Introduction to Logistics

Overview

Subject code	Course Number	Department(s)
LOG	110	Engineering Programs

Description

This course provides an overview of logistics. Topics include traffic management, warehousing, inventory control, material handling, global logistics, and the movement and storage of goods from raw materials sources to end consumers. Upon completion, students should be able to identify the different segments of logistics and use the terminology of the industry. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

LOG125 - Transportation Logistics

Overview

Subject code	Course Number	Department(s)
LOG	125	Engineering Programs

Description

This course covers the role and importance of the transportation industry. This is an overview of transportation emphasizing its environmental and sociological aspects, economic impact, services, regulatory guidelines, policies, and its future. Upon completion, students should be able to identify modes of transportation, interpret governing regulations, and describe the principles and terminology used in the transportation industry. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

LOG215 - Supply Chain Management

Overview

Subject code	Course Number	Department(s)
LOG	215	Engineering Programs

Description

This course covers all activities involved in the flow of products and information between the suppliers, customers, producers, and service providers. Topics include acquiring, purchasing, manufacturing, assembling, and distributing goods and services throughout the supply chain organizations. Upon completion, students should be able to identify the supply chain units and describe the materials management processes. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MAC112 - Machining Technology II

Overview

Subject code	Course Number	Department(s)
MAC	112	Computer Integrated Machining Programs

Description

This course provides additional instruction and practice in the use of precision measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection and use of work holding devices, speeds, feeds, cutting tools, and coolants. Upon completion, students should be able to perform basic procedures on precision grinders and advanced operations of measuring, layout, drilling, sawing, turning, and milling. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

Course Requirements

Simple Requisites

Course MAC112 - Machining Technology II requires MAC141 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- MAC141 - Machining Applications I

Additional Comments:

Course MAC112 - Machining Technology II requires the Course(s) MAC141 to be completed as a Prerequisite.

MAC113 - Machining Technology III

Overview

Subject code	Course Number	Department(s)
MAC	113	Computer Integrated Machining Programs

Description
This course provides an introduction to advanced, and special machining operations. Emphasis is, placed on working to specified tolerances with, special and advanced setups. Upon completion, students should be able to produce a part to, specifications. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

Course Requirements

Simple Requisites

Course MAC113 - Machining Technology III requires MAC112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC112 - Machining Technology II

Additional Comments:
Course MAC113 - Machining Technology III requires the Course(s) MAC112 to be completed as a Prerequisite.

MAC114 - Introduction to Metrology

Overview

Subject code	Course Number	Department(s)
MAC	114	Computer Integrated Machining Programs

Description
This course introduces the care and use of precision measuring instruments. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion, students should be able to demonstrate the correct use of measuring instruments. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAC117 - Metalforming Skills I

Overview

Subject code	Course Number	Department(s)
MAC	117	Computer Integrated Machining Programs

Description

This course is designed to prepare students to operate equipment used in metal forming production ships. Emphasis is placed on tooling skills, work planning, job control, handling of materials, operation of metal forming equipment, inspection, quality assurance, and safety. Upon completion, students should be able to operate metal forming workstations. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

MAC118 - Machine Shop Basic

Overview

Subject code	Course Number	Department(s)
MAC	118	Computer Integrated Machining Programs

Description

This course will introduce the fundamentals of measuring tools, tolerances and the basic set-up and operations of drill presses, lathes, and milling machines. Emphasis is placed on manufacturing standards and procedures used in welding, automotive, and engineering environments. Upon completion, students should be able to use measuring tools, perform basic machine operations, and apply manufacturing standards. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAC121 - Introduction to CNC

Overview

Subject code	Course Number	Department(s)
MAC	121	Computer Integrated Machining Programs

Description
This course introduces the concepts and capabilities of computer numerical control machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to explain operator safety, machine protection, data input, program preparation, and program storage. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAC122 - CNC Turning

Overview

Subject code	Course Number	Department(s)
MAC	122	Computer Integrated Machining Programs

Description
This course introduces the programming, setup, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC turning centers. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course MAC122 - CNC Turning requires MAC121 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC121 - Introduction to CNC

Additional Comments:
Course MAC122 - CNC Turning requires the Course(s) MAC121 to be completed as a Prerequisite.

MAC124 - CNC Milling

Overview

Subject code
MAC

Course Number
124

Department(s)
Computer Integrated Machining Programs

Description
This course introduces the manual programming, setup, and operation of CNC machining centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC machining centers. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course MAC124 - CNC Milling requires MAC121 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC121 - Introduction to CNC

Additional Comments:
Course MAC124 - CNC Milling requires the Course(s) MAC121 to be completed as a Prerequisite.

MAC131 - Blueprint Reading/Machining I

Overview

Subject code
MAC

Course Number
131

Description
This course covers the basic principles of blueprint reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes, and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAC141 - Machining Applications I

Overview

Subject code	Course Number	Department(s)
MAC	141	Computer Integrated Machining Programs

Description

This course provides an introduction to a variety of material-working processes that are common to the machining industry. Topics include safety, process-specific machining equipment, measurement devices, set-up and layout instruments, and common shop practices. Upon completion, students should be able to safely demonstrate basic machining operations, accurately measure components, and effectively use layout instruments. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

MAC141A - Machining Applications I Lab

Overview

Subject code	Course Number	Department(s)
MAC	141A	Computer Integrated Machining Programs

Description

This course provides an introduction to a variety, of material-working processes, in a laboratory, setting, that are common to the machining, industry. Topics include safety, process-specific, machining equipment, measurement devices, set-up, and layout instruments, and common shop practices, Upon completion, students should be able to safely, demonstrate basic machining operations, accurately, measure components, and effectively use layout, instruments. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAC151 - Machining Calculations

Overview

Subject code	Course Number	Department(s)
MAC	151	Computer Integrated Machining Programs

Description
This course introduces basic calculations as they relate to machining occupations. Emphasis is placed on basic calculations and their applications in the machine shop. Upon completion, students should be able to perform basic shop calculations.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course MAC151 - Machining Calculations recommends complteion of MAT110
Type
Completion Requirement

Course MAC151 - Machining Calculations recommends complteion of MAT110

Requisite Condition Not Found

Additional Comments:
Course MAC151 - Machining Calculations recommends the completion of Course(s) MAT110 before enrolling.

MAC160 - Coordinate Measuring Machining

Overview

Subject code	Course Number	Department(s)
MAC	160	Computer Integrated Machining Programs

Description
This course introduces methods in the setup and operation of coordinate measuring machines. Emphasis is placed on the programming of coordinate measuring machines and the measurement of complex parts. Upon completion, students should be able to demonstrate skills in programming, operation, and setup of coordinate measuring machines. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MAC171 - Measure/Material & Safety

Overview

Subject code	Course Number	Department(s)
MAC	171	Computer Integrated Machining Programs

Description
This course introduces precision measuring instruments, process control and adjustment, inspection, material handling and workplace safety. Topics include properly identifying and handling various measurement instruments and materials, process control, adjustment and improvement, personal protective equipment (PPE) and OSHA safety regulations. Upon completion, students should be able to safely demonstrate effective measurement techniques, identify and handle various materials, and explain safe industry practices. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MAC222 - Advanced CNC Turning

Overview

Subject code	Course Number	Department(s)
MAC	222	Computer Integrated Machining Programs

Description
This course covers advanced methods in setup and operation of CNC turning centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC turning centers. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course MAC222 - Advanced CNC Turning requires MAC122 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC122 - CNC Turning

Additional Comments:
Course MAC222 - Advanced CNC Turning requires the Course(s) MAC122 to be completed as a Prerequisite.

MAC224 - Advanced CNC Milling

Overview

Subject code	Course Number	Department(s)
MAC	224	Computer Integrated Machining Programs

Description
This course covers advanced methods in setup and operation of CNC machining centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC machining centers. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course MAC224 - Advanced CNC Milling requires MAC124 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC124 - CNC Milling

Additional Comments:
Course MAC224 - Advanced CNC Milling requires the Course(s) MAC124 to be completed as a Prerequisite.

MAC226 - CNC EDM Machining

Overview

Subject code	Course Number	Department(s)
MAC	226	Computer Integrated Machining Programs

Description
This course introduces the programming, setup, and operation of CNC electrical discharge machines. Topics include programming formats, control functions, program editing, production of parts, and inspection. Upon completion, students should be able to manufacture simple parts using CNC electrical discharge machines. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAC234 - Advanced MultiAxis Machining

Overview

Subject code
MAC

Course Number
234

Department(s)
Computer Integrated Machining Programs

Description
This course includes multi-axis machining using machining centers with multi-axis capabilities. Emphasis is placed on generation of machining center input with a CAM system and setup of pallet changer and rotary system for multi-axis machining fixtures. Upon completion, students should be able to convert CAD to output for multi-axis machining centers, including tooling, setup, and debugging processes. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MAC241 - Jigs & Fixtures I

Overview

Subject code
MAC

Course Number
241

Department(s)
Computer Integrated Machining Programs

Description
This course introduces the application and use of jigs and fixtures. Emphasis is placed on design and manufacture of simple jigs and fixtures. Upon completion, students should be able to design and build simple jigs and fixtures. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAC241 - Jigs & Fixtures I requires MAC113 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC113 - Machining Technology III

Additional Comments:
Course MAC241 - Jigs & Fixtures I requires the Course(s) MAC113 to be completed as a Prerequisite.

MAC243 - Die Making I

Overview

Subject code
MAC

Course Number
243

Department(s)
Computer Integrated Machining Programs

Description
This course introduces the principles and applications of die making. Topics include types, construction, and application of dies. Upon completion, students should be able to design and build simple dies. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAC243 - Die Making I requires MAC113 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC113 - Machining Technology III

Additional Comments:
Course MAC243 - Die Making I requires the Course(s) MAC113 to be completed as a Prerequisite.

MAC245 - Mold Construction I

Overview

Subject code
MAC

Course Number
245

Department(s)
Computer Integrated Machining Programs

Description
This course introduces the principles of mold making. Topics include types, construction, and application of molds. Upon completion, students should be able to design and build simple molds. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAC245 - Mold Construction I requires MAC113 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAC113 - Machining Technology III

Additional Comments:
Course MAC245 - Mold Construction I requires the Course(s) MAC113 to be completed as a Prerequisite.

MAC246 - Mold Construction II

Overview

Subject code	Course Number	Department(s)
MAC	246	Computer Integrated Machining Programs

Description

This course provides continued study in the application and use of molds. Emphasis is placed on design and manufacturing of complex molds. Upon completion, students should be able to design and build complex molds. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

MAC248 - Production Procedures

Overview

Subject code	Course Number	Department(s)
MAC	248	Computer Integrated Machining Programs

Description

This course covers product planning and control, and scheduling and routing of operations. Topics, include cost-effective production methods, dimensional and statistical quality control, and, the tooling and machines required for production, Upon completion, students should be able to plan, set up, and produce cost-effective quality, machined parts. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAT3 - Transition Math

Overview

Subject code	Course Number
MAT	3

Description

This course provides an opportunity to customize, foundational math content in specific math areas, and will include developing a growth mindset, Topics include developing the academic habits, learning strategies, social skills, and growth, mindset necessary to be successful in, mathematics. Upon completion, students should be, able to build a stronger foundation for success, in their gateway level math courses by obtaining, skills through a variety of instructional, strategies with emphasis placed on the most, essential prerequisite knowledge. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MAT003 - Transition Math

Overview

Subject code	Course Number	Department(s)
MAT	003	General Education, Transfer Programs

Description

This course provides an opportunity to customize foundational math content in specific math areas and will include developing a growth mindset. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in their gateway level math courses by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Credits

Class Hours

0

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MAT010 - Math Measurement and Literacy Support

Overview

Subject code	Course Number	Department(s)
MAT	010	General Education, Transfer Programs

Description

This course provides an opportunity to customize foundational math content specific to Math Measurement & Literacy. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Math Measurement & Literacy by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MAT10 - Math Measurement & Literacy Support

Overview

Subject code	Course Number
MAT	10

Description

This course provides an opportunity to customize, foundational math content specific to Math, Measurement & Literacy. Topics include developing, the academic habits, learning strategies, social, skills, and growth mindset necessary to be, successful in mathematics. Upon completion, students should be able to build a stronger, foundation for success in Math Measurement &, Literacy by obtaining skills through a variety of, instructional strategies with emphasis placed on, the most essential prerequisite knowledge. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MAT43 - Quantitative Literacy Support

Overview

Subject code	Course Number
MAT	43

Description

This course provides an opportunity to customize, foundational math content specific to, Quantitative Literacy. Topics include developing, the academic habits, learning strategies, social, skills, and growth mindset necessary to be, successful in mathematics. Upon completion, students should be able to build a stronger, foundation for success in Quantitative Literacy, by obtaining skills through a variety of, instructional strategies with emphasis placed on, the most essential prerequisite knowledge. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAT043 - Quantitative Literacy Support

Overview

Subject code	Course Number	Department(s)
MAT	043	General Education, Transfer Programs

Description

This course provides an opportunity to customize foundational math content specific to Quantitative Literacy. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Quantitative Literacy by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAT045 - Math Skills Support

Overview

Subject code
MAT

Course Number
045

Course Requirements

Simple Requisites

This course provides opportunities for students to build a stronger foundation for success in their gateway math course by obtaining skills through a variety of instructional strategies. Emphasis is placed on foundational skills as well as concepts, skills, vocabulary and definitions necessary to master student learning outcomes of the gateway math course. Upon completion, student should be able to apply mathematical concepts and critical thinking skills to solve problems relevant to the student's gateway math course.

MAT52 - Statistical Methods I Support

Overview

Subject code
MAT

Course Number
52

Description
This course provides an opportunity to customize, foundational math content specific to Statistical, Methods I. Topics include developing the academic, habits, learning strategies, social skills, and, growth mindset necessary to be successful in, mathematics. Upon completion, students should be, able to build a stronger foundation for success, in Statistical Methods I by obtaining skills, through a variety of instructional strategies, with emphasis placed on the most essential, prerequisite knowledge. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAT052 - Statistical Methods I Support

Overview

Subject code	Course Number	Department(s)
MAT	052	General Education, Transfer Programs

Description

This course provides an opportunity to customize foundational math content specific to Statistical Methods I. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Statistical Methods I by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAT071 - Precalculus Algebra Support

Overview

Subject code	Course Number	Department(s)
MAT	071	General Education, Transfer Programs

Description

This course provides an opportunity to customize foundational math content specific to Precalculus Algebra. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Precalculus Algebra by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request.

Credits

Class Hours

0

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAT71 - Precalculus Algebra Support

Overview

Subject code
MAT

Course Number
71

Description
This course provides an opportunity to customize, foundational math content specific to Precalculus, Algebra. Topics include developing the academic, habits, learning strategies, social skills, and, growth mindset necessary to be successful in, mathematics. Upon completion, students should be, able to build a stronger foundation for success, in Precalculus Algebra by obtaining skills, through a variety of instructional strategies, with emphasis placed on the most essential, prerequisite knowledge. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MAT110 - Math Measurement & Literacy

Overview

Subject code
MAT

Course Number
110

Department(s)
General Education, Transfer Programs

Description
This course provides an activity-based approach that develops measurement skills and mathematical literacy using technology to solve problems for non-math intensive programs. Topics include unit conversions and estimation within a variety of measurement systems; ratio and proportion; basic geometric concepts; financial literacy; and statistics including measures of central tendency, dispersion, and charting of data. Upon completion, students should be able to demonstrate the use of mathematics and technology to solve practical problems, and to analyze and communicate results. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MAT110 - Math Measurement & Literacy requires MAT003P1 or BSP4003P1 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:

Course MAT110 - Math Measurement & Literacy requires the Course(s) MAT003P1 or BSP4003P1 to be completed as a Prerequisite.

Course MAT110 - Math Measurement & Literacy requires (DMA010 AND DMA020 AND DMA030) OR DMA025 OR MAT003 OR BSP4003 be completed before enrolling.
Type
Prerequisite

Course MAT110 - Math Measurement & Literacy requires (DMA010 AND DMA020 AND DMA030) OR DMA025 OR MAT003 OR BSP4003 be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course MAT110 - Math Measurement & Literacy requires the Course(s) (DMA010 AND DMA020 AND DMA030) OR DMA025 OR MAT003 OR BSP4003 to be completed as a Prerequisite.

Course MAT110 - Math Measurement & Literacy requires MAT010
Type
Prerequisite

Course MAT110 - Math Measurement & Literacy requires MAT010

Requisite Condition Not Found

Additional Comments:
Course MAT110 - Math Measurement & Literacy requires the Course(s) MAT010 to be completed as a Prerequisite or taken in parallel as a Corequisite.

MAT122 - Algebra/Trigonometry II

Overview

Subject code
MAT

Course Number
122

Description
This course is designed to cover concepts in, algebra, function analysis, and trigonometry. , Topics include exponential and logarithmic, functions, transformations of functions, Law of, Sines, Law of Cosines, vectors, and statistics. , Upon completion, students should be able to, demonstrate the ability to use mathematics and, technology for problem-solving, analyzing and, communicating results. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MAT122 - Algebra/Trigonometry II requires MAT121 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MAT122 - Algebra/Trigonometry II requires the Course(s) MAT121 to be completed as a Prerequisite.

MAT143 - Quantitative Literacy

Overview

Subject code	Course Number	Department(s)
MAT	143	General Education, Transfer Programs

Description
This course is designed to engage students in complex and realistic situations involving the mathematical phenomena of quantity, change and relationship, and uncertainty through project- and activity-based assessment. Emphasis is placed on authentic contexts which will introduce the concepts of numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities, and mathematics for citizenship. Upon completion, students should be able to utilize quantitative information as consumers and to make personal, professional, and civic decisions by decoding, interpreting, using, and communicating quantitative information found in modern media and encountered in everyday life. Some online sections of MAT-143 may require students to come to campus to take a proctored final exam. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request. Some online sections of MAT-143 may require students to come to campus to take a proctored final exam.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MAT143 - Quantitative Literacy requires MAT003P2 or BSP4003P2 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MAT143 - Quantitative Literacy requires the Course(s) MAT003P2 or BSP4003P2 to be completed as a Prerequisite.

Course MAT143 - Quantitative Literacy requires (DMA010 AND DMA020 AND DMA030 AND DRE098) OR (DMA010 AND DMA020 AND DMA030 AND ENG002) OR (DMA010 AND DMA020 AND DMA030 AND BSP4002) OR (DMA025 AND DRE098) OR (DMA025 AND ENG002) OR (DMA025 AND BSP4002) OR (MAT003 AND DRE098) OR (MAT003 AND ENG002) OR (MAT003 AND BSP4002) OR (BSP4003 AND DRE098) OR (BSP4003 AND ENG002) OR (BSP4003 AND BSP4002) be completed before enrolling.
Type
Prerequisite

Course MAT143 - Quantitative Literacy requires (DMA010 AND DMA020 AND DMA030 AND DRE098) OR (DMA010 AND DMA020 AND DMA030 AND ENG002) OR (DMA010 AND DMA020 AND DMA030 AND BSP4002) OR (DMA025 AND DRE098) OR (DMA025 AND ENG002) OR (DMA025 AND BSP4002) OR (MAT003 AND DRE098) OR (MAT003 AND ENG002) OR (MAT003 AND BSP4002) OR (BSP4003 AND DRE098) OR (BSP4003 AND ENG002) OR (BSP4003 AND BSP4002) be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course MAT143 - Quantitative Literacy requires the Course(s) (DMA010 AND DMA020 AND DMA030 AND DRE098) OR (DMA010 AND DMA020 AND DMA030 AND ENG002) OR (DMA010 AND DMA020 AND DMA030 AND BSP4002) OR (DMA025 AND DRE098) OR (DMA025 AND ENG002) OR (DMA025 AND BSP4002) OR (MAT003 AND DRE098) OR (MAT003 AND ENG002) OR (MAT003 AND BSP4002) OR (BSP4003 AND DRE098) OR (BSP4003 AND ENG002) OR (BSP4003 AND BSP4002) to be completed as a Prerequisite.

Course MAT143 - Quantitative Literacy requires MAT043
Type
Prerequisite

Course MAT143 - Quantitative Literacy requires MAT043

Requisite Condition Not Found

Additional Comments:
Course MAT143 - Quantitative Literacy requires the Course(s) MAT043 to be completed as a Prerequisite or taken in parallel as a Corequisite.

MAT152 - Statistical Methods I

Overview

Subject code	Course Number	Department(s)
MAT	152	General Education, Transfer Programs

Description
This course provides a project-based approach to introductory statistics with an emphasis on using real-world data and statistical literacy. Topics include descriptive statistics, correlation and regression, basic probability, discrete and continuous probability distributions, confidence intervals and hypothesis testing. Upon completion, students should be able to use appropriate technology to describe important characteristics of a data set, draw inferences about a population from sample data, and interpret and communicate results. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAT152 - Statistical Methods I requires MAT003P2 or BSP4003P2 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MAT152 - Statistical Methods I requires the Course(s) MAT003P2 or BSP4003P2 to be completed as a Prerequisite.

Course MAT152 - Statistical Methods I requires (DMA010 AND DMA020 AND DMA030 AND DRE098) OR (DMA010 AND DMA020 AND DMA030 AND ENG002) OR (DMA010 AND DMA020 AND DMA030 AND BSP4002) OR (DMA025 AND DRE098) OR (DMA025 AND ENG002) OR (DMA025 AND BSP4002) OR (MAT003 AND DRE098) OR (MAT003 AND ENG002) OR (MAT003 AND BSP4002) OR (BSP4003 AND DRE098) OR (BSP4003 AND ENG002) OR (BSP4003 AND BSP4002) be completed before enrolling.
Type
Prerequisite

Course MAT152 - Statistical Methods I requires (DMA010 AND DMA020 AND DMA030 AND DRE098) OR (DMA010 AND DMA020 AND DMA030 AND ENG002) OR (DMA010 AND DMA020 AND DMA030 AND BSP4002) OR (DMA025 AND DRE098) OR (DMA025 AND ENG002) OR (DMA025 AND BSP4002) OR (MAT003 AND DRE098) OR (MAT003 AND ENG002) OR (MAT003 AND BSP4002) OR (BSP4003 AND DRE098) OR (BSP4003 AND ENG002) OR (BSP4003 AND BSP4002) be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course MAT152 - Statistical Methods I requires the Course(s) (DMA010 AND DMA020 AND DMA030 AND DRE098) OR (DMA010 AND DMA020 AND DMA030 AND ENG002) OR (DMA010 AND DMA020 AND DMA030 AND BSP4002) OR (DMA025 AND DRE098) OR (DMA025 AND ENG002) OR (DMA025 AND BSP4002) OR (MAT003 AND DRE098) OR (MAT003 AND ENG002) OR (MAT003 AND BSP4002) OR (BSP4003 AND DRE098) OR (BSP4003 AND ENG002) OR (BSP4003 AND BSP4002) to be completed as a Prerequisite.

Course MAT152 - Statistical Methods I requires MAT052
Type
Prerequisite

Course MAT152 - Statistical Methods I requires MAT052

Requisite Condition Not Found

Additional Comments:
Course MAT152 - Statistical Methods I requires the Course(s) MAT052 to be completed as a Prerequisite or taken in parallel as a Corequisite.

MAT171 - Precalculus Algebra

Overview

Subject code
MAT

Course Number
171

Department(s)
General Education, Transfer Programs

Description
This course is designed to develop topics which are fundamental to the study of Calculus. Emphasis is placed on solving equations and inequalities, solving systems of equations and inequalities, and analysis of functions (absolute value, radical, polynomial, rational, exponential, and logarithmic) in multiple representations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to algebra-related problems with and without technology. Some online sections of MAT-171 may require students to come to campus to take a proctored final exam. Online sections may require online proctored exams that require a photo ID; i.e. work ID, student ID, driver's license, state ID, etc. with an in-person proctored exam available upon student request Some online sections of MAT-171 may require students to come to campus to take a proctored final exam.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAT171 - Precalculus Algebra requires MAT003P2 or BSP4003P3 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MAT171 - Precalculus Algebra requires the Course(s) MAT003P2 or BSP4003P3 to be completed as a Prerequisite.

Course MAT171 - Precalculus Algebra requires (DMA010 AND DMA020 AND DMA030 AND DMA040 AND DMA050) OR (DMA010 AND DMA020 AND DMA030 AND DMA045) OR (DMA025 AND DMA045) OR (DMA025 AND DMA040 AND DMA050) OR MAT121 OR MAT003 OR BSP4003 be completed before enrolling.
Type
Prerequisite

Course MAT171 - Precalculus Algebra requires (DMA010 AND DMA020 AND DMA030 AND DMA040 AND DMA050) OR (DMA010 AND DMA020 AND DMA030 AND DMA045) OR (DMA025 AND DMA045) OR (DMA025 AND DMA040 AND DMA050) OR MAT121 OR MAT003 OR BSP4003 be completed before enrolling.

Fulfill ANY of the following requirements:

Additional Comments:
Course MAT171 - Precalculus Algebra requires the Course(s) (DMA010 AND DMA020 AND DMA030 AND DMA040 AND DMA050) OR (DMA010 AND DMA020 AND DMA030 AND DMA045) OR (DMA025 AND DMA045) OR (DMA025 AND DMA040 AND DMA050) OR MAT121 OR MAT003 OR BSP4003 to be completed as a Prerequisite.

Course MAT171 - Precalculus Algebra requires MAT071
Type
Prerequisite

Course MAT171 - Precalculus Algebra requires MAT071

Requisite Condition Not Found

Additional Comments:
Course MAT171 - Precalculus Algebra requires the Course(s) MAT071 to be completed as a Prerequisite or taken in parallel as a Corequisite.

MAT172 - Precalculus Trigonometry

Overview

Subject code	Course Number	Department(s)
MAT	172	General Education, Transfer Programs

Description

This course is designed to develop an understanding of topics which are fundamental to the study of Calculus. Emphasis is placed on the analysis of trigonometric functions in multiple representations, right and oblique triangles, vectors, polar coordinates, conic sections, and parametric equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to trigonometry-related problems with and without technology. Some online sections of MAT-172 may require students to come to campus to take a proctored final exam. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAT172 - Precalculus Trigonometry requires MAT171 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- MAT171 - Precalculus Algebra

Additional Comments:

Course MAT172 - Precalculus Trigonometry requires the Course(s) MAT171 to be completed as a Prerequisite.

MAT175 - Precalculus

Overview

Subject code	Course Number
MAT	175

MAT271 - Calculus I

Overview

Subject code
MAT

Course Number
271

Department(s)
General Education, Transfer Programs

Description
This course is designed to develop the topics of differential and integral calculus. Emphasis is placed on limits, continuity, derivatives and integrals of algebraic and transcendental functions of one variable. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to derivative-related problems with and without technology. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAT271 - Calculus I requires MAT172 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT172 - Precalculus Trigonometry

Additional Comments:
Course MAT271 - Calculus I requires the Course(s) MAT172 to be completed as a Prerequisite.

MAT272 - Calculus II

Overview

Subject code
MAT

Course Number
272

Department(s)
General Education, Transfer Programs

Description
This course is designed to develop advanced topics of differential and integral calculus. Emphasis is placed on the applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to integral-related problems with and without technology. Some online sections require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAT272 - Calculus II requires MAT271 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT271 - Calculus I

Additional Comments:
Course MAT272 - Calculus II requires the Course(s) MAT271 to be completed as a Prerequisite.

MAT273 - Calculus III

Overview

Subject code	Course Number	Department(s)
MAT	273	General Education, Transfer Programs

Description
This course is designed to develop the topics of multivariate calculus. Emphasis is placed on multivariate functions, partial derivatives, multiple integration, solid analytical geometry, vector valued functions, and line and surface integrals. Upon completion, students should be able to select and use appropriate models and techniques for finding the solution to multivariate-related problems with and without technology. Some online sections require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course MAT273 - Calculus III requires MAT272 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT272 - Calculus II

Additional Comments:
Course MAT273 - Calculus III requires the Course(s) MAT272 to be completed as a Prerequisite.

MAT280 - Linear Algebra

Overview

Subject code	Course Number	Department(s)
MAT	280	General Education, Transfer Programs

Description
This course provides an introduction to linear algebra topics. Emphasis is placed on the development of abstract concepts and applications for vectors, systems of equations, matrices, determinants, vector spaces, multi-dimensional linear transformations, eigenvectors, eigenvalues, diagonalization and orthogonality. Upon completion, students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to linear algebra-related problems with and without technology. Some online sections require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MAT280 - Linear Algebra requires MAT271 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT271 - Calculus I

Additional Comments:
Course MAT280 - Linear Algebra requires the Course(s) MAT271 to be completed as a Prerequisite.

MAT285 - Differential Equations

Overview

Subject code	Course Number	Department(s)
MAT	285	General Education, Transfer Programs

Description
This course provides an introduction to topics involving ordinary differential equations. Emphasis is placed on the development of abstract concepts and applications for first-order and linear higher-order differential equations, systems of differential equations, numerical methods, series solutions, eigenvalues and eigenvectors, and LaPlace transforms. Upon completion, students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to differential equations-related problems with and without technology. Some online sections require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MAT285 - Differential Equations requires MAT272 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT272 - Calculus II

Additional Comments:
Course MAT285 - Differential Equations requires the Course(s) MAT272 to be completed as a Prerequisite.

MEC110 - Introduction to CAD/CAM

Overview

Subject code	Course Number	Department(s)
MEC	110	Engineering Programs

Description
This course introduces CAD/CAM. Emphasis is, placed on transferring part geometry from CAD to, CAM for the development of a CNC-ready program, Upon completion, students should be able to use, CAD/CAM software to produce a CNC program. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MEC130 - Mechanisms

Overview

Subject code	Course Number	Department(s)
MEC	130	Engineering Programs

Description

This course introduces the purpose and action of various mechanical devices. Topics include cams, cables, gear trains, differentials, screws, belts, pulleys, shafts, levers, lubricants, and other devices. Upon completion, students should be able to analyze, maintain, and troubleshoot the components of mechanical systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MEC145 - Manufacturing Materials I

Overview

Subject code	Course Number	Department(s)
MEC	145	Engineering Programs

Description

This course introduces a variety of manufacturing materials and common processing techniques. Emphasis is placed on the processing, testing, and application of materials such as wood, metals, plastics, ceramics, and composites. Upon completion, students should be able to demonstrate an understanding of fundamental engineering applications for a variety of materials, including their process capabilities and limitations. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MEC145 - Mfg Materials I requires EGR125
Type
Prerequisite

[object Object]

Additional Comments:
Course MEC145 - Mfg Materials I requires the Course(s) EGR125 to be completed as a Prerequisite or taken in parallel as a Corequisite.

MEC155 - Environmentally Benign Manufacturing

Overview

Subject code	Course Number	Department(s)
MEC	155	C, E, M, Engineering Programs

Description
This course introduces environmental issues, involving the generation and management of, hazardous materials and wastes in manufacturing, operations. Topics include the analysis of, manufacturing trends, pollution minimization, strategies, and the advantages of incorporating a, sustainable approach to manufacturing. Upon, completion, students should be able to discuss, analysis and modification of industrial processes, in manufacturing facilities toward a sustainable, end. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MEC260 - Fundamentals of Machine Design

Overview

Subject code	Course Number	Department(s)
MEC	260	Engineering Programs

Description
This course introduces the fundamental principles of machine design. Topics include simple analysis of forces, moments, stresses, strains, friction, kinematics, and other considerations for designing machine elements. Upon completion, students should be able to analyze machine components and make component selections from manufacturers' catalogs. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MEC260 - Fund of Machine Design requires EGR250 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- EGR250 - Statics/Strength of Mater

Additional Comments:
Course MEC260 - Fund of Machine Design requires the Course(s) EGR250 to be completed as a Prerequisite.

MEC276 - Capstone Design Project

Overview

Subject code	Course Number	Department(s)
MEC	276	Engineering Programs

Description

This course provides an opportunity for students to utilize all facets of their educational experience to solve an engineering design problem in a multi-disciplinary environment. Competencies demonstrated include project planning and organization, engineering analysis and design, selection of materials and processes, economic analysis, communication, and project documentation. Upon completion, students should be able to demonstrate the ability to complete a comprehensive design project, concluding with a formal report. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MED120 - Survey of Medical Terminology

Overview

Subject code	Course Number	Department(s)
MED	120	Office Administration Programs, Healthcare Programs

Description

This course introduces the vocabulary, abbreviations, and symbols used in the language of, medicine. Emphasis is placed on building medical, terms using prefixes, suffixes, and word roots, Upon completion, students should be able to, pronounce, spell, and define accepted medical, terms. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MED121 - Medical Terminology I

Overview

Subject code	Course Number	Department(s)
MED	121	Office Administration Programs, Healthcare Programs

Description

This course introduces prefixes, suffixes, and word roots used in the language of medicine. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MED122 - Medical Terminology II

Overview

Subject code	Course Number	Department(s)
MED	122	Office Administration Programs, Healthcare Programs

Description

This course is the second in a series of medical terminology courses. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MKT120 - Principles of Marketing

Overview

Subject code	Course Number	Department(s)
MKT	120	Business Programs

Description

This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MKT123 - Fundamentals of Selling

Overview

Subject code	Course Number
MKT	123

Description

This course is designed to emphasize the necessity, of selling skills in a modern business, environment. Emphasis is placed on sales, techniques involved in various types of selling, situations. Upon completion, students should be, able to demonstrate an understanding of the, techniques covered. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MKT220 - Advertising and Sales Promotions

Overview

Subject code	Course Number	Department(s)
MKT	220	Business Programs

Description

This course covers the elements of advertising and sales promotion in the business environment. Topics include advertising and sales promotion appeals, selection of media, use of advertising and sales promotion as a marketing tool, and means of testing effectiveness. Upon completion, students should be able to demonstrate an understanding of the concepts covered through application. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MKT223 - Customer Experience

Overview

Subject code	Course Number	Department(s)
MKT	223	Business Programs

Description

This course stresses the importance of customer relations in the business world. Emphasis is placed on learning how to respond to complex customer requirements and to efficiently handle stressful situations. Upon completion, students should be able to demonstrate the ability to handle customer relations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MKT225 - Marketing Research

Overview

Subject code	Course Number	Department(s)
MKT	225	Business Programs

Description
This course provides information for decision making by providing guidance in developing, analyzing, and using data. Emphasis is placed on marketing research as a tool in decision making. Upon completion, students should be able to design and conduct a marketing research project and interpret the results. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course MKT225 - Marketing Research requires MKT120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MKT120 - Principles of Marketing

Additional Comments:
Course MKT225 - Marketing Research requires the Course(s) MKT120 to be completed as a Prerequisite.

MKT227 - Marketing Applications

Overview

Subject code	Course Number	Department(s)
MKT	227	Business Programs

Description
This course extends the study of diverse marketing strategies. Emphasis is placed on case studies and small-group projects involving research or planning. Upon completion, students should be able to effectively participate in the formulation of a marketing strategy. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Local Prerequisite
Type
Completion Requirement

Local Prerequisite

Complete ALL of the following Courses:
- MKT120 - Principles of Marketing

MKT232 - Social Media Marketing

Overview

Subject code	Course Number	Department(s)
MKT	232	Business Programs

Description

This course is designed to build students' social media marketing skills by utilizing projects that give students hands on experience implementing social media marketing strategies. Topics include integrating different social media technologies into a marketing plan, creating social media marketing campaigns, and applying appropriate social media tools. Upon completion, students should be able to use social media technologies to create and improve marketing efforts for businesses.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

MNT110 - Introduction to Maintenance Procedures

Overview

Subject code	Course Number	Department(s)
MNT	110	Computer Integrated Machining Programs

Description

This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other scheduled maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MNT160 - Industrial Fabrication

Overview

Subject code	Course Number	Department(s)
MNT	160	Computer Integrated Machining Programs

Description

This course covers the necessary techniques to fabricate and assemble basic items common in industrial environments. Emphasis is placed on students being able to create basic items such as frames, guards, supports, and other components commonly used in industry. Upon completion, students should be able to safely fabricate and assemble selected items within specifications. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

MUS110 - Music Appreciation

Overview

Subject code	Course Number	Department(s)
MUS	110	General Education

Description

This course is a basic survey of the music of the Western world. Emphasis is placed on the elements of music, terminology, composers, form, and style within a historical perspective. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of music. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MUS121 - Music Theory I

Overview

Subject code	Course Number	Department(s)
MUS	121	General Education

Description

This course provides an introduction to the musical elements of melody, rhythm, and harmony. Emphasis is placed upon the interaction of these elements through fundamental analysis and an introduction to part writing. Upon completion, students should be able to demonstrate understanding of melodic voice leading, rhythmic functions within simple and compound meters, and simple harmonic progressions. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MUS122 - Music Theory II

Overview

Subject code	Course Number	Department(s)
MUS	122	General Education

Description

This course provides a comprehensive study of diatonic harmony. Emphasis is placed on voice leading tasks, part writing, and analysis using various labeling systems. Upon completion, students should be able to demonstrate harmonic principles through four-voice part writing, recognize and label non-harmonic tones, analyze chords using Roman numerals, figured bass, and lead sheet symbols, and classify small-scale phrase structure and cadence types. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

MUS151 - Class Music I

Overview

Subject code	Course Number	Department(s)
MUS	151	General Education

Description

This course provides group instruction in skills and techniques of the particular instrument or voice for those with little or no previous experience. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MUS151B - Class Music I - Piano I

Overview

Subject code	Course Number
MUS	151B

Description

This course provides group instruction in skills, and techniques of the particular instrument or, voice for those with little or no previous, experience. Emphasis is placed on techniques and, styles and the exploration and study of, appropriate literature. Upon completion, students, should be able to demonstrate proficiency in the, studied skills and repertoire through performance. This course provides group instruction in skills, and techniques of the Piano for those with little, or no previous experience. Emphasis is placed on, techniques and styles and the exploration and, study of appropriate literature. Upon, completion, students should be able to, demonstrate proficiency in the studied skills and, repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MUS152 - Class Music II

Overview

Subject code	Course Number	Department(s)
MUS	152	General Education

Description

This course is a continuation of MUS 151. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MUS152B - Class Music II - Piano II

Overview

Subject code	Course Number
MUS	152B

Description

This course is a continuation of MUS 151, Emphasis is placed on techniques and styles and, the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. This course is a continuation of MUS 151B - Piano, I. Emphasis is placed on techniques and styles, and the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course MUS152B - Class Music II - Piano II requires MUS151 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

Additional Comments:

Course MUS152B - Class Music II - Piano II requires the Course(s) MUS151 to be completed as a Prerequisite.

MUS162 - Applied Music II

Overview

Subject code
MUS

Course Number
162

Description
This course is a continuation of MUS 161, Emphasis is placed on techniques and styles and, the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course MUS162 - Applied Music II requires MUS161 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS162 - Applied Music II requires the Course(s) MUS161 to be completed as a Prerequisite.

Course MUS162 - Applied Music II requires MUS161 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS162 - Applied Music II requires the Course(s) MUS161 to be completed as a Prerequisite.

Course MUS162 - Applied Music II requires MUS122 and MUS142
Type
Prerequisite

Course MUS162 - Applied Music II requires MUS122 and MUS142

Requisite Condition Not Found

Additional Comments:
Course MUS162 - Applied Music II requires the Course(s) MUS122 and MUS142 to be completed as a Prerequisite or taken in parallel as a Corequisite.

MUS242 - Ensemble IV

Overview

Subject code	Course Number	Department(s)
MUS	242	M, S, U

Description
This course is a continuation of MUS 241, Emphasis is placed on the development of, performance skills and the study of styles of, ensemble literature. Upon completion, students, should be able to demonstrate skills needed to, participate in ensemble playing leading to, performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course MUS242 - Ensemble IV requires MUS241 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS242 - Ensemble IV requires the Course(s) MUS241 to be completed as a Prerequisite.

Course MUS242 - Ensemble IV requires MUS241 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS242 - Ensemble IV requires the Course(s) MUS241 to be completed as a Prerequisite.

Course MUS242 - Ensemble IV requires MUS222 and MUS262
Type
Prerequisite

Course MUS242 - Ensemble IV requires MUS222 and MUS262

Requisite Condition Not Found

Additional Comments:
Course MUS242 - Ensemble IV requires the Course(s) MUS222 and MUS262 to be completed as a Prerequisite or taken in parallel as a Corequisite.

MUS251 - Class Music III

Overview

Subject code	Course Number	Department(s)
MUS	251	General Education

Description
This course is a continuation of MUS 152. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MUS251B - Class Music III - Piano III

Overview

Subject code
MUS

Course Number
251B

Description
This course is a continuation of MUS 152, Emphasis is placed on techniques and styles and, the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. This course is a continuation of MUS-152B - Piano, II. Emphasis is placed on techniques and styles, and the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course MUS251B - Class Music III - Piano III requires MUS152 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS251B - Class Music III - Piano III requires the Course(s) MUS152 to be completed as a Prerequisite.

Course MUS251B - Class Music III - Piano III requires MUS152 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS251B - Class Music III - Piano III requires the Course(s) MUS152 to be completed as a Prerequisite.

MUS252 - Class Music IV

Overview

Subject code
MUS

Course Number
252

Department(s)
General Education

Description
This course is a continuation of MUS 251. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

MUS252B - Class Music IV - Piano IV

Overview

Subject code
MUS

Course Number
252B

Description
This course is a continuation of MUS 251, Emphasis is placed on techniques and styles and, the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. This course is a continuation of MUS-251B - Piano, III. Emphasis is placed on techniques and styles, and the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course MUS252B - Class Music IV - Piano IV requires MUS251 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS252B - Class Music IV - Piano IV requires the Course(s) MUS251 to be completed as a Prerequisite.

Course MUS252B - Class Music IV - Piano IV requires MUS251 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS252B - Class Music IV - Piano IV requires the Course(s) MUS251 to be completed as a Prerequisite.

MUS262 - Applied Music IV

Overview

Subject code
MUS

Course Number
262

Description
This course is a continuation of MUS 261, Emphasis is placed on techniques and styles and, the exploration and study of appropriate, literature. Upon completion, students should be, able to demonstrate proficiency in the studied, skills and repertoire through performance. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course MUS262 - Applied Music IV requires MUS261 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS262 - Applied Music IV requires the Course(s) MUS261 to be completed as a Prerequisite.

Course MUS262 - Applied Music IV requires MUS261 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course MUS262 - Applied Music IV requires the Course(s) MUS261 to be completed as a Prerequisite.

Course MUS262 - Applied Music IV requires MUS222 and MUS242
Type
Prerequisite

Course MUS262 - Applied Music IV requires MUS222 and MUS242

Requisite Condition Not Found

Additional Comments:
Course MUS262 - Applied Music IV requires the Course(s) MUS222 and MUS242 to be completed as a Prerequisite or taken in parallel as a Corequisite.

NAS101 - Nurse Aide 1

Overview

Subject code	Course Number	Department(s)
NAS	101	Healthcare Programs

Description

This course includes basic nursing skills required to provide safe, competent personal care for individuals. Emphasis is placed on person-centered care, the aging process, communication, safety/ emergencies, infection prevention, legal and ethical issues, vital signs, height and weight measurements, elimination, nutrition, basic restorative care/rehabilitation, dementia, mental health and end-of-life care. Upon completion, students should be able to demonstrate knowledge and skills and be eligible to test for listing on the North Carolina Nurse Aide I Registry. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

4

Clinic Hours

3

Work Exp Hours

0

Credit Hours

6

NAS102 - Nurse Aide 2

Overview

Subject code	Course Number	Department(s)
NAS	102	Healthcare Programs

Description

This course provides training in Nurse Aide II, tasks. Emphasis is placed on the role of the, Nurse Aide II, sterile technique and specific, tasks such as urinary catheterization, wound, care, respiratory procedures, ostomy care, peripheral IV assistive activities, and, alternative feeding methods. Upon completion, students should be able to demonstrate knowledge, and skills and safe performance of skills, necessary to be eligible for listing on the North, Carolina Nurse Aide II Registry. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

6

Work Exp Hours

0

Credit Hours

6

Course Requirements

Simple Requisites

Course NAS102 - Nurse Aide II requires NAS101 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- NAS101 - Nurse Aide 1

Additional Comments:
Course NAS102 - Nurse Aide II requires the Course(s) NAS101 to be completed as a Prerequisite.

NAS103 - Home Health Care Nurse Aide

Overview

Subject code	Course Number	Department(s)
NAS	103	Healthcare Programs

Description

This course provides advanced training for the, currently listed Nurse Aide I enhancing specific, skills needed when working in the home care, setting. Topics include person-centered care, nutrition, hydration, patient and personal, safety, mental health, dementia, behavioral, challenges, pain management, palliative care, and, stress management. Upon completion, students are, eligible for listing as a home care nurse aide, with the North Carolina Nurse Aide Registry. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

2

Clinic Hours

6

Work Exp Hours

0

Credit Hours

6

Course Requirements

Simple Requisites

Course NAS103 - Home Health Care Nurse Aide requires NAS101 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- NAS101 - Nurse Aide 1

Additional Comments:

Course NAS103 - Home Health Care Nurse Aide requires the Course(s) NAS101 to be completed as a Prerequisite.

NAS106 - Geriatric Aide

Overview

Subject code	Course Number	Department(s)
NAS	106	Healthcare Programs

Description

This course is designed to enhance the knowledge of the Nurse Aide I providing care to the aging population. Emphasis is placed on the person-centered care, stress management, health promotion, dementia/challenging behaviors, mental health issues, and end-of-life/ palliative care. Upon completion, students should be able to demonstrate knowledge and provide safe care for the aging population and are eligible to be listed on the North Carolina Geriatric Nurse Aide registry. Some online sections may require proctored exams.

Credits

Class Hours

5

Lab Hours

0

Clinic Hours

3

Work Exp Hours

0

Credit Hours

6

NAS111 - Nurse Aide I

Overview

Subject code	Course Number	Department(s)
NAS	555	Healthcare Programs

Description

This course includes basic nursing skills required to provide safe, competent personal care for individuals. Emphasis is placed on person-centered care, the aging process, communication, safety/ emergencies, infection prevention, legal and ethical issues, vital signs, height and weight measurements, elimination, nutrition, basic restorative care/rehabilitation, dementia, mental health and end-of-life care. Upon completion, students should be able to demonstrate knowledge and skills and be eligible to test for listing on the North Carolina Nurse Aide I Registry. Some online classes may required proctored exams.

Credits

Class Hours

3

Lab Hours

4

Clinic Hours

3

Work Exp Hours

0

Credit Hours

6

NET125 - Introduction to Networks

Overview

Subject code	Course Number	Department(s)
NET	125	Business Programs, Information Technology Programs

Description

This course introduces the architecture, structure, functions, components, and models of the Internet and computer networks. Topics include introduction to the principles of IP addressing and fundamentals of Ethernet concepts, media, and operations. Upon completion, students should be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NET126 - Routing Basics

Overview

Subject code	Course Number	Department(s)
NET	126	Information Technology Programs

Description

This course covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Emphasis is placed on configuring and troubleshooting routers and switches for advanced functionality using security best practices and resolving common network issues utilizing both IPv4 and IPv6 protocols. Upon completion, students should be able to configure VLANs and Inter-VLAN routing applying security best practices, troubleshoot inter-VLAN routing on Layer 3 devices, configure redundancy on a switched network using STP and EtherChannel, configure WLANs using a WLC and L2 security best practices and configure IPv4 and IPv6 static routing on routers. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NET225 - Routing & Switching I

Overview

Subject code	Course Number	Department(s)
NET	225	Information Technology Programs

Description

This course is designed to cover the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. Emphasis is placed on configuring, troubleshooting, and securing enterprise network devices and understanding how application programming interfaces (API) and configuration management tools enable network automation. Upon completion, students should be able to configure link state routing protocols, implement ACLs to filter traffic and secure administrative access, configure NAT services on the router to provide address scalability, explain techniques to provide address scalability and secure remote access for WAN, and explain how automation affects evolving networks. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NET226 - Routing and Switching II

Overview

Subject code	Course Number	Department(s)
NET	226	Information Technology Programs

Description

This course covers the methodologies and tools of modern software development, applied to IT and Network operations. Emphasis is placed on network programming in current network scripting languages, using GIT and common data formats, deploying applications as containers, using Continuous Integration/Continuous Deployment (CI/CD) pipelines and automating infrastructure using code. Upon completion, students should be able to use basic Python programming and Linux skills, implement a development environment, use software development and design best practices, create a secure API, use current technologies to deploy and secure applications and compare software testing and deployment methods in automation and simulation environments. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NET241 - Introduction to VOIP

Overview

Subject code	Course Number	Department(s)
NET	241	Information Technology Programs

Description

This course introduces students to the terms and definitions of analog phone systems and voice over internet protocol (VOIP) networks and how to configure, maintain, and troubleshoot said networks. Topics include configuring and maintaining an internet protocol (IP) telephone system, provisioning phones and users,
configuring call features, and establishing voicemail over VOIP networks. Upon completion, students should be able to discuss the terms and definitions of VOIP as well as configure and maintain an IP telephone system, provision phones and users, configure call features and voicemail. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NOS120 - Linux Single User

Overview

Subject code	Course Number	Department(s)
NOS	120	Information Technology Programs

Description

This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NOS125 - Linux/Unix Scripting

Overview

Subject code	Course Number	Department(s)
NOS	125	Information Technology Programs

Description

This course covers the concepts and features of shell scripting. Topics include process control, shell scripting, advanced search techniques and power user utilities. Upon completion, students should be able to successfully perform various shell scripting tasks. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NOS130 - Windows Single User

Overview

Subject code
NOS

Course Number
130

Department(s)
Information Technology Programs

Description
This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NOS220 - Linux Administration I

Overview

Subject code
NOS

Course Number
220

Description
This course introduces the Linux file system, group administration, and system hardware, controls. Topics include installation, creation, and maintaining file systems, NIS client and DHCP, client configuration, NFS, SMB/Samba, Configure X, Gnome, KDE, basic memory, processes, and security, Upon completion, students should be able to, perform system administration tasks including, installation, configuring and attaching a new, Linux workstation to an existing network. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course NOS220 - Linux/Unix Admin I requires NOS120 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- NOS120 - Linux Single User

Additional Comments:
Course NOS220 - Linux/Unix Admin I requires the Course(s) NOS120 to be completed as a Prerequisite.

NOS230 - Windows Administration I

Overview

Subject code	Course Number	Department(s)
NOS	230	Information Technology Programs

Description

This course covers the installation and configuration of a Windows Server operating system. Emphasis is placed on the basic configuration of core network services, Active Directory and group policies. Upon completion, students should be able to install and configure a Windows Server operating system. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

NUR101 - Practical Nursing I

Overview

Subject code	Course Number	Department(s)
NUR	101	Healthcare Programs

Description

This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including assessment, clinical decision making, professional behaviors, caring interventions, biophysical and psychosocial concepts, communication, collaboration, teaching/learning, safety, ethical principles, legal issues, informatics, and evidence-based practice. Upon completion, students should be able to provide safe nursing care across the lifespan incorporating the concepts identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

7

Lab Hours

6

Clinic Hours

6

Credit Hours

11

NUR102 - Practical Nursing II

Overview

Subject code	Course Number	Department(s)
NUR	102	Healthcare Programs

Description

This course is designed to further develop the concepts within the three domains of the individual, nursing, and healthcare. Emphasis is placed on the concepts within each domain including clinical decision making, caring interventions, biophysical and psychosocial concepts, communication, collaboration, teaching and learning, accountability, safety, informatics, and evidence-based practice. Upon completion, students should be able to provide safe nursing care across the lifespan incorporating the concepts identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

7

Clinic Hours

9

Credit Hours

10

Course Requirements

Simple Requisites

Prerequisite - NUR 101
Type
Completion Requirement

Complete ALL of the following Courses:
- NUR101 - Practical Nursing I

NUR103 - Practical Nursing III

Overview

Subject code	Course Number	Department(s)
NUR	103	Healthcare Programs

Description

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on biophysical and psychosocial concepts, professional behaviors, healthcare systems, health policy, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide safe, quality, and individualized entry level nursing care. Some online sections may require proctored exams.

Credits

Class Hours

6

Clinic Hours

9

Credit Hours

9

Course Requirements

Simple Requisites

Prerequisite - NUR 101
Type
Completion Requirement

Nursing Prerequisite

Complete ALL of the following Courses:
- NUR101 - Practical Nursing I

NUR111 - Introduction to Health Concepts

Overview

Subject code	Course Number	Department(s)
NUR	111	Healthcare Programs

Description
This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including medication administration, assessment, nutrition, ethics, interdisciplinary teams, informatics, evidence-based practice, individual-centered care, and quality improvement. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

6

Clinic Hours

6

Work Exp Hours

0

Credit Hours

8

Course Requirements

Simple Requisites

Course NUR111 - Intro to Health Concepts requires BIO165 or BIO168
Type
Prerequisite

[object Object]

Additional Comments:
Course NUR111 - Intro to Health Concepts requires the Course(s) BIO165 or BIO168 to be completed as a Prerequisite or taken in parallel as a Corequisite.

NUR112 - Health-Illness Concepts

Overview

Subject code	Course Number	Department(s)
NUR	112	Healthcare Programs

Description
This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of acid-base, metabolism, cellular regulation, oxygenation, infection, stress/coping, health-wellness-illness, communication, caring interventions, managing care, safety, quality improvement, and informatics. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course NUR112 - Health-Illness Concepts requires be completed before enrolling.
Type
Prerequisite

Course NUR112 - Health-Illness Concepts requires be completed before enrolling.

Complete ALL of the following Courses:

No selection provided

Additional Comments:
Course NUR112 - Health-Illness Concepts requires the Course(s) to be completed as a Prerequisite.

Course NUR112 - Health-Illness Concepts requires
Type
Prerequisite

Course NUR112 - Health-Illness Concepts requires

Requisite Condition Not Found

Additional Comments:
Course NUR112 - Health-Illness Concepts requires the Course(s) to be completed as a Prerequisite or taken in parallel as a Corequisite.

NUR113 - Family Health Concepts

Overview

Subject code	Course Number	Department(s)
NUR	113	Healthcare Programs

Description
This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of oxygenation, sexuality, reproduction, grief/loss, mood/affect, behaviors, development, family, health-wellness-illness, communication, caring interventions, managing care, safety, and advocacy. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course NUR113 - Family Health Concepts requires NUR111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- NUR111 - Introduction to Health Concepts

Additional Comments:
Course NUR113 - Family Health Concepts requires the Course(s) NUR111 to be completed as a Prerequisite.

NUR114 - Holistic Health Concepts

Overview

Subject code	Course Number	Department(s)
NUR	114	Healthcare Programs

Description

This course is designed to further develop the, concepts within the three domains of the, individual, healthcare, and nursing. Emphasis is, placed on the concepts of cellular regulation, perfusion, inflammation, sensory perception, stress/coping, mood/affect, cognition, self, violence, health-wellness-illness, professional, behaviors, caring interventions, and safety. Upon, completion, students should be able to provide, safe nursing care incorporating the concepts, identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course NUR114 - Holistic Health Concepts requires be completed before enrolling.
Type
Prerequisite

Course NUR114 - Holistic Health Concepts requires be completed before enrolling.

Complete ALL of the following Courses:

No selection provided

Additional Comments:
Course NUR114 - Holistic Health Concepts requires the Course(s) to be completed as a Prerequisite.

Course NUR114 - Holistic Health Concepts requires
Type
Prerequisite

Course NUR114 - Holistic Health Concepts requires

Requisite Condition Not Found

Additional Comments:
Course NUR114 - Holistic Health Concepts requires the Course(s) to be completed as a Prerequisite or taken in parallel as a Corequisite.

NUR211 - Health Care Concepts

Overview

Subject code	Course Number	Department(s)
NUR	211	Healthcare Programs

Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, infection, immunity, mobility, comfort, behaviors, health-wellness-illness, clinical decision-making, caring interventions, managing care, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course NUR211 - Health Care Concepts requires NUR111 be completed before enrolling.
Type
Prerequisite

Course NUR211 - Health Care Concepts requires be completed before enrolling.

Complete ALL of the following Courses:

No selection provided

Additional Comments:
Course NUR211 - Health Care Concepts requires NUR111 to be completed as a Prerequisite.

Course NUR211 - Health Care Concepts requires
Type
Prerequisite

Course NUR211 - Health Care Concepts requires

Requisite Condition Not Found

Additional Comments:
Course NUR211 - Health Care Concepts requires the Course(s) to be completed as a Prerequisite or taken in parallel as a Corequisite.

NUR212 - Health System Concepts

Overview

Subject code	Course Number	Department(s)
NUR	212	Healthcare Programs

Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of grief/loss, violence, health-wellness-illness, collaboration, managing care, safety, advocacy, legal issues, policy, healthcare systems, ethics, accountability, and evidence-based practice. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course NUR212 - Health System Concepts requires NUR111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- NUR111 - Introduction to Health Concepts

Additional Comments:
Course NUR212 - Health System Concepts requires the Course(s) NUR111 to be completed as a Prerequisite.

NUR213 - Complex Health Concepts

Overview

Subject code	Course Number	Department(s)
NUR	213	Healthcare Programs

Description

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, perfusion, mobility, stress/coping, violence, health-wellness-illness, professional behaviors, caring interventions, managing care, healthcare systems, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry level nursing care. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

3

Clinic Hours

15

Work Exp Hours

0

Credit Hours

10

Course Requirements

Simple Requisites

Course NUR213 - Complex Health Concepts requires NUR111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- NUR111 - Introduction to Health Concepts

Additional Comments:
Course NUR213 - Complex Health Concepts requires the Course(s) NUR111 to be completed as a Prerequisite.

Course NUR213 - Complex Health Concepts requires NUR112

AND NUR113 AND NUR114 AND NUR211 AND NUR212
Type
Prerequisite

Course NUR213 - Complex Health Concepts requires NUR112 AND NUR113 AND NUR114 AND NUR211 AND NUR212

Requisite Condition Not Found

Additional Comments:
Course NUR213 - Complex Health Concepts requires the Course(s) NUR112 AND NUR113 AND NUR114 AND NUR211 AND NUR212 to be completed as a Prerequisite or taken in parallel as a Corequisite.

NUR214 - Nsg Transition Concepts

Overview

Subject code	Course Number
NUR	214

OST122 - Office Computations

Overview

Subject code	Course Number	Department(s)
OST	122	Office Administration Programs

Description
This course covers the keypad touch method using the electronic calculator (10-key) and mathematical functions used in office applications. Topics may include budgets, discounts, purchasing, inventory, and petty cash. Upon completion, students should be able to solve a wide variety of numerical problems commonly encountered in an office setting. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST134 - Text Entry & Formatting

Overview

Subject code	Course Number	Department(s)
OST	134	Office Administration Programs

Description

This course is designed to provide skills needed to increase speed, improve accuracy, and format documents. Topics include letters, memos, tables, and business reports. Upon completion, students should be able to produce documents and key timed writings at speeds commensurate with employability. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST136 - Word Processing

Overview

Subject code	Course Number	Department(s)
OST	136	Office Administration Programs

Description

This course is designed to introduce word processing concepts and applications. Topics include preparation of a variety of documents and mastery of specialized software functions. Upon completion, students should be able to work effectively in a computerized word processing environment. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST141 - Medical Office Terms I

Overview

Subject code
OST

Course Number
141

Department(s)
Office Administration Programs, Healthcare Programs

Description
This course uses a language-structure approach to present the terminology and vocabulary that will be encountered in medical office settings. Topics include word parts that relate to systemic components, conditions, pathology, and disorder remediation in approximately one-half of the systems of the human body. Upon completion, students should be able to relate words to systems, pluralize, define, pronounce, and construct sentences with the included terms. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST142 - Medical Office Terms II

Overview

Subject code
OST

Course Number
142

Department(s)
Office Administration Programs

Description
This course is a continuation of OST 141 and continues the study, using a language-structure approach, of medical office terminology and vocabulary. Topics include word parts that relate to systemic components, conditions, pathology, and disorder remediation in the remaining systems of the human body. Upon completion, students should be able to relate words to systems, pluralize, define, pronounce, and construct sentences with the included terms. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

State Prerequisites
Type
Completion Requirement

State Prerequistes

Complete ANY of the following Courses:

- MED121 - Medical Terminology I
- OST141 - Medical Office Terms I

Must take one of the prerequisites prior to enrollment

OST148 - Medical Coding Billing & Insurance

Overview

Subject code	Course Number	Department(s)
OST	148	Office Administration Programs, Healthcare Programs

Description

This course introduces fundamentals of medical insurance and billing. Emphasis is placed on the medical billing cycle to include third party payers, coding concepts, and form preparation. Upon completion, students should be able to explain the life cycle of and accurately complete a medical insurance claim. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST149 - Medical Legal Issues

Overview

Subject code	Course Number	Department(s)
OST	149	Office Administration Programs, Healthcare Programs

Description

This course introduces the complex legal, moral, and ethical issues involved in providing health-care services. Emphasis is placed on the legal requirements of medical practices; the relationship of physician, patient, and office personnel; professional liabilities; and medical practice liability. Upon completion, students should be able to demonstrate a working knowledge of current medical law and accepted ethical behavior. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST153 - Office Finance Solutions

Overview

Subject code
OST

Course Number
153

Department(s)
Office Administration Programs

Description
This course introduces basic bookkeeping concepts. Topics include entering data in accounts payable and receivable, keeping petty cash records, maintaining inventory, reconciling bank statements, running payroll, and generating simple financial reports. Upon completion, students should be able to demonstrate competence in the entry and manipulation of data to provide financial solutions for the office. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course OST153 - Office Finance Solutions requires CIS 110 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CIS110 - Introduction to Computers

Additional Comments:
Course OST153 - Office Finance Solutions requires the Course(s) CIS 110 to be completed as a Prerequisite.

Course OST153 - Office Finance Solutions requires CIS110 OR CIS111 OR OST137 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CIS110 - Introduction to Computers

Additional Comments:
Course OST153 - Office Finance Solutions requires the Course(s) CIS110 OR CIS111 OR OST137 to be completed as a Prerequisite.

Course OST153 - Office Finance Solutions requires CIS110 OR CIS111 OR OST137 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- CIS110 - Introduction to Computers

Additional Comments:
Course OST153 - Office Finance Solutions requires the Course(s) CIS110 OR CIS111 OR OST137 to be completed as a Prerequisite.

OST155 - Legal Terminology

Overview

Subject code	Course Number	Department(s)
OST	155	Office Administration Programs, Public Safety Training Programs

Description

This course covers the terminology appropriate to the legal profession. Topics include legal research, court systems, litigation, civil and criminal law, probate, real and personal property, contracts and leases, domestic relations, equity, and corporations. Upon completion, students should be able to spell, pronounce, define, and accurately use legal terms. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST164 - Office Editing

Overview

Subject code	Course Number	Department(s)
OST	164	Office Administration Programs

Description

This course provides a comprehensive study of editing skills needed in the workplace. Emphasis is placed on grammar, punctuation, sentence structure, proofreading, and editing. Upon completion, students should be able to use reference materials to compose and edit text. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST171 - Introduction to Virtual Office

Overview

Subject code
OST

Course Number
171

Description
This course introduces the skills and abilities, needed to conduct a variety of office, administration activities using the latest, technology. Students will learn the proper, etiquette of communicating electronically as well, as theunique procedures and logistics for, conducting business in the virtual office. Upon, completion, students will know the vocabulary of, the virtual office and will have a basic, understanding of modern technical communication, tools. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST184 - Office Information Management

Overview

Subject code
OST

Course Number
184

Department(s)
Office Administration Programs

Description
This course includes the creation, maintenance, protection, security, and disposition of records stored in a variety of media forms. Topics include alphabetic, geographic, subject, and numeric filing methods. Upon completion, students should be able to set up and maintain a records management system. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST233 - Office Publications

Overview

Subject code
OST

Course Number
233

Department(s)
Office Administration Programs

Description
This course provides entry-level skills in using, software with desktop publishing capabilities, Topics include principles of page layout, desktop, publishing terminology and applications, and legal, and ethical considerations of software use. Upon, completion, students should be able to design and, produce professional business documents and, publications. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course OST233 - Office Publications Design requires OST136 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- OST136 - Word Processing

Additional Comments:
Course OST233 - Office Publications Design requires the Course(s) OST136 to be completed as a Prerequisite.

OST236 - Advanced Word Processing

Overview

Subject code
OST

Course Number
236

Department(s)
Office Administration Programs

Description
This course develops proficiency in the utilization of advanced word processing functions. Emphasis is placed on advanced word processing features. Upon completion, students should be able to produce a variety of complex business documents. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course OST236 - Adv Word Processing requires OST136 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- OST136 - Word Processing

Additional Comments:
Course OST236 - Adv Word Processing requires the Course(s) OST136 to be completed as a Prerequisite.

OST243 - Medical Office Simulation

Overview

Subject code
OST

Course Number
243

Department(s)
Office Administration Programs, Healthcare Programs

Description
This course introduces medical systems used to process information in the automated office. Topics include traditional and electronic information resources, storing and retrieving information, and the billing cycle. Upon completion, students should be able to use the computer accurately to schedule, bill, update, and make corrections. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

No Requirements

OST271 - Office Web Technologies

Overview

Subject code
OST

Course Number
271

Description
This course provides a working knowledge of, software tools used in the virtual office, environment. Emphasis will be placed on using the, Internet for research, planning and decision, making by using various office software available, through application service providers. Upon, completion, students will be able to use current, and emerging technologies to solve problems and, complete projects in the virtual office, environment. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST272 - Virtual Office Capstone

Overview

Subject code
OST

Course Number
272

Description
This course is designed to be a capstone course, for the virtual office professional. Emphasis is, placed on developing a marketing strategy and, promotional mix for a virtual office business. , Upon completion, students will prepare a, professional portfolio and launch a functioning, website for their business. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course OST272 - Virtual Office Capstone requires OST171 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- OST171 - Introduction to Virtual Office

Additional Comments:
Course OST272 - Virtual Office Capstone requires the Course(s) OST171 to be completed as a Prerequisite.

OST284 - Emerging Technologies

Overview

Subject code
OST

Course Number
284

Description
This course provides opportunities to explore, emerging technologies. Emphasis is placed on, identifying, researching, and presenting current, technological topics for class consideration and, discussion. Upon completion, students should be, able to understand the importance of keeping, abreast of technological changes that affect the, office professional. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

OST286 - Professional Development

Overview

Subject code
OST

Course Number
286

Department(s)
Office Administration Programs

Description
This course covers the personal competencies and qualities needed to project a professional image in the office. Topics include interpersonal skills, health lifestyles, appearance, attitude, personal and professional growth, multicultural awareness, and professional etiquette. Upon completion, students should be able to demonstrate these attributes in the classroom, office, and society. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

OST289 - Office Administration Capstone

Overview

Subject code
OST

Course Number
289

Department(s)
Office Administration Programs

Description
This course is designed to be a capstone course for the office professional and provides a working knowledge of administrative office procedures. Emphasis is placed on written and oral communication skills, office software applications, office procedures, ethics, and professional development. Upon completion, students should be able to adapt in an office environment. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course OST289 - Office Admin Capstone requires OST164 be completed before enrolling.
Type
Prerequisite

PAD151 - Introduction to Public Administration

Overview

Subject code	Course Number	Department(s)
PAD	151	Public Safety Training Programs

Description

This course includes an overview of the role of the public administrator in government and an examination of the development and implementation of public policy. Topics include public personnel administration and management, decision making, public affairs, ethics, organizational theories, budgetary functions within governmental agencies, and other governmental issues. Upon completion, students should be able to explain the functions of government in society and in the lives of people composing that society. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PAD152 - Ethics in Government

Overview

Subject code	Course Number	Department(s)
PAD	152	Public Safety Training Programs

Description

This course introduces the ethical issues and problems within the public administration field. Emphasis is placed on building analytical skills, stimulating moral imagination, and recognizing the discretionary power of the administrator's role. Upon completion, students should be able to understand the moral dimensions of public administrative decision making. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PAD251 - Public Finance and Budgeting

Overview

Subject code	Course Number	Department(s)
PAD	251	Public Safety Training Programs

Description

This course provides an overview of the public finance and budgeting processes used in the allocation of public resources to meet differing public interests. Topics include the political environment, government expenditures, revenues, taxation, budgetary process theories and techniques, and the relation of government finance to the economy. Upon completion, students should be able to recognize impacts of government revenue and expenditure policies and understand the role of budgeting in executing governmental policy. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PAD252 - Public Policy Analysis

Overview

Subject code	Course Number	Department(s)
PAD	252	Public Safety Training Programs

Description

This course is a study of methods and techniques used to determine the effectiveness of public programs. Emphasis is placed on the concept of ecology and environmental impact, informal groups and information networks, and the relationship between public and private sectors. Upon completion, students should be able to analyze case studies with the use of political analysis techniques. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PAD254 - Grant Writing

Overview

Subject code	Course Number	Department(s)
PAD	254	Public Safety Training Programs

Description

This course covers the basic techniques of successful grant writing. Topics include concept development, funding sources research, and writing skills relevant to the grants process. Upon completion, students should be able to demonstrate a basic understanding of the grants process. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PED110 - Well for Life

Overview

Subject code	Course Number	Department(s)
PED	110	General Education

Description

This course is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal, lifelong fitness program based on individual needs, abilities, and interests. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

PED111 - Physical Fitness I

Overview

Subject code	Course Number	Department(s)
PED	111	General Education

Description

This course provides an individualized approach to physical fitness utilizing the five major components. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness programs. Upon completion, students should be able to set up and implement an individualized physical fitness program. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED117 - Weight Training I

Overview

Subject code	Course Number	Department(s)
PED	117	General Education

Description

This course introduces the basics of weight, training. Emphasis is placed on developing, muscular strength, muscular endurance, and muscle, tone. Upon completion, students should be able to, establish and implement a personal weight training, program. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED118 - Weight Training II

Overview

Subject code	Course Number	Department(s)
PED	118	General Education

Description

This course covers advanced levels of weight training. Emphasis is placed on meeting individual training goals and addressing weight training needs and interests. Upon completion, students should be able to establish and implement an individualized advanced weight training program. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED119 - Circuit Training

Overview

Subject code	Course Number	Department(s)
PED	119	General Education

Description

This course covers the skills necessary to participate in a developmental fitness program. Emphasis is placed on the circuit training method which involves a series of conditioning timed stations arranged for maximum benefit and variety. Upon completion, students should be able to understand and appreciate the role of circuit training as a means to develop fitness. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED120 - Walking for Fitness

Overview

Subject code	Course Number	Department(s)
PED	120	General Education

Description

This course introduces fitness through walking, Emphasis is placed on stretching, conditioning, exercises, proper clothing, fluid needs, and, injury prevention. Upon completion, students, should be able to participate in a recreational, walking program. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED121 - Walk, Jog, Run

Overview

Subject code	Course Number	Department(s)
PED	121	General Education

Description

This course covers the basic concepts involved in safely and effectively improving cardiovascular fitness. Emphasis is placed on walking, jogging, or running as a means of achieving fitness. Upon completion, students should be able to understand and appreciate the benefits derived from these activities. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED122 - Yoga I

Overview

Subject code	Course Number	Department(s)
PED	122	General Education

Description
This course introduces the basic discipline of yoga. Topics include proper breathing, relaxation techniques, and correct body positions. Upon completion, students should be able to demonstrate the procedures of yoga. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED123 - Yoga II

Overview

Subject code	Course Number	Department(s)
PED	123	General Education

Description
This course introduces more detailed aspects of, the discipline of yoga. Topics include breathing, and physical postures, relaxation, and mental, concentration. Upon completion, students should, be able to demonstrate advanced procedures of, yoga.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course PED123 - Yoga II requires PED122 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- PED122 - Yoga I

Additional Comments:
Course PED123 - Yoga II requires the Course(s) PED122 to be completed as a Prerequisite.

PED125 - Self-Defense: Beginning

Overview

Subject code	Course Number
PED	125

PED126 - Self-Defense: Intermediate

Overview

Subject code	Course Number
PED	126

PED217 - Pilates I

Overview

Subject code	Course Number	Department(s)
PED	217	General Education

Description

This course provides an introduction to the pilates method of body conditioning exercise. Topics include instruction in beginning and intermediate pilates exercises using a mat or equipment, history of pilates method, and relevant anatomy and physiology. Upon completion, students should be able to perform beginning and intermediate exercises, and possess an understanding of the benefits of conditioning the body's core muscles. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PED218 - Pilates II

Overview

Subject code	Course Number	Department(s)
PED	218	General Education

Description

This course provides continued instruction to the pilates method of body conditioning exercise. Topics include instruction in intermediate and advanced pilates exercises using a mat or equipment, relevant anatomy and physiology, and further discussion of related concepts. Upon completion, students should be able to perform intermediate and advanced exercises, and possess the autonomy to maintain their own personal pilates practice. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PHI210 - History of Philosophy

Overview

Subject code	Course Number	Department(s)
PHI	210	General Education

Description

This course introduces fundamental philosophical, issues through an historical perspective, Emphasis is placed on such figures as Plato, Aristotle, Lao-Tzu, Confucius, Augustine, Aquinas, Descartes, Locke, Kant, Wollstonecraft, Nietzsche, and Sartre. Upon completion, students should be, able to identify and distinguish among the key, positions of the philosophers studied. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course PHI210 - History of Philosophy requires ENG111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course PHI210 - History of Philosophy requires the Course(s) ENG111 to be completed as a Prerequisite.

PHI240 - Introduction to Ethics

Overview

Subject code	Course Number	Department(s)
PHI	240	General Education

Description

This course introduces theories about the nature and foundations of moral judgments and applications to contemporary moral issues. Emphasis is placed on moral theories such as consequentialism, deontology, and virtue ethics. Upon completion, students should be able to apply various ethical theories to moral issues such as abortion, capital punishment, poverty, war, terrorism, the treatment of animals, and issues arising from new technologies. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PHS130 - Earth Science

Overview

Subject code	Course Number	Department(s)
PHS	130	General Education

Description

This course is a survey of the forces that impact, the earth. Topics include geology, oceanography, and meteorology. Upon completion, students should, be able to explain and identify the forces within, on, and around the earth as they influence the, earth's dynamics. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

PHY110 - Conceptual Physics

Overview

Subject code	Course Number	Department(s)
PHY	110	General Education

Description

This course provides a conceptually-based exposure, to the fundamental principles and processes of the, physical world. Topics include basic concepts of, motion, forces, energy, heat, electricity, magnetism, and the structure of matter and the, universe. Upon completion, students should be, able to describe examples and applications of the, principles studied. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PHY110A - Conceptual Physics Lab

Overview

Subject code	Course Number	Department(s)
PHY	110A	General Education

Description

This course is a laboratory for PHY 110. Emphasis, is placed on laboratory experiences that enhance, materials presented in PHY 110. Upon completion, students should be able to apply the laboratory, experiences to the concepts presented in PHY 110. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course PHY110A - Conceptual Physics Lab requires PHY110
Type
Prerequisite

[object Object]

Additional Comments:
Course PHY110A - Conceptual Physics Lab requires the Course(s) PHY110 to be completed as a Prerequisite or taken in parallel as a Corequisite.

PHY131 - Physics-Mechanics

Overview

Subject code	Course Number	Department(s)
PHY	131	General Education

Description

This algebra/trigonometry-based course introduces, fundamental physical concepts as applied to, engineering technology fields. Topics include, systems of units, problem-solving methods, graphical analysis, vectors, motion, forces, Newton's laws of motion, work, energy, power, momentum, and properties of matter. Upon, completion, students should be able to apply the, principles studied to applications in engineering, technology fields. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course PHY131 - Physics-Mechanics requires MAT 171 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra

Additional Comments:
Course PHY131 - Physics-Mechanics requires the Course(s) MAT 171 to be completed as a Prerequisite.

Course PHY131 - Physics-Mechanics requires MAT121 or MAT171 be completed before enrolling.

Type
Prerequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra

Additional Comments:
Course PHY131 - Physics-Mechanics requires the Course(s) MAT121 or MAT171 to be completed as a Prerequisite.

Course PHY131 - Physics-Mechanics requires MAT121 OR MAT171 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra

Additional Comments:
Course PHY131 - Physics-Mechanics requires the Course(s) MAT121 OR MAT171 to be completed as a Prerequisite.

PHY132 - Physics-Electricity and Magnetism

Overview

Subject code	Course Number	Department(s)
PHY	132	General Education

Description
This algebra/trigonometry-based course is a study of fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, waves, electricity, magnetism, circuits, transformers, motors, and generators. Upon completion, students should be able to apply the principles studied to applications in engineering technology fields. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

PHY151 - College Physics I

Overview

Subject code	Course Number	Department(s)
PHY	151	General Education

Description

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vectors, linear kinematics and dynamics, energy, power, momentum, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course PHY151 - College Physics I requires MAT171 OR MAT271 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra
  OR MAT271 - Calculus I

Additional Comments:
Course PHY151 - College Physics I requires the Course(s) MAT171 OR MAT271 to be completed as a Prerequisite.

PHY152 - College Physics II

Overview

Subject code	Course Number	Department(s)
PHY	152	General Education

Description

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course PHY152 - College Physics II requires PHY151 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- PHY151 - College Physics I

Additional Comments:
Course PHY152 - College Physics II requires the Course(s) PHY151 to be completed as a Prerequisite.

PHY251 - General Physics I

Overview

Subject code	Course Number	Department(s)
PHY	251	General Education

Description

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course PHY251 - General Physics I requires MAT271 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- MAT271 - Calculus I

Additional Comments:
Course PHY251 - General Physics I requires the Course(s) MAT271 to be completed as a Prerequisite.

Course PHY251 - General Physics I requires MAT272
Type
Prerequisite

Course PHY251 - General Physics I requires MAT272

Requisite Condition Not Found

Additional Comments:
Course PHY251 - General Physics I requires the Course(s) MAT272 to be completed as a Prerequisite or taken in parallel as a Corequisite.

PHY252 - General Physics II

Overview

Subject code	Course Number	Department(s)
PHY	252	General Education

Description

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course PHY252 - General Physics II requires MAT272 and PHY251 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- MAT272 - Calculus II
  AND PHY251 - General Physics I

Additional Comments:

Course PHY252 - General Physics II requires the Course(s) MAT272 and PHY251 to be completed as a Prerequisite.

PLA110 - Introduction to Plastics

Overview

Subject code	Course Number	Department(s)
PLA	110	Engineering Programs

Description

This course introduces the plastics processing industry, including thermoplastics and thermosets. Emphasis is placed on the description, classification, and properties of common plastics and processes and current trends in the industry. Upon completion, students should be able to describe the differences between thermoplastics and thermosets and recognize the basics of the different plastic processes. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

PLA162 - Plastics Manuf Processes

Overview

Subject code	Course Number	Department(s)
PLA	162	Engineering Programs

Description

This course covers manufacturing processes including machining, sawing, routing, milling, drilling, taping, turning, thermoforming, molding, extrusion, laminating, reinforcing, expansion, casting, coasting, assembly, and finishing. Emphasis is placed on the process and equipment requirements, special operational concerns, setup, operation, tooling, capability limitations, maintenance, and safety. Upon completion, students should be able to select the correct process for the material required and discuss machine operation, setup, tooling, safety, and scrap recycling. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

POL120 - American Government

Overview

Subject code	Course Number	Department(s)
POL	120	Public Safety Training Programs

Description

This course is a study of the origins, development, structure, and functions of American government. Topics include the constitutional framework, federalism, the three branches of government including the bureaucracy, civil rights and liberties, political participation and behavior, and policy process. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

POL130 - State & Local Government

Overview

Subject code	Course Number	Department(s)
POL	130	Public Safety Training Programs

Description

This course includes state and local political institutions and practices in the context of American federalism. Emphasis is placed on procedural and policy differences as well as political issues in state, regional, and local governments of North Carolina. Upon completion, students should be able to identify and discuss various problems associated with intergovernmental politics and their effect on the community and the individual. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PST120 - NCDPS Correctional Officer Training

Overview

Subject code	Course Number	Department(s)
PST	120	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 160-hour Basic Correctional Officer training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state correctional officer with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *160 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

6

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

8

PST123 - NC Sheriff's Telecom Training

Overview

Subject code	Course Number	Department(s)
PST	123	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 47-hour Telecommunicator Certification Course regulated by the NC Sheriffs' Education and Training Standards Commission. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *47 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

PST124 - NC Sheriff's Detention Officer Training

Overview

Subject code	Course Number	Department(s)
PST	124	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 174-hour Detention Officer Certification Course regulated by the NC Sheriffs' Education and Training Standards Commission and required for certification as a detention officer. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *174 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

6

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

8

PST125 - NC Basic Juvenile Justice Officer Train

Overview

Subject code	Course Number	Department(s)
PST	125	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. This prior learning source is the 160-hour Basic Juvenile Justice Officer training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state juvenile justice officer with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *160 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

PST126 - NC Basic Juvenile Justice Counsel Train

Overview

Subject code	Course Number	Department(s)
PST	126	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. This prior learning source is the 162-hour Basic Juvenile Court Counselor training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state juvenile court counselor with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *162 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

PST127 - NC Basic Probation Officer Training

Overview

Subject code	Course Number	Department(s)
PST	127	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 216-hour Basic Probation Officer training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state correctional officer with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *216 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

6

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

9

PST151 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	151	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *16 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PST152 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	152	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *48 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

PST153 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	153	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *80 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PST154 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	154	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *128 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

PST155 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	155	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *176 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

PST156 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	156	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *224 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

PST157 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	157	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *272 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

15

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

PST158 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	158	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *320 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

18

Clinic Hours

0

Work Exp Hours

0

Credit Hours

8

PST159 - NC Justice Academy Training

Overview

Subject code	Course Number	Department(s)
PST	159	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *368 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

21

Clinic Hours

0

Work Exp Hours

0

Credit Hours

9

PST161 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	161	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *16 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PST162 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	162	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *48 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

PST163 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	163	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *80 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PST164 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	164	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *128 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

PST165 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	165	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *176 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

PST166 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	166	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *224 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

PST167 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	167	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *272 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

15

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

PST168 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	168	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Departmentof Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *320 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

18

Clinic Hours

0

Work Exp Hours

0

Credit Hours

8

PST169 - NC OSFM Training

Overview

Subject code	Course Number	Department(s)
PST	169	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file. *368 Hours Minimum Documented Training Required.

Credits

Class Hours

2

Lab Hours

21

Clinic Hours

0

Work Exp Hours

0

Credit Hours

9

PST171 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	171	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *16 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PST172 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	172	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *48 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

PST173 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	173	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *80 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PST174 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	174	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *128 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

PST175 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	175	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *176 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

PST176 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	176	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *224 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

12

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

PST177 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	177	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *272 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

15

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

PST178 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	178	Public Safety Training Programs

Description

TThis course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *320 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

18

Clinic Hours

0

Work Exp Hours

0

Credit Hours

8

PST179 - NCCCS Public Safety Training

Overview

Subject code	Course Number	Department(s)
PST	179	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file. *368 Hours Minimum Documented Training Required.

Credits

Class Hours

2

Lab Hours

21

Clinic Hours

0

Work Exp Hours

0

Credit Hours

9

PST181 - NCDPS Unarmed Security Guard Train

Overview

Subject code	Course Number	Department(s)
PST	181	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. This prior learning source is Unarmed Security Guard training regulated by NCDPS Private Protection Services. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *16 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

PST182 - NCDPS Armed Security Officer Inst Train

Overview

Subject code	Course Number	Department(s)
PST	182	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is Armed Security Officer Training Firearms regulated by NCDPS Private Protection Services. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *40 Hours Minimum Documented Training Required. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

PST189 - NCDOJ Professional Certification Program

Overview

Subject code	Course Number	Department(s)
PST	189	Public Safety Training Programs

Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the Professional Certificate program regulated by NCDOJ. A certificate of completion and associated transcript for the program must be provided and retained on file. Some online sections may require proctored exams.

Credits

Class Hours

9

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

9

PSY141 - Psychology of Death and Dying

Overview

Subject code	Course Number	Department(s)
PSY	141	General Education

Description

This course presents psychological perspectives on death and dying. Topics include the culturally diverse aspects of death and the grieving process, adjustment mechanisms, interventions, and the psychological and ethical dimensions of death and dying. Upon completion, students should be able to demonstrate an understanding of the psychosocial aspects of death and dying. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PSY150 - General Psychology

Overview

Subject code	Course Number	Department(s)
PSY	150	General Education

Description

This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PSY231 - Forensic Psychology

Overview

Subject code	Course Number	Department(s)
PSY	231	General Education

Description

This course introduces students to concepts which unite psychology and the legal system. Topics include defining competency, insanity, involuntary commitment, as well as introducing forensic assessment techniques, such as interviewing process, specialized assessments, and collecting collateral information. Upon completion, students should be able to demonstrate knowledge in areas of forensic psychology: risk assessment, criminal competencies, insanity, psychopathology, and mentally disordered offenders. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PSY237 - Social Psychology

Overview

Subject code	Course Number	Department(s)
PSY	237	General Education

Description

This course introduces the study of individual behavior within social contexts. Topics include affiliation, attitude formation and change, conformity, altruism, aggression, attribution, interpersonal attraction, and group behavior. Upon completion, students should be able to demonstrate an understanding of the basic principles of social influences on behavior. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PSY241 - Developmental Psychology

Overview

Subject code	Course Number	Department(s)
PSY	241	General Education

Description

This course is a study of human growth and development. Emphasis is placed on major theories and perspectives as they relate to the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PSY271 - Sports Psychology

Overview

Subject code	Course Number	Department(s)
PSY	271	General Education

Description

This course provides an overview of the field of sports and exercise psychology. Topics include concentration, goal setting, arousal level, exercise psychology, mental imagery, confidence, and other issues related to sport and exercise performance. Upon completion, students should be able to demonstrate a knowledge of psychological factors involved in sport and exercise. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

PSY281 - Abnormal Psychology

Overview

Subject code	Course Number	Department(s)
PSY	281	General Education

Description

This course provides an examination of the various psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course PSY281 - Abnormal Psychology requires PSY150 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- PSY150 - General Psychology

Additional Comments:

Course PSY281 - Abnormal Psychology requires the Course(s) PSY150 to be completed as a Prerequisite.

RCP110 - Intro to Respiratory Care

Overview

Subject code	Course Number	Department(s)
RCP	110	Healthcare Programs

Description

This course introduces the role of the respiratory care practitioner within interprofessional teams and interacting with diverse populations. Topics include medical gas administration, basic patient assessment, infection control, and medical terminology using proper written and oral communication methods to prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

RCP111 - Therapeutics/Diagnostics

Overview

Subject code	Course Number	Department(s)
RCP	111	Healthcare Programs

Description

This course provides emphasis on therapeutic and diagnostic procedures. Topics include applying problem solving strategies in the patient care setting, applying ethical principles in decision making, and practicing professional responsibilities, which will prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations

Credits

Class Hours

4

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Pre-Requisite
Type
Completion Requirement

Complete ALL of the following Courses:

- RCP110 - Intro to Respiratory Care

RCP112 - Patient Management

Overview

Subject code	Course Number	Department(s)
RCP	112	Healthcare Programs

Description

This course provides entry-level skills in respiratory care procedures in acute and non-acute care settings. Emphasis is placed on therapeutic modalities and physiological effects, monitoring mechanical ventilation, and problem-solving strategies based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Pre-Requisite
Type
Completion Requirement

Complete ALL of the following Courses:

- RCP111 - Therapeutics/Diagnostics

RCP113 - RCP Pharmacology

Overview

Subject code	Course Number
RCP	113

Description

This course covers the drugs used in the treatment of cardiopulmonary diseases. Emphasis is placed on the uses, actions, indications, administration, and hazards of pharmacological agents. Upon completion, students should be able to demonstrate competence though written evaluations.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

RCP114 - C-P Anatomy & Physiology

Overview

Subject code	Course Number	Department(s)
RCP	114	Healthcare Programs

Description

This course provides a concentrated study of cardiopulmonary anatomy and physiology essential to the practice of respiratory care. Emphasis is placed on cardiovascular and pulmonary physiology, acid/base balance, and blood gas interpretation. Upon completion, students should be able to demonstrate competence in these concepts through written evaluation.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

RCP115 - C-P Pathophysiology

Overview

Subject code	Course Number	Department(s)
RCP	115	Healthcare Programs

Description

This course introduces the etiology, pathophysiology, clinical signs and symptoms, diagnoses, prognoses, complications, and management of cardiopulmonary diseases. Emphasis is placed on developing, evaluating, and modifying respiratory care plans based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in cardio-pulmonary disease concepts through written evaluations.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

RCP115 - C-P Pathophysiology

Overview

Subject code	Course Number	Department(s)
RCP	115	Healthcare Programs

Description

This course introduces the etiology, pathophysiology, clinical signs and symptoms, diagnoses, prognoses, complications, and management of cardiopulmonary diseases. Emphasis is placed on developing, evaluating, and modifying respiratory care plans based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in cardio-pulmonary disease concepts through written evaluations.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

RCP122 - Special Practice Lab

Overview

Subject code	Course Number	Department(s)
RCP	122	Healthcare Programs

Description

This course provides additional laboratory learning opportunities in respiratory care. Emphasis is placed on therapeutic procedures and equipment management. Upon completion, students should be able to demonstrate competence in concepts and procedures through laboratory evaluations.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

RCP123 - Special Practice Lab

Overview

Subject code	Course Number	Department(s)
RCP	123	Healthcare Programs

Description

This course provides additional laboratory learning opportunities in respiratory care. Emphasis is placed on therapeutic procedures and equipment management. Upon completion, students should be able to demonstrate competence in concepts and procedures through laboratory evaluations.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

RCP132 - RCP Clinical Practice I

Overview

Subject code	Course Number	Department(s)
RCP	132	Healthcare Programs

Description

This course provides entry-level clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Co Requisite
Type
Completion Requirement

Complete ALL of the following Courses:

- RCP110 - Intro to Respiratory Care

RCP143 - RCP Clinical Practice II

Overview

Subject code	Course Number	Department(s)
RCP	143	Healthcare Programs

Description

This course provides entry-level clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

9

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Pre-Requisite
Type
Completion Requirement

Complete ALL of the following Courses:
- RCP110 - Intro to Respiratory Care

Co-requisite
Type
Completion Requirement

Complete ALL of the following Courses:
- RCP111 - Therapeutics/Diagnostics

RCP154 - RCP Clinical Practice III

Overview

Subject code	Course Number	Department(s)
RCP	154	Healthcare Programs

Description

This course provides entry-level clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

12

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Pre-requisite
Type
Completion Requirement

Complete ALL of the following Courses:
- RCP111 - Therapeutics/Diagnostics

RCP210 - Critical Care Concepts

Overview

Subject code	Course Number
RCP	210

Description

This course provides further refinement of acute patient care and underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, assessment underlying pathophysiology, and introduction of critical care monitoring. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written, laboratory and/or clinical simulation evaluations.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

RCP211 - Adv Monitoring & Procedures

Overview

Subject code	Course Number	Department(s)
RCP	211	Healthcare Programs

Description

This course includes advanced information gathering and decision making for the respiratory care professional using evidence-based respiratory care protocols. Topics include advanced cardiac monitoring, special procedures, respiratory care protocols, and disease management. Upon completion, students should be able to assess, recommend, and independently modify respiratory care protocols through written, laboratory and/or clinical simulation evaluations.

Credits

Class Hours

3

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Pre-requisite
Type
Completion Requirement

Complete ALL of the following Courses:

- RCP210 - Critical Care Concepts

RCP213 - Neonatal/Ped's Concepts

Overview

Subject code	Course Number	Department(s)
RCP	213	Healthcare Programs

Description

This course provides comprehensive coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on pathophysiology, patient assessment and special therapeutic needs of neonates and children based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in the neonatal and pediatric respiratory care concepts through written evaluations.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Pre-requisite
Type
Completion Requirement

Complete ALL of the following Courses:

- RCP111 - Therapeutics/Diagnostics

RCP215 - Career Preparation

Overview

Subject code	Course Number	Department(s)
RCP	215	Healthcare Programs

Description

This course provides an overview of respiratory therapy concepts in preparation for credentialing exam. Emphasis is placed on registry preparation. Upon completion, students should be able to demonstrate a comprehensive knowledge of respiratory therapy and be prepared for successful completion of the credentialing process.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

RCP222 - Special Practice Lab

Overview

Subject code	Course Number	Department(s)
RCP	222	Healthcare Programs

Description

This course provides additional laboratory learning opportunities in respiratory care. Emphasis is placed on therapeutic procedures and equipment management. Upon completion, students should be able to demonstrate competence in concepts and procedures through laboratory evaluations.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

RCP234 - RCP Clinical Practice IV

Overview

Subject code	Course Number	Department(s)
RCP	234	Healthcare Programs

Description

This course provides advanced practitioner clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

12

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Pre-requisite

Type

Completion Requirement

Complete ALL of the following Courses:

- RCP111 - Therapeutics/Diagnostics

Co-requisite

Enroll in the following Courses:

- RCP210 - Critical Care Concepts

RCP243 - RCP Clinical Practice V

Overview

Subject code	Course Number	Department(s)
RCP	243	Healthcare Programs

Description

This course provides advanced practitioner clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

9

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Requisites
Type
Completion Requirement

Pre-requisite

Complete ALL of the following Courses:

- RCP210 - Critical Care Concepts

Co-requisite

Complete ALL of the following Courses:

- RCP211 - Adv Monitoring & Procedures

RCP245 - RCP Clinical Practice V

Overview

Subject code	Course Number	Department(s)
RCP	245	Healthcare Programs

Description

This course provides advanced practitioner clinical experience. Emphasis is placed on
therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate
clinical competence in required performance evaluations.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

15

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Requisites
Type
Completion Requirement

Pre-requisite

Complete ALL of the following Courses:

- RCP210 - Critical Care Concepts

Co-Requisite

Complete ALL of the following Courses:

- RCP211 - Adv Monitoring & Procedures

REL110 - World Religions

Overview

Subject code	Course Number	Department(s)
REL	110	General Education

Description

This course introduces the world's major religious traditions. Topics include Primal religions, Hinduism, Buddhism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

REL211 - Introduction to Old Testament

Overview

Subject code	Course Number	Department(s)
REL	211	General Education

Description

This course is a survey of the literature of the Hebrews with readings from the law, prophets, and other writings. Emphasis is placed on the use of literary, historical, archeological, and cultural analysis. Upon completion, students should be able to use the tools of critical analysis to read and understand Old Testament literature. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

REL212 - Introduction to New Testament

Overview

Subject code	Course Number	Department(s)
REL	212	General Education

Description

This course is a survey of the literature of first-century Christianity with readings from the gospels, Acts, and the Pauline and pastoral letters. Topics include the literary structure, audience, and religious perspective of the writings, as well as the historical and cultural context of the early Christian community. Upon completion, students should be able to use the tools of critical analysis to read and understand New Testament literature. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

REL221 - Religion in America

Overview

Subject code	Course Number	Department(s)
REL	221	General Education

Description

This course is an examination of religious beliefs, and practice in the United States. Emphasis is, placed on mainstream religious traditions and, non-traditional religious movements from the, Colonial period to the present. Upon completion, students should be able to recognize and, appreciate the diversity of religious traditions, in America. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SAB110 - Substance Abuse Overview

Overview

Subject code	Course Number	Department(s)
SAB	110	Social and Human Services Programs

Description

This course provides an overview of the core concepts in substance abuse and dependence. Topics include the history of drug use/abuse, effects on societal members, treatment of addiction, and preventive measures. Upon completion, students should be able to demonstrate knowledge of the etiology of drug abuse, addiction, prevention, and treatment. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SAB120 - Intake and Assessment

Overview

Subject code	Course Number	Department(s)
SAB	120	Social and Human Services Programs

Description

This course develops processes for establishment of client rapport, elicitation of client information on which therapeutic activities are based, and stimulation of client introspection. Topics include diagnostic criteria, functions of counseling, nonverbal behavior, collaterals and significant others, dual diagnosis, client strengths and weakness, uncooperative clients, and crisis interventions. Upon completion, students should be able to establish communication with clients, recognize disorders, obtain information for counseling, and terminate the counseling process. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SAB125 - Substance Abuse Case Management

Overview

Subject code	Course Number	Department(s)
SAB	125	Social and Human Services Programs

Description

This course provides case management activities, including record keeping, recovery issues, community resources, and continuum of care. Emphasis is placed on establishing a systematic approach to monitor the treatment plan and maintain quality of life. Upon completion, students should be able to assist clients in the continuum of care as an ongoing recovery process and develop agency networking. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SAB135 - Addictive Process

Overview

Subject code	Course Number	Department(s)
SAB	135	Social and Human Services Programs

Description

This course explores the physical, emotional, psychological, and cultural aspects of the addictive process. Emphasis is placed on addictions to food, sex, alcohol, drugs, work, gambling, and relationships. Upon completion, students should be able to identify the effects, prevention strategies, and treatment methods associated with addictive disorders. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SAB240 - Substance Abuse Issues in Client Service

Overview

Subject code	Course Number	Department(s)
SAB	240	Social and Human Services Programs

Description

This course introduces systems of professional standards, values, and issues in substance abuse counseling. Topics include confidentiality, assessment of personal values, professional responsibilities, competencies, and ethics relative to multicultural counseling and research. Upon completion, students should be able to understand and discuss multiple ethical issues applicable to counseling and apply various decision-making models to current issues. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SEC110 - Security Concepts

Overview

Subject code	Course Number	Department(s)
SEC	110	Public Safety Training Programs

Description

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security. Upon completion, students should be able to identify information security risks, create an information security policy, and identify processes to implement and enforce policy. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SEC150 - Secure Communications

Overview

Subject code	Course Number	Department(s)
SEC	150	Public Safety Training Programs

Description

This course provides an overview of current technologies used to provide secure transport of information across networks. Topics include data integrity through encryption, Virtual Private Networks, SSL, SSH, and IPSec. Upon completion, students should be able to implement secure data transmission technologies. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SEC160 - Security Administration I

Overview

Subject code	Course Number	Department(s)
SEC	160	Public Safety Training Programs

Description

This course provides an overview of security administration and fundamentals of designing security architectures. Topics include networking technologies, TCP/IP concepts, protocols, network traffic analysis, monitoring, and security best practices. Upon completion, students should be able to identify normal network traffic using network analysis tools and design basic security defenses. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SGD111 - Introduction to SGD

Overview

Subject code	Course Number	Department(s)
SGD	111	rBVcRXWT63QaziacNJvg

Description

This course provides students with an introduction, to simulation and game development. Topics, include setting, storytelling, narrative, character design, interface design, game play, internal economy, core mechanics, game genres, AI, the psychology of game design and professionalism, Upon completion, students should be able to, demonstrate knowledge of the major aspects of, simulation and game design and development.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SGD112 - SGD Design

Overview

Subject code	Course Number	Department(s)
SGD	112	Information Technology Programs

Description

This course introduces the fundamentals of, simulation and game design. Topics include, industry standards and design elements for, simulation and games. Upon completion, students, should be able to design simple simulations and/or, games. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SGD165 - SG Character Development

Overview

Subject code	Course Number
SGD	165

Description
This course introduces the concepts needed to, create fictional personality for use in digital, videos, animations, simulations and games. Topics, include aspects of character, developing, backgrounds, mannerisms and voice. Upon, completion, students should be able to develop, characters and backgrounds for simulations and, games.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SGD165 - SG Character Development recommends complteion of SGD214 AND SGD237 AND SGD244
Type
Completion Requirement

Course SGD165 - SG Character Development recommends complteion of SGD214 AND SGD237 AND SGD244

Requisite Condition Not Found

Additional Comments:
Course SGD165 - SG Character Development recommends the completion of Course(s) SGD214 AND SGD237 AND SGD244 before enrolling.

SGD168 - Mobile SG Programming I

Overview

Subject code	Course Number	Department(s)
SGD	168	rBVcRXWT63QaziacNJvg

Description
This course introduces the mobile simulation and, game programming process. Topics include mobile, simulation/game programming, performance tuning, animation, sound effects, music, and mobile, networks. Upon completion, students should be, able to apply simulation/game programming, concepts to the creation of mobile simulations, and games.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SGD168 - Mobile SG Programming I recommends complteion of SGD213 AND SGD285
Type
Completion Requirement

Course SGD168 - Mobile SG Programming I recommends complteion of SGD213 AND SGD285

Requisite Condition Not Found

Additional Comments:
Course SGD168 - Mobile SG Programming I recommends the completion of Course(s) SGD213 AND SGD285 before enrolling.

SGD172 - Virtual SG Environments

Overview

Subject code
SGD

Course Number
172

Description
This course covers the use of virtual reality, tools and techniques in simulation and game, development. Emphasis is placed on acquiring the, skills necessary to create scalable virtual, characters and environments for use in simulations, and games. Upon completion, students should be, able to create a simple game or simulation in a, virtual environment.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SGD172 - Virtual SG Environments recommends complteion of SGD244
Type
Completion Requirement

Course SGD172 - Virtual SG Environments recommends complteion of SGD244

Requisite Condition Not Found

Additional Comments:
Course SGD172 - Virtual SG Environments recommends the completion of Course(s) SGD244 before enrolling.

SGD274 - SG Level Design II

Overview

Subject code
SGD

Course Number
274

Description
This course introduces the advanced tools used to, create levels for real-time simulations and games, Topics include advanced level guide and, architecture theory, concepts related to "critical, path" and "flow," game balancing, playtesting and, storytelling. Upon completion, students should be, able to design complex levels using industry, standard tools.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SGD274 - SG Level Design II requires SGD174 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course SGD274 - SG Level Design II requires the Course(s) SGD174 to be completed as a Prerequisite.

Course SGD274 - SG Level Design II recommends complteion of SGD212 AND SGD213
Type
Completion Requirement

Course SGD274 - SG Level Design II recommends complteion of SGD212 AND SGD213

Requisite Condition Not Found

Additional Comments:
Course SGD274 - SG Level Design II recommends the completion of Course(s) SGD212 AND SGD213 before enrolling.

SGD288 - SGD Portfolio Design

Overview

Subject code
SGD

Course Number
288

Description
This course covers the organization and, presentation of a simulation and game design, portfolio and appropriate related materials, Emphasis is placed on development and evaluation, of the portfolio, design and production of a, resume and self-promotional materials, and, interview techniques. Upon completion, students, should be able to prepare and professionally, present an effective portfolio and related, self-promotional materials.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course SGD288 - SGD Portfolio Design requires SGD289
Type
Prerequisite

[object Object]

Additional Comments:
Course SGD288 - SGD Portfolio Design requires the Course(s) SGD289 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SOC110 - Introduction to Sociology

Overview

Subject code	Course Number	Department(s)
SOC	110	Social and Human Services Programs, General Education

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SOC210 - Introduction to Sociology

Overview

Subject code	Course Number	Department(s)
SOC	210	Social and Human Services Programs, General Education

Description

This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SOC213 - Sociology of the Family

Overview

Subject code	Course Number	Department(s)
SOC	213	Social and Human Services Programs, General Education

Description

This course covers the institution of the family and other intimate relationships. Emphasis is placed on mate selection, gender roles, sexuality, communication, power and conflict, parenthood, diverse lifestyles, divorce and remarriage, and economic issues. Upon completion, students should be able to analyze the family as a social institution and the social forces which influence its development and change. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SOC220 - Social Problems

Overview

Subject code	Course Number	Department(s)
SOC	220	Social and Human Services Programs, General Education

Description

This course provides an in-depth study of current social problems. Emphasis is placed on causes, consequences, and possible solutions to problems associated with families, schools, workplaces, communities, and the environment. Upon completion, students should be able to recognize, define, analyze, and propose solutions to these problems. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SOC225 - Social Diversity

Overview

Subject code	Course Number	Department(s)
SOC	225	Social and Human Services Programs, General Education

Description

This course provides a comparison of diverse roles, interests, opportunities, contributions, and experiences in social life. Topics include race, ethnicity, gender, sexual orientation, class, and religion. Upon completion, students should be able to analyze how cultural and ethnic differences evolve and how they affect personality development, values, and tolerance. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SPA110 - Introduction to Spanish

Overview

Subject code	Course Number
SPA	110

Description

This course provides an introduction to, understanding, speaking, reading, and writing, Spanish. Emphasis is placed on pronunciation, parts of speech, communicative phrases, culture, and skills for language acquisition. Upon, completion, students should be able to identify, and apply basic grammar concepts, display cultural, awareness, and communicate in simple phrases in, Spanish. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

SPA111 - Elementary Spanish I

Overview

Subject code	Course Number	Department(s)
SPA	111	General Education

Description

This course introduces the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SPA111 - Elementary Spanish I requires SPA181
Type
Prerequisite

[object Object]

Additional Comments:
Course SPA111 - Elementary Spanish I requires the Course(s) SPA181 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SPA112 - Elementary Spanish II

Overview

Subject code	Course Number	Department(s)
SPA	112	General Education

Description

This course is a continuation of SPA 111 focusing on the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate further cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SPA112 - Elementary Spanish II requires SPA111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SPA111 - Elementary Spanish I

Additional Comments:
Course SPA112 - Elementary Spanish II requires the Course(s) SPA111 to be completed as a Prerequisite.

Course SPA112 - Elementary Spanish II requires SPA182
Type
Prerequisite

Course SPA112 - Elementary Spanish II requires SPA182

Requisite Condition Not Found

Additional Comments:
Course SPA112 - Elementary Spanish II requires the Course(s) SPA182 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SPA120 - Spanish for the Workplace

Overview

Subject code	Course Number
SPA	120

Description
This course offers applied Spanish for the, workplace to facilitate basic communication with, people whose native language is Spanish. Emphasis, is placed on oral communication and, career-specific vocabulary that targets health, business, and/or public service professions. Upon, completion, students should be able to communicate, at a functional level with native speakers and, demonstrate cultural sensitivity. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SPA141 - Culture and Civilization

Overview

Subject code	Course Number	Department(s)
SPA	141	General Education

Description
This course provides an opportunity to explore, issues related to the Hispanic world. Topics, include historical and current events, geography, and customs. Upon completion, students should be, able to identify and discuss selected topics and, cultural differences related to the Hispanic, world. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SPA161 - Cultural Immersion

Overview

Subject code	Course Number	Department(s)
SPA	161	General Education

Description

This course explores Hispanic culture through, intensive study on campus and field experience in, a host country or comparable area within the, United States. Topics include an overview of, linguistic, historical, geographical, sociopolitical, economic, and/or artistic concerns, of the area visited. Upon completion, students, should be able to exhibit first-hand knowledge of, issues pertinent to the host area and demonstrate, understanding of cultural differences. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SPA161 - Cultural Immersion requires SPA111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- SPA111 - Elementary Spanish I

Additional Comments:
Course SPA161 - Cultural Immersion requires the Course(s) SPA111 to be completed as a Prerequisite.

SPA181 - Spanish Lab 1

Overview

Subject code	Course Number	Department(s)
SPA	181	General Education

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

SPA182 - Spanish Lab 2

Overview

Subject code	Course Number	Department(s)
SPA	182	General Education

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate cultural awareness. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course SPA182 - Spanish Lab 2 requires SPA111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SPA111 - Elementary Spanish I

Additional Comments:
Course SPA182 - Spanish Lab 2 requires the Course(s) SPA111 to be completed as a Prerequisite.

SPA211 - Intermediate Spanish I

Overview

Subject code	Course Number	Department(s)
SPA	211	General Education

Description

This course provides a review and expansion of the, essential skills of the Spanish language, Emphasis is placed on the study of authentic and, representative literary and cultural texts. Upon, completion, students should be able to communicate, effectively, accurately, and creatively about the, past, present, and future. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SPA211 - Intermediate Spanish I requires SPA112 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SPA112 - Elementary Spanish II

Additional Comments:
Course SPA211 - Intermediate Spanish I requires the Course(s) SPA112 to be completed as a Prerequisite.

SPA212 - Intermediate Spanish II

Overview

Subject code	Course Number	Department(s)
SPA	212	General Education

Description

This course provides a continuation of SPA 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SPA215 - Spanish Phonetics/Structure

Overview

Subject code	Course Number
SPA	215

Description

This course is designed to improve the, understanding of Spanish phonetics and the, structure of the Spanish language. Topics include, the structure of the Spanish language, phonology, morphology, and syntax. Upon completion, students, should have an understanding of the phonetics and, structure of the Spanish language and be able to, contrast the structure of the Spanish and English, languages. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SPA221 - Spanish Conversation

Overview

Subject code
SPA

Course Number
221

Description
This course provides an opportunity for intensive, communication in spoken Spanish. Emphasis is, placed on vocabulary acquisition and interactive, communication through the discussion of media, materials and authentic texts. Upon completion, students should be able to discuss selected, topics, express ideas and opinions clearly, and, engage in formal and informal conversations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SPA221 - Spanish Conversation requires SPA212 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course SPA221 - Spanish Conversation requires the Course(s) SPA212 to be completed as a Prerequisite.

SPA231 - Reading and Composition

Overview

Subject code
SPA

Course Number
231

Description
This course provides an opportunity for intensive, reading and composition in Spanish. Emphasis is, placed on the use of literary and cultural, materials to enhance and expand reading and, writing skills. Upon completion, students should, be able to demonstrate in writing an in-depth, understanding of assigned readings. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SPA231 - Reading and Composition requires SPA212 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

Additional Comments:
Course SPA231 - Reading and Composition requires the Course(s) SPA212 to be completed as a Prerequisite.

SPA281 - Spanish Lab 3

Overview

Subject code	Course Number	Department(s)
SPA	281	General Education

Description

This course provides an opportunity to enhance the, review and expansion of the essential skills of, the Spanish language. Emphasis is placed on the, study of authentic and representative literary and, cultural texts through the use of various, supplementary learning media and materials. Upon, completion, students should be able to communicate, effectively, accurately, and creatively about the, past, present, and future. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course SPA281 - Spanish Lab 3 requires SPA182 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SPA182 - Spanish Lab 2

Additional Comments:
Course SPA281 - Spanish Lab 3 requires the Course(s) SPA182 to be completed as a Prerequisite.

SPA282 - Spanish Lab 4

Overview

Subject code	Course Number	Department(s)
SPA	282	General Education

Description

This course provides an opportunity to enhance the, review and expansion of the essential skills of, the Spanish language. Emphasis is placed on the, continuing study of authentic and representative, literary and cultural texts through the use of, various supplementary learning media and, materials. Upon completion, students should be, able to communicate spontaneously and accurately, with increasing complexity and sophistication. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course SPA282 - Spanish Lab 4 requires SPA281 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SPA281 - Spanish Lab 3

Additional Comments:
Course SPA282 - Spanish Lab 4 requires the Course(s) SPA281 to be completed as a Prerequisite.

SPI213 - Review of Grammar

Overview

Subject code
SPI

Course Number
213

Description
This course is designed to review the common, elements of Spanish grammar in oral and written, form. Emphasis is placed on the fundamental, grammatical concepts of the Spanish language, Upon completion, students should be able to, demonstrate comprehension and correct usage of, specified grammatical concepts in both oral and, written form. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SPI214 - Introduction to Translation

Overview

Subject code
SPI

Course Number
214

Description
This course is designed to improve the quality of, Spanish to English and English to Spanish, translation. Emphasis is placed on the practice, of Spanish to English and English to Spanish, translation in a variety of prose styles. Upon, completion, students should be able to demonstrate, the usage and understanding of the processes, involved in translating. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SRV110 - Surveying I

Overview

Subject code	Course Number	Department(s)
SRV	110	Engineering Programs

Description

This course introduces the theory and practice of plane surveying. Topics include the precise measurement of distances, angles, and elevations; bearing, azimuth and traverse computations; topography and mapping. Upon completion, students should be able to use/care for surveying equipment, collect field survey data, perform traverse computations and create a contour map.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Math Required
Type
Corequisite

Complete ALL of the following Courses:
- MAT171 - Precalculus Algebra

SRV111 - Surveying II

Overview

Subject code	Course Number	Department(s)
SRV	111	Engineering Programs

Description

This course introduces route surveying and roadway planning and layout. Topics include simple, compound, reverse, spiral, and vertical curves; geometric design and layout; planning of cross-section and grade line; drainage; earthwork calculations; and mass diagrams. Upon completion, students should be able to calculate and lay out highway curves; prepare roadway plans, profiles, and sections; and perform slope staking.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Survey Required
Type
Prerequisite

Complete ALL of the following Courses:
- SRV110 - Surveying I

SUR110 - Introduction to Surgical Technology

Overview

Subject code	Course Number	Department(s)
SUR	110	Healthcare Programs

Description
This course provides a comprehensive study of peri-operative care, patient care concepts, and professional practice concepts within the profession of surgical technology. Topics include: introductory concepts, organizational structure and relationships, legal, ethical and moral issues, medical terminology, pharmacology, anesthesia, wound healing management concepts, and the technological sciences. Upon completion, students should be able to apply theoretical knowledge of the course topics to the practice of surgical technology. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course SUR110 - Intro to Surg Tech requires SUR111
Type
Prerequisite

[object Object]

Additional Comments:
Course SUR110 - Intro to Surg Tech requires the Course(s) SUR111 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SUR111 - Periop Patient Care

Overview

Subject code	Course Number	Department(s)
SUR	111	Healthcare Programs

Description
This course provides the surgical technology student the theoretical knowledge required to function in the pre-operative, intra-operative, and post-operative role. Topics include asepsis, disinfection and sterilization, physical environment, instrumentation, equipment, peri-operative patient care, and peri-operative case management. Upon completion, students should be able to apply the principles and practice of the peri-operative team member to the operative environment. Some online sections may require proctored exams.

Credits

Class Hours

5

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

7

Course Requirements

Simple Requisites

Course SUR111 - Periop Patient Care requires SUR110
Type
Prerequisite

[object Object]

Additional Comments:
Course SUR111 - Periop Patient Care requires the Course(s) SUR110 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SUR122 - Surgical Procedures I

Overview

Subject code	Course Number	Department(s)
SUR	122	Healthcare Programs

Description
This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment. Some online sections may require proctored exams.

Credits

Class Hours

5

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

6

Course Requirements

Simple Requisites

Course SUR122 - Surgical Procedures I requires SUR110 AND SUR111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SUR110 - Introduction to Surgical Technology
  AND SUR111 - Periop Patient Care

Additional Comments:
Course SUR122 - Surgical Procedures I requires the Course(s) SUR110 AND SUR111 to be completed as a Prerequisite.

Course SUR122 - Surgical Procedures I requires SUR123
Type
Prerequisite

Course SUR122 - Surgical Procedures I requires SUR123

Requisite Condition Not Found

Additional Comments:
Course SUR122 - Surgical Procedures I requires the Course(s) SUR123 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SUR123 - Sur Clinical Practice I

Overview

Subject code	Course Number	Department(s)
SUR	123	Healthcare Programs

Description
This course provides clinical experience with a variety of perioperative assignments to build upon skills learned in SUR 111. Emphasis is placed on the scrub and circulating roles of the surgical technologist including aseptic technique and basic case preparation for selected surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle basic surgical cases in both the scrub and circulating roles. Modify a Course Set Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

21

Work Exp Hours

0

Credit Hours

7

Course Requirements

Simple Requisites

Course SUR123 - Sur Clinical Practice I requires SUR110 AND SUR111 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SUR110 - Introduction to Surgical Technology
  AND SUR111 - Periop Patient Care

Additional Comments:
Course SUR123 - Sur Clinical Practice I requires the Course(s) SUR110 AND SUR111 to be completed as a Prerequisite.

Course SUR123 - Sur Clinical Practice I requires SUR122
Type
Prerequisite

Course SUR123 - Sur Clinical Practice I requires SUR122

Requisite Condition Not Found

Additional Comments:
Course SUR123 - Sur Clinical Practice I requires the Course(s) SUR122 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SUR134 - Surgical Procedures II

Overview

Subject code	Course Number	Department(s)
SUR	134	Healthcare Programs

Description

This course provides a comprehensive study of, intermediate and advanced surgical specialties, that students are exposed to in the second, clinical rotation. Emphasis is placed on related, surgical anatomy, pathology, and procedures that, enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon, completion, students should be able to correlate, integrate, and apply theoretical knowledge of the, course topics to the clinical operative, environment. Some online sections may require proctored exams.

Credits

Class Hours

5

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

Course Requirements

Simple Requisites

Course SUR134 - Surgical Procedures II requires SUR123 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SUR123 - Sur Clinical Practice I

Additional Comments:
Course SUR134 - Surgical Procedures II requires the Course(s) SUR123 to be completed as a Prerequisite.

SUR135 - SUR Clinical Practice II

Overview

Subject code	Course Number	Department(s)
SUR	135	Healthcare Programs

Description

This course provides clinical experience with a, variety of perioperative assignments to build, skills required for complex perioperative patient, care. Emphasis is placed on greater technical, skills, critical thinking, speed, efficiency, and, autonomy in the operative setting. Upon, completion, students should be able to function in, the role of an entry-level surgical technologist. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

12

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course SUR135 - SUR Clinical Practice II requires SUR123 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- SUR123 - Sur Clinical Practice I

Additional Comments:
Course SUR135 - SUR Clinical Practice II requires the Course(s) SUR123 to be completed as a Prerequisite.

Course SUR135 - SUR Clinical Practice II requires SUR134
Type
Prerequisite

Course SUR135 - SUR Clinical Practice II requires SUR134

Requisite Condition Not Found

Additional Comments:
Course SUR135 - SUR Clinical Practice II requires the Course(s) SUR134 to be completed as a Prerequisite or taken in parallel as a Corequisite.

SUR137 - Professional Success Prep

Overview

Subject code	Course Number	Department(s)
SUR	137	Healthcare Programs

Description
This course provides employability skills and an overview of theoretical knowledge in preparation for certification. Topics include test-taking strategies, resume preparation, interviewing strategies, communication skills, and teamwork concepts. Upon completion, students should be able to prepare a resume, demonstrate appropriate interview techniques, and identify strengths and weaknesses in preparation for certification. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

SUR210 - Clinical Practice

Overview

Subject code	Course Number	Department(s)
SUR	210	Healthcare Programs

Description
This course is designed to provide individualized experience in advanced practice, education, circulating, and managerial skills. Emphasis is placed on developing and demonstrating proficiency in skills necessary for advanced practice. Upon completion, students should be able to assume leadership roles in a chosen specialty area. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

6

Work Exp Hours

0

Credit Hours

2

SUR211 - Advanced Theoretical Concepts

Overview

Subject code	Course Number	Department(s)
SUR	211	Healthcare Programs

Description

This course covers theoretical knowledge required for extension of the surgical technologist role. Emphasis is placed on advanced practice in complex surgical specialties, educational methodologies, and managerial skills. Upon completion, students should be able to assume leadership roles in a chosen specialty area. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

SUR212 - SUR Clinical Supplement

Overview

Subject code	Course Number	Department(s)
SUR	212	Healthcare Programs

Description

This course provides the opportunity to continue mastering the continuity of care in the peri-operative assignment. Emphasis is placed on maintaining and enhancing acquired clinical skills in the peri-operative setting. Upon completion, students should be able to demonstrate mastery of surgical techniques in the role of the entry level surgical technologist. Some online sections may require proctored exams.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

12

Work Exp Hours

0

Credit Hours

4

SWK110 - Introduction to Social Work

Overview

Subject code	Course Number	Department(s)
SWK	110	Social and Human Services Programs

Description

This course examines the historical development, values, orientation, and professional standards of social work and focuses on the terminology and broader systems of social welfare. Emphasis is placed on the various fields of practice including those agencies whose primary function is financial assistance, corrections, mental health, and protective services. Upon completion, students should be able to demonstrate an understanding of the knowledge, values, and skills of the social work professional. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SWK113 - Working With Diversity

Overview

Subject code	Course Number	Department(s)
SWK	113	Social and Human Services Programs

Description

This course examines and promotes understanding, sensitivity, awareness, and knowledge of human diversity. Emphasis is placed on professional responsibilities, duties, and skills critical to multicultural human services practice. Upon completion, students should be able to integrate and expand knowledge, skills, and cultural awareness relevant to diverse populations. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SWK115 - Community Resources

Overview

Subject code	Course Number	Department(s)
SWK	115	Social and Human Services Programs

Description

This course introduces community resources essential to social work practice. Emphasis is placed on awareness of and interaction with community service personnel. Upon completion, students should be able to identify resources and assess critical community needs. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SWK214 - Social Work Law

Overview

Subject code	Course Number	Department(s)
SWK	214	Social and Human Services Programs

Description

This course introduces the major provisions of social services law, current trends, legislative developments, and court procedures. Emphasis is placed on the interpretation of the laws and court decisions related to various social services populations. Upon completion, students should be able to interpret these laws and their implications for social services practice. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

SWK220 - Ethical Considerations in Social Work

Overview

Subject code	Course Number	Department(s)
SWK	220	Social and Human Services Programs

Description

This course introduces the professional standards, values, and issues in social services. Topics include confidentiality, assessment of personal values, professional responsibilities, competencies, and ethics. Upon completion, students should be able to understand and discuss multiple ethical issues applicable to social work and apply various decision-making models to current issues. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

TRF110 - Introduction Turfgrass Cultivation & ID

Overview

Subject code	Course Number	Department(s)
TRF	110	Horticulture Programs

Description

This course covers the principles of reproduction, growth development, species characteristics, establishment and maintenance of golf courses and, sports fields, and lawns. Topics include, principles of reproduction, growth development, species characteristics, establishment and, maintenance of golf courses and sports fields, and, lawn applications. Upon completion, students, should be able to identify turfgrass species and, develop an establishment and maintenance plan for, high quality turf areas in accordance with, sustainable practices. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

TRF260 - Advanced Turfgrass Management

Overview

Subject code	Course Number	Department(s)
TRF	260	Horticulture Programs

Description

This course covers the principles and practices involved in turfgrass management. Topics include choosing the best management practice in mowing, pest control, fertilization, irrigation, traffic control, air control, budgeting, and materials procurement. Upon completion, students should be able to demonstrate knowledge of the principles covered and select and apply the best practices in turfgrass management. Some online sections may require proctored exams.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

TRN110 - Introduction to Transport Technology

Overview

Subject code	Course Number	Department(s)
TRN	110	Transportation Programs

Description

This course covers workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology. Topics include familiarization with major vehicle systems, proper use of various hand and power tools, material safety data sheets, and personal protective equipment. Upon completion, students should be able to demonstrate appropriate safety procedures, identify and use basic shop tools, and describe government regulations regarding transportation repair facilities. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

TRN111 - Chassis Maintenance/Light Repair

Overview

Subject code	Course Number	Department(s)
TRN	111	Transportation Programs

Description

This course covers maintenance and light repair of transportation suspension, steering, and brake systems. Topics include general servicing and inspection procedures of steering and suspension systems, wheels and tires, and drum and disc brakes including hydraulic and power-assist units. Upon completion, students should be able to perform maintenance and light repair of transportation suspension, steering, and brake systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

TRN112 - Powertrain Maintenance/ Light Repair

Overview

Subject code	Course Number	Department(s)
TRN	112	Transportation Programs

Description

This course covers maintenance and light repair of transportation engines, automatic and manual transmission/transaxles, engine performance systems, and HVAC systems. Topics include general servicing and inspection procedures of engines, engine lubrication and cooling systems, automatic and manual transmission/transaxles, HVAC components, and fuel, air induction, and exhaust systems. Upon completion, students should be able to perform maintenance and light repair of transportation engines, automatic and manual transmission/ transaxles, engine performance systems, and HVAC systems. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

TRN120 - Basic Transportation Electricity

Overview

Subject code	Course Number	Department(s)
TRN	120	Transportation Programs

Description

This course covers basic electrical theory, wiring diagrams, test equipment, and diagnosis, repair and replacement of batteries, starters, and alternators. Topics include Ohm's Law, circuit construction, wiring diagrams, circuit testing, and basic troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and electrical concerns. Some online sections may require proctored exams.

Credits

Class Hours

4

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

TRN130 - Introduction to Sustainable Transportation

Overview

Subject code	Course Number	Department(s)
TRN	130	Transportation Programs

Description

This course provides an overview of alternative fuels and alternative fuel vehicles. Topics include composition and use of alternative fuels including compressed natural gas, biodiesel, ethanol, hydrogen, and synthetic fuels, hybrid/electric, and vehicles using alternative fuels. Upon completion, students should be able to identify alternative fuel vehicles, explain how each alternative fuel delivery system operates, and perform minor repairs. Some online sections may require proctored exams.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

TRN140 - Transportation Climate Control

Overview

Subject code	Course Number	Department(s)
TRN	140	Transportation Programs

Description

This course covers the theory of refrigeration and heating, electrical/electronic/pneumatic controls, and diagnosis and repair of climate control systems. Topics include diagnosis and repair of climate control components and systems, recovery/recycling of refrigerants, and safety and environmental regulations. Upon completion, students should be able to diagnose and repair vehicle climate control systems. Some online sections may require proctored exams.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

TRN140A - Transportation Climate Control Lab

Overview

Subject code	Course Number	Department(s)
TRN	140A	Transportation Programs

Description

This course provides experiences for enhancing student skills in the diagnosis and repair of transportation climate control systems. Emphasis is placed on reclaiming, recovery, recharging, leak detection, climate control components, diagnosis, air conditioning equipment, tools and safety. Upon completion, students should be able to describe the operation, diagnose, and safely service climate control systems using appropriate tools, equipment, and service information.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course TRN140A - Transp Climate Cont Lab requires TRN140
Type
Prerequisite

[object Object]

Additional Comments:
Course TRN140A - Transp Climate Cont Lab requires the Course(s) TRN140 to be completed as a Prerequisite or taken in parallel as a Corequisite.

TRN145 - Advanced Transportation Electronics

Overview

Subject code	Course Number	Department(s)
TRN	145	Transportation Programs

Description

This course covers advanced transportation electronic systems including programmable logic controllers, on-board data networks, telematics, high voltage systems, navigation, collision avoidance systems and electronic accessories. Topics include interpretation of wiring schematics, reprogramming PLC?s, diagnosing and testing data networks and other electronic concerns. Upon completion, students should be able to reprogram PLC?s, diagnose and test data networks and other electronic concerns, and work safely with high voltage systems.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course TRN145 - Adv Transp Electronics requires TRN120 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- TRN120 - Basic Transportation Electricity

Additional Comments:

Course TRN145 - Adv Transp Electronics requires the Course(s) TRN120 to be completed as a Prerequisite.

TRN180 - Basic Welding for Transportation

Overview

Subject code	Course Number	Department(s)
TRN	180	Transportation Programs, Welding Programs

Description

This course covers the terms and procedures for welding various metals used in the transportation industry with an emphasis on personal safety and environmental health. Topics include safety and precautionary measures, setup/operation of MIG equipment, metal identification methods, types of welds/joints, techniques, inspection methods, cutting processes and other related issues. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standard. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

TRN180A - Basic Welding for Transp Lab

Overview

Subject code	Course Number	Department(s)
TRN	180A	Transportation Programs, Welding Programs

Description
This course provides a laboratory experience for enhancing student skills in welding and cutting procedures associated with the transportation industry. Emphasis is placed on safety and precautionary measures, setup/operation of MIG equipment, metal identification, welds/joints, techniques, inspection of welds/joints, cutting processes and other related topics. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standards. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course TRN180A - Basic Welding for Transp Lab requires TRN180
Type
Prerequisite

[object Object]

Additional Comments:
Course TRN180A - Basic Welding for Transp Lab requires the Course(s) TRN180 to be completed as a Prerequisite or taken in parallel as a Corequisite.

VEN133 - Intro to Winemaking

Overview

Subject code	Course Number	Department(s)
VEN	133	Brewing Programs

Description
This course provides an overview of the history of winemaking, fermentation, winery operations, and physiology of wine consumption. Emphasis is placed on the types of wines produced in the United States with particular attention to the wines of the Southeast. Upon completion, students should be familiar with general winemaking procedures.

Credits

Class Hours

3

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

VEN135 - Introduction to Viticulture

Overview

Subject code	Course Number	Department(s)
VEN	135	Brewing Programs

Description

This course introduces grape growing. Topics include botany, fruiting and rootstock cultivars; anatomy and physiology; history and distribution of grapes; vine classification; world growing areas including latitude, climate and soils; and common diseases and pests. Upon completion, student should be able to demonstrate an overall understanding of the viticulture field. Some online sections may require a proctored exam.

Credits

Class Hours

3

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

VEN283 - Wine Production and Analysis

Overview

Subject code	Course Number	Department(s)
VEN	283	Brewing Programs

Description

This course applies previously introduced winemaking principles to actual wine production, while providing the student with sensory and chemical analytical tools fundamental to good winemaking. Topics include fruit choices and quality assessment, crushing, fermentation monitoring and control, analysis of product and the process decisions dictated by these analyses. Upon completion, students should demonstrate familiarity with wine analysis winemaking practices.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

WBL110 - World of Work

Overview

Subject code
WBL

Course Number
110

Description
This course covers basic knowledge necessary for, gaining and maintaining employment. Topics, include job search skills, work ethic, meeting, employer expectations, workplace safety, and, human relations. Upon completion, students, should be able to successfully make the, transition from, school to work. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

WBL111 - Work-Based Learning I

Overview

Subject code
WBL

Course Number
111

Department(s)
Social and Human Services Programs, General Education

Description
This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

10

Credit Hours

1

WBL112 - Work-Based Learning I

Overview

Subject code	Course Number	Department(s)
WBL	112	Social and Human Services Programs, General Education

Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

20

Credit Hours

2

WBL113 - Work-Based Learning I

Overview

Subject code	Course Number	Department(s)
WBL	113	Social and Human Services Programs, General Education

Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

30

Credit Hours

3

WBL114 - Work-Based Learning I

Overview

Subject code
WBL

Course Number
114

Description
This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

40

Credit Hours

4

WBL115 - Work-Based Learning Seminar I

Overview

Subject code
WBL

Course Number
115

Department(s)
Social and Human Services Programs, General Education

Description
This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

0

Clinic Hours

0

Work Exp Hours

0

Credit Hours

1

Course Requirements

Simple Requisites

Course WBL115 - Work-Based Learning Seminar I requires WBL114
Type
Prerequisite

[object Object]

Additional Comments:
Course WBL115 - Work-Based Learning Seminar I requires the Course(s) WBL114 to be completed as a Prerequisite or taken in parallel as a Corequisite.

WBL121 - Work-Based Learning II

Overview

Subject code	Course Number	Department(s)
WBL	121	Social and Human Services Programs, General Education

Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

10

Credit Hours

1

WBL122 - Work-Based Learning II

Overview

Subject code	Course Number	Department(s)
WBL	122	Social and Human Services Programs, General Education

Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

20

Credit Hours

2

WBL123 - Work-Based Learning II

Overview

Subject code	Course Number	Department(s)
WBL	123	Social and Human Services Programs, General Education

Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

30

Credit Hours

3

WBL124 - Work-Based Learning II

Overview

Subject code	Course Number
WBL	124

Description

This course provides a work-based learning, experience with a college-approved employer in an, area related to the student's program of study. , Emphasis is placed on integrating classroom, learning with related work experience. Upon, completion, students should be able to evaluate, career selection, demonstrate employability, skills, and satisfactorily perform work-related, competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

40

Credit Hours

4

WBL131 - Work-Based Learning III

Overview

Subject code	Course Number	Department(s)
WBL	131	Social and Human Services Programs, General Education

Description

This course provides a work-based learning, experience with a college-approved employer in an, area related to the student's program of study. , Emphasis is placed on integrating classroom, learning with related work experience. Upon, completion, students should be able to evaluate, career selection, demonstrate employability, skills, and satisfactorily perform work-related, competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

10

Credit Hours

1

WBL132 - Work-Based Learning III

Overview

Subject code	Course Number	Department(s)
WBL	132	Social and Human Services Programs, General Education

Description

This course provides a work-based learning, experience with a college-approved employer in an, area related to the student's program of study. , Emphasis is placed on integrating classroom, learning with related work experience. Upon, completion, students should be able to evaluate, career selection, demonstrate employability, skills, and satisfactorily perform work-related, competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

20

Credit Hours

2

WBL211 - Work-Based Learning IV

Overview

Subject code
WBL

Course Number
211

Description
This course provides a work-based learning, experience with a college-approved employer in an, area related to the student's program of study. , Emphasis is placed on integrating classroom, learning with related work experience. Upon, completion, students should be able to evaluate, career selection, demonstrate employability, skills, and satisfactorily perform work-related, competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

10

Credit Hours

1

WBL212 - Work-Based Learning IV

Overview

Subject code
WBL

Course Number
212

Description
This course provides a work-based learning, experience with a college-approved employer in an, area related to the student's program of study. , Emphasis is placed on integrating classroom, learning with related work experience. Upon, completion, students should be able to evaluate, career selection, demonstrate employability, skills, and satisfactorily perform work-related, competencies. Some online sections may require a proctored exam.

Credits

Class Hours

0

Lab Hours

0

Clinic Hours

0

Work Exp Hours

20

Credit Hours

2

WEB115 - Web Markup and Scripting

Overview

Subject code
WEB

Course Number
115

Description
This course introduces Worldwide Web Consortium, (W3C) standard client-side Internet programming, using industry-established practices. Topics, include JavaScript, markup elements, stylesheets, validation, accessibility, standards, and, browsers. Upon completion, students should be able, to develop hand-coded web pages using current, markup standards. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WEB151 - Mobile Application Development I

Overview

Subject code
WEB

Course Number
151

Department(s)
Information Technology Programs

Description
This course introduces students to programming technologies, design, and development related to mobile applications. Topics include accessing device capabilities, compliance with industry standards, and programming for mobile applications. Upon completion, students should be able to develop basic applications for mobile devices. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WEB180 - Active Server Pages

Overview

Subject code
WEB

Course Number
180

Description
This course introduces active server programming, Topics include HTML forms processing and other, issues related to developing active web, applications. Upon completion, students should be, able to create and maintain a dynamic website. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WEB182 - PHP Programming

Overview

Subject code
WEB

Course Number
182

Description
This course introduces students to the, server-side, HTML-embedded scripting language PHP, Emphasis is placed on programming techniques, required to create dynamic web pages using PHP, scripting language features. Upon completion, students should be able to design, code, test, debug, and create a dynamic web site using the PHP, scripting language. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WEB213 - Internet Mkt & Analytics

Overview

Subject code	Course Number	Department(s)
WEB	213	rBVcRXWT63QaziacNJvg

Description

This course introduces students to Search Engine Optimization (SEO), Search Engine Marketing (SEM)and web analytics. Topics include Search Engine Optimization (SEO), Pay Per Click advertising (PPC), Search Engine Marketing (SEM), web analytics, eye-tracking software and email marketing. Upon completion, students should be able to set up, monitor and maintain SEO optimized websites; and develop strategies for online marketing and advertising plans.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WEB214 - Social Media

Overview

Subject code	Course Number
WEB	214

Description

This course introduces students to social media, for organizations. Topics include social media, marketing strategy, brand presence, blogging, social media analytics and technical writing, Upon completion, students should be able to, utilize popular social media platforms as part of, a marketing strategy, and work with social media, analytics tools. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WEB215 - Advanced Markup and Scripting

Overview

Subject code
WEB

Course Number
215

Description
This course covers advanced programming skills, required to design Internet applications. Emphasis, is placed on programming techniques required to, support Internet applications. Upon completion, students should be able to design, code, debug, and document Internet-based programming solutions, to various real-world problems using an, appropriate programming language. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course WEB215 - Adv Markup and Scripting requires WEB115 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- WEB115 - Web Markup and Scripting

Additional Comments:
Course WEB215 - Adv Markup and Scripting requires the Course(s) WEB115 to be completed as a Prerequisite.

WEB225 - Content Management Systems

Overview

Subject code
WEB

Course Number
225

Department(s)
Information Technology Programs

Description
This course introduces students to Content Management Systems (CMS) designed for the publication of Web content to Web sites. Topics include individual user accounts, administration menus, RSS-feeds, customizable layout, flexible account privileges, logging, blogging systems, creating online forums, and modules. Upon completion, students should be able to register and maintain individual user accounts and create a business website and/or an interactive community website. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WEB250 - Database Driven Websites

Overview

Subject code	Course Number
WEB	250

Description

This course introduces dynamic (database-driven), website development. Topics include the use of, basic database CRUD statements (create, read, update and delete) incorporated into web, applications, as well as in software architecture, principles. Upon completion, students should be, able to design and develop database driven web, applications according to industry standards. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WLD110 - Cutting Processes

Overview

Subject code	Course Number	Department(s)
WLD	110	Welding Programs

Description

This course introduces oxy-fuel and plasma-arc cutting systems. Topics include safety, proper equipment setup, and operation of oxy-fuel and plasma-arc cutting equipment with emphasis on straight line, curve and bevel cutting. Upon completion, students should be able to oxy-fuel and plasma-arc cut metals of varying thickness. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

WLD112 - Basic Welding Processes

Overview

Subject code	Course Number	Department(s)
WLD	112	Welding Programs

Description

This course introduces basic welding and cutting. Emphasis is placed on beads applied with gases, mild steel fillers, and electrodes and the capillary action of solder. Upon completion, students should be able to set up welding and oxy-fuel equipment and perform welding, brazing, and soldering processes. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

WLD115 - SMAW (Stick) Plate

Overview

Subject code	Course Number	Department(s)
WLD	115	Welding Programs

Description

This course introduces the shielded metal arc (stick) welding process. Emphasis is placed on padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, students should be able to perform SMAW fillet and groove welds on carbon plate with prescribed electrodes. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

5

WLD116 - SMAW (stick) Plate/Pipe

Overview

Subject code	Course Number	Department(s)
WLD	116	Welding Programs

Description

This course is designed to enhance skills with the shielded metal arc (stick) welding process. Emphasis is placed on advancing manipulative skills with SMAW electrodes on varying joint geometry. Upon completion, students should be able to perform groove welds on carbon steel with prescribed electrodes in the flat, horizontal, vertical, and overhead positions. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course WLD116 - SMAW (stick) Plate/Pipe requires WLD115 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- WLD115 - SMAW (Stick) Plate

Additional Comments:
Course WLD116 - SMAW (stick) Plate/Pipe requires the Course(s) WLD115 to be completed as a Prerequisite.

WLD117 - Industrial SMAW

Overview

Subject code	Course Number	Department(s)
WLD	117	Welding Programs

Description

This course introduces the SMAW (stick) process for joining carbon steel components for industrial applications. Topics include padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, student should be able to safely perform SMAW fillet and groove welds on carbon steel plate with prescribed electrodes. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

4

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WLD121 - GMAW (MIG) FCAW/Plate

Overview

Subject code	Course Number	Department(s)
WLD	121	Welding Programs

Description

This course introduces metal arc welding and flux core arc welding processes. Topics include equipment setup and fillet and groove welds with emphasis on application of GMAW and FCAW electrodes on carbon steel plate. Upon completion, students should be able to perform fillet welds on carbon steel with prescribed electrodes in the flat, horizontal, and overhead positions. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

WLD131 - GTAW (TIG) Plate

Overview

Subject code	Course Number	Department(s)
WLD	131	Welding Programs

Description

This course introduces the gas tungsten arc (TIG) welding process. Topics include correct selection of tungsten, polarity, gas, and proper filler rod with emphasis placed on safety, equipment setup, and welding techniques. Upon completion, students should be able to perform GTAW fillet and groove welds with various electrodes and filler materials. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

WLD132 - GTAW (TIG) Plate/Pipe

Overview

Subject code	Course Number	Department(s)
WLD	132	Welding Programs

Description

This course is designed to enhance skills with the gas tungsten arc (TIG) welding process. Topics include setup, joint preparation, and electrode selection with emphasis on manipulative skills in all welding positions on plate and pipe. Upon completion, students should be able to perform GTAW welds with prescribed electrodes and filler materials on various joint geometry. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course WLD132 - GTAW (TIG) Plate/Pipe requires WLD131 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:

- WLD131 - GTAW (TIG) Plate

Additional Comments:
Course WLD132 - GTAW (TIG) Plate/Pipe requires the Course(s) WLD131 to be completed as a Prerequisite.

WLD141 - Symbols & Specifications

Overview

Subject code	Course Number	Department(s)
WLD	141	Welding Programs

Description

This course introduces the basic symbols and specifications used in welding. Emphasis is placed on interpretation of lines, notes, welding symbols, and specifications. Upon completion, students should be able to read and interpret symbols and specifications commonly used in welding. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WLD143 - Welding Metallurgy

Overview

Subject code	Course Number	Department(s)
WLD	143	Welding Programs

Description

This course introduces the concepts of welding metallurgy. Emphasis is placed on basic metallurgy, effects of welding on various metals, and metal classification and identification. Upon completion, students should be able to understand basic metallurgy, materials designation, and classification systems used in welding. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

WLD151 - Fabrication I

Overview

Subject code	Course Number	Department(s)
WLD	151	Welding Programs

Description

This course introduces the basic principles of fabrication. Emphasis is placed on safety, measurement, layout techniques, cutting, joining techniques, and the use of fabrication tools and equipment. Upon completion, students should be able to perform layout activities and operate various fabrication and material handling equipment. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

WLD212 - Inert Gas Welding

Overview

Subject code	Course Number	Department(s)
WLD	212	Welding Programs

Description

This course introduces inert gas-shielded welding methods (MIG/TIG). Topics include correct selection of consumable and non-consumable electrodes, equipment setup, safety, and welding techniques. Upon completion, students should be able to perform inert gas welding in flat, horizontal, and overhead positions. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

WLD214 - Sanitary Welding

Overview

Subject code	Course Number	Department(s)
WLD	214	Welding Programs

Description

This course covers the requirements for gas tungsten arc welding (TIG) of austenitic stainless steel tube, pipe, and plate. Topics include correct selection of tungsten, polarity, gas and proper filler rod with emphasis placed on safety, equipment set-up and welding techniques. Upon completion, students should be able to perform TIG welds with various electrodes and filler materials on austenitic stainless steel tube, pipe, and plate. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

WLD215 - SMAW (stick) Pipe

Overview

Subject code	Course Number	Department(s)
WLD	215	Welding Programs

Description

This course covers the knowledge and skills that apply to welding pipe. Topics include pipe positions, joint geometry, and preparation with emphasis placed on bead application, profile, and discontinuities. Upon completion, students should be able to perform SMAW welds to applicable codes on carbon steel pipe with prescribed electrodes in various positions. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

9

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course WLD215 - SMAW (stick) Pipe requires WLD115 or WLD116 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- WLD115 - SMAW (Stick) Plate
  OR WLD116 - SMAW (stick) Plate/Pipe

Additional Comments:
Course WLD215 - SMAW (stick) Pipe requires the Course(s) WLD115 or WLD116 to be completed as a Prerequisite.

WLD231 - GTAW (TIG) Pipe

Overview

Subject code	Course Number	Department(s)
WLD	231	Welding Programs

Description

This course covers gas tungsten arc welding on pipe. Topics include joint preparation and fit up with emphasis placed on safety, GTAW welding technique, bead application, and joint geometry. Upon completion, students should be able to perform GTAW welds to applicable codes on pipe with prescribed electrodes and filler materials in various pipe positions. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course WLD231 - GTAW (TIG) Pipe requires WLD132 be completed before enrolling.
Type
Prerequisite

Complete ALL of the following Courses:
- WLD132 - GTAW (TIG) Plate/Pipe

Additional Comments:
Course WLD231 - GTAW (TIG) Pipe requires the Course(s) WLD132 to be completed as a Prerequisite.

WLD251 - Fabrication II

Overview

Subject code	Course Number	Department(s)
WLD	251	Welding Programs

Description

This course covers advanced fabrication skills. Topics include advanced layout and assembly methods with emphasis on the safe and correct use of fabrication tools and equipment. Upon completion, students should be able to fabricate projects from working drawings. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

Course Requirements

Simple Requisites

Course WLD251 - Fabrication II requires WLD151 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- WLD151 - Fabrication I

Additional Comments:

Course WLD251 - Fabrication II requires the Course(s) WLD151 to be completed as a Prerequisite.

WLD261 - Certification Practices

Overview

Subject code	Course Number	Department(s)
WLD	261	Welding Programs

Description

This course covers certification requirements for industrial welding processes. Topics include techniques and certification requirements for prequalified joint geometry. Upon completion, students should be able to perform welds on carbon steel plate and/or pipe according to applicable codes. Some online sections may require a proctored exam.

Credits

Class Hours

1

Lab Hours

3

Clinic Hours

0

Work Exp Hours

0

Credit Hours

2

Course Requirements

Simple Requisites

Course WLD261 - Certification Practices requires WLD115 AND WLD121 AND WLD131 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- WLD115 - SMAW (Stick) Plate
  AND WLD121 - GMAW (MIG) FCAW/Plate
  AND WLD131 - GTAW (TIG) Plate

Additional Comments:

Course WLD261 - Certification Practices requires the Course(s) WLD115 AND WLD121 AND WLD131 to be completed as a Prerequisite.

WLD262 - Inspection & Testing

Overview

Subject code	Course Number	Department(s)
WLD	262	Welding Programs

Description

This course introduces destructive and non-destructive testing methods. Emphasis is placed on safety, types and methods of testing, and the use of testing equipment and materials. Upon completion, students should be able to understand and/or perform a variety of destructive and non-destructive testing processes. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

2

Clinic Hours

0

Work Exp Hours

0

Credit Hours

3

WLD265 - Automated Welding/Cutting

Overview

Subject code	Course Number	Department(s)
WLD	265	Welding Programs

Description

This course introduces automated welding equipment and processes. Topics include setup, programming, and operation of automated welding and cutting equipment. Upon completion, students should be able to set up, program, and operate automated welding and cutting equipment. Some online sections may require a proctored exam.

Credits

Class Hours

2

Lab Hours

6

Clinic Hours

0

Work Exp Hours

0

Credit Hours

4

Course Requirements

Simple Requisites

Course WLD265 - Automated Welding/Cutting requires WLD110 and WLD121 be completed before enrolling.

Type

Prerequisite

Complete ALL of the following Courses:

- WLD110 - Cutting Processes
  AND WLD121 - GMAW (MIG) FCAW/Plate

Additional Comments:

Course WLD265 - Automated Welding/Cutting requires the Course(s) WLD110 and WLD121 to be completed as a Prerequisite.