COLLEGE CATALOG

2026-2027

Explore UACCB's 2026-2027 College Catalog for programs, degrees, and opportunities designed to support your goals and shape your future.



UACCB

University of Arkansas Community College at Batesville

870-612-2000 2005 White Drive, Batesville, AR 72501

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Equal Opportunity

It is the policy of the University of Arkansas Community College at Batesville to prohibit discrimination of its students, faculty, and staff and to make every effort to eliminate discrimination within the UACCB community. UACCB should be a place of work and study for students, faculty, and staff, which is free of all forms of discrimination, sexual intimidation, and exploitation.

UACCB is committed to providing equal opportunity for all students and applicants for admission and for all employees and applicants for employment regardless of race, color, age, gender, pregnancy, religion, national origin, marital or parental status, disability, veteran status, or sexual orientation. In addition, discrimination in employment on the basis of genetic information is prohibited.

Anyone with questions regarding this policy may contact the Title IX Coordinator or the Director of Human Resources, by calling 870-612-2000 or in writing to University of Arkansas Community College at Batesville, P.O. Box 3350, Batesville, Arkansas, 72503-3350.

General Information

Contact Information

Department/Area of the College	Phone Number	Email Address
Access (Disability Services)	870-612-2056	access@uaccb.edu
Adult Education/GED	870-612-2164	adulted@uaccb.edu
Business Office	870-612-2005	businessoffice@uaccb.edu
Campus Security	870-307-2421	safety@uaccb.edu
College Store	870-612-2029	collegestore@uaccb.edu
Community Events	870-612-2062	events@uaccb.edu
Development/Foundation	870-612-2017	foundation@uaccb.edu
Early College Programs	870-612-2031	earlycollege@uaccb.edu
Financial Aid Documentation	870-612-2000	financial.aid@uaccb.edu
General Information	870-612-2000	info@uaccb.edu
IT Help Desk	870-612-2025	helpdesk@uaccb.edu
Learning Resource Center (Library & Tutoring)	870-612-2020	lrc@uaccb.edu
Registrar	870-612-2160	registrar@uaccb.edu
Testing Center	870-612-2110	testing@uaccb.edu
Veterans Affairs	870-612-2000	veterans@uaccb.edu
Welcome Center (Admissions, Advising, Registration)	870-612-2000	welcomecenter@uaccb.edu

Institutional History

The two-year college is a distinct American innovation in higher education, and the University of Arkansas Community College at Batesville (UACCB) has served as a vital part of this mission since 1991, when it was reorganized as Gateway Technical College. As one of 14 vocational-technical schools transitioned into technical colleges or university branches by the Arkansas legislature, UACCB has remained committed to expanding access to quality education in north central Arkansas.

UACCB offers a broad range of programs, including Associate of Arts and Associate of Science degrees for transfer, Technical Certificates, and Associate of Applied Science degrees in occupational fields, customized training for business and industry, continuing education, and adult education services.

In October 1997, Gateway Technical College joined the University of Arkansas System, and with the support of a local sales tax initiative, became UACCB in March 1998. The college is accredited by the Higher Learning Commission.

Since becoming part of the University of Arkansas System, UACCB has steadily expanded its academic offerings and facilities. The campus has seen significant growth, including the construction of the Arts and Sciences Building (1999), Independence Hall Conference/Student Center (2001), and a consolidated Plant Maintenance Facility (2002). The Adult Education Center was renovated in 2002, and subsequent expansions included additional classrooms, offices, a gazebo, and campus infrastructure improvements.

In 2005, the Roy Row, Sr. and Imogene Row Johns Library and Academic Building opened, named in honor of a generous private donation. The Nursing and Allied Health Building, UACCB's first two-story structure, opened in 2011, followed by the Cosmetology Building in 2015.

UACCB earned secondary area career center status in 2018 and completed a state-of-the-art Workforce Training Center (WTC) in 2020. The WTC supports skilled trade programs such as welding, HVAC, industrial technology, and commercial driving, as well as training in heavy and compact equipment operation.

In 2023, UACCB acquired the Gateway Center at 2210 Main Street in Batesville. This milestone was made possible through generous support from local businesses and grants

to renovate the facility. In 2024, the college received a $5 million HIRED grant to launch a Farm and Ranch Management (FARM) program, with classes beginning in Fall 2026.

UACCB continues to grow and evolve, with a clear mission to provide accessible, high-quality education and workforce training that meets the needs of the region it serves.

Purpose, Mission, Vision, and Values

Purpose

Improve Lives

Mission

Improve lives by empowering the people of North Central Arkansas through education and skills development.

Vision

Empower people to thrive through organizational excellence, student success, economic prosperity, and service to community.

Values

- Learning – We promote lifelong curiosity, knowledge, and discovery.
- Integrity – We commit to accountability, transparency, and trust.
- Caring – We engage with respect and compassion to foster a sense of belonging.
- Transformation – We drive advancement through innovation and resilience.

Institutional Learning Outcomes

Critical Thinking and Problem Solving

Students will demonstrate the ability to assess complex, real-world problems and use critical thinking to solve them, discerning when and how to gather, evaluate, analyze, and synthesize relevant information.

Workforce Readiness and Technical Proficiency

Students will acquire industry-specific skills, certifications, and degrees that empower them to thrive in the rapidly changing workforce as contributors in their field.

Communication and Collaboration

Students will demonstrate cultural awareness and the ability to collaborate across a variety of perspectives by utilizing effective written, oral, and digital communication skills.

Civic Engagement and Leadership

Students will demonstrate responsibility and a commitment to the public good by engaging in community service or leadership activities.

General Education Philosophy

The term “general education” at UACCB refers to providing opportunities for students to acquire a body of knowledge and skills held to be relevant to living and working in a diverse society in the twenty-first century. The College has established a required core of general education courses in both its associate degree and technical certificate programs. UACCB also offers general education courses designed to meet the legislative requirements of the State Minimum Core for Associate of Arts and Associate of Science programs.

The general education curriculum is the primary avenue through which students improve their ability to think, reason, compute, communicate, and adapt to change. UACCB faculty and staff are committed to reinforcing, enhancing, and supporting the knowledge and skills acquired through this body of courses and are further committed to introducing general skills and knowledge not necessarily covered in depth in other classes.

General Education Outcomes

- Critical Thinking: Students will analyze problems, evaluate evidence, and draw logical conclusions.
- Communication: Students will write, speak, and present ideas clearly and effectively.
- Information Skills: Students will find, evaluate, and responsibly use information from different sources.
- Civic Engagement: Students will demonstrate civic engagement through community involvement and develop leadership skills.

Accreditation and Program Approvals

Accreditation

UACCB is accredited by The Higher Learning Commission. UACCB is authorized to offer the Associate of Arts, Associate of Science, Associate of Applied Science, Technical Certificates, and Certificates of Proficiency degrees and certificates by the Arkansas Higher Education Coordinating Board.

As a state-supported, two-year institution, UACCB is recognized by the Arkansas Department of Education, Arkansas Division of Higher Education, the Arkansas Division of Career and Technical Education, and the Arkansas State Approving Agency for Veterans' Training for financial aid purposes.

The Registered Nursing (RN) associate degree program is accredited by the Accreditation Commission for Education in Nursing and is approved by the Arkansas State Board of Nursing.

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

Program Approvals and Oversight

The Practical Nursing (PN) program is approved by the Arkansas State Board of Nursing.

The Emergency Medical Technology program is approved by the Arkansas Department of Health, Division of Emergency Medical Services

The Certified Nursing Assistant program is approved by the Arkansas Department of Human Services, Office of Long-Term Care.

The Adult Education program is approved by the Arkansas Department of Commerce, Division of Workforce Connections.

The Cosmetology programs are licensed by the Arkansas Department of Health, Cosmetology Section.

Professional Licensure Disclosure

Federal regulations require the University of Arkansas Community College at Batesville to disclose whether its degree programs meet U.S. jurisdictions' educational requirements for licensure (34 CFR 668.43(a)(6) & 34 CFR 668.72(n)).

A number of academic programs offered at UACCB are designed to prepare students for a career in a licensed profession upon completion of the program. A professional license is typically required for graduates of these programs to practice and/or gain employment in these fields. Additional information can be found on the UACCB website, www.uaccb.edu.

Each state and territory has different professional licensure and certification requirements. Other licensure requirements may include professional examinations, background checks, years of work experience, fingerprinting requirements, etc.

Prospective and current students should also keep in mind that licensing and authorization requirements vary by state and that relocating during the course of a program to another state could impact whether they can continue in the course, meet the eligibility requirements of that state, and/or receive financial aid funding. Students considering relocation during their academic program are encouraged to communicate with the program contact listed above to check for authorization and licensure eligibility requirements.

Academic Calendar

Fall 2026

Event	Fall	Fall I	Fall II
Faculty Reporting Date (9 Month)	August 17	August 17	
Registration Ends for Current Term	August 21	August 21	October 16
Classes Begin	August 24	August 24	October 19
Tuition Due for Current Semester	August 24	August 24	October 19
Last Day for Schedule Changes	August 25	August 24	October 19
Applications Open: RN Programs	September 1	September 1	
Last Day for 100% Refund	September 8	August 28	October 23
Census Reporting (due by 5:00 p.m.)	September 8	August 28	October 23
Labor Day Holiday (No Classes/Campus Closed)	September 7	September 7	
First Financial Aid Disbursement Begins	September 17	September 17	
Registration Begins for Spring and Summer Terms (No Later Than)	October 7		
Midterm Grades Due (due by 5:00 p.m.)	October 16	September 18	November 13
Second Financial Aid Disbursement Begins	October 29		October 29
Applications Due: RN Programs	October 31		October 31
Intent to Graduate Forms Due	October 31		October 31
Last Day to Drop or Withdrawal w/ "W"	November 12	October 1	December 1
Fall Break (No Classes)	November 25-27		November 25-27
Fall Break (Campus Closed)	November 26-27		November 26-27
Classes End	December 11	October 13	December 15
Final Exams	December 14-18	October 14-16	December 16-18
Term Ends	December 18	October 16	December 18
Final Grades Due (due by 5:00 p.m.)	December 18	October 16	December 18
Fall Graduation	December 18		December 18
Faculty Off Appointment Date (9 Month)	December 21		December 21
Holiday Break*	December 22		December 22

**Campus closes at 5:00 p.m. and reopens Friday, January 4 at 8:00 a.m.*

Spring 2027

Event	Spring	Spring I	Spring II
Faculty Reporting Date (9 Month)	January 4		
Registration Ends for Current Term	January 8	January 8	March 5
Classes Begin	January 11	January 11	March 8
Tuition Due for Current Semester	January 11	January 11	March 8
Last Day for Schedule Changes	January 12	January 11	March 8
Martin Luther King Jr. Holiday (No Classes/Campus Closed)	January 18	January 18	
Last Day for 100% Refund	January 26	January 15	March 12
Census Reporting (due by 5:00 p.m.)	January 26	January 15	March 12
First Financial Aid Disbursement Begins	February 11	February 11	
Intent to Graduate Forms Due	March 1	March 1	
Midterm Grades Due (due by 5:00 p.m.)	March 5	February 5	April 9
Registration Begins for Fall Terms No later Than	March 10		March 10
Second Financial Aid Disbursement Begins	March 18		March 18
Spring Break (No Classes)	March 22-26		March 22-26
Last Day to Drop or Withdrawal w/ "W"	April 8	February 18	April 22
Classes End	April 30	March 2	May 4
Applications Open: RN and LPN Programs	May 1		May 1
Final Exams	May 3-7	March 3-5	May 5-7
Term Ends	May 7	March 5	May 7
Final Grades Due (due by 5:00 p.m.)	May 7	March 5	May 7
Spring Graduation and Pinning Ceremonies	May 10		
Faculty Off Appointment Date (9 Month)	May 13		

Summer 2027

Event	Summer I	Summer I Ext.	Summer II
Registration Ends for Current Term	May 25	May 25	July 6
Classes Begin	May 26	May 26	July 7
Tuition Due for Current Semester	May 26	May 26	July 7
Last Day for Schedule Changes	May 26	May 26	July 7
Memorial Day (No Classes/Campus Closed)	May 31	May 31	
Last Day for 100% Refund	May 28	June 2	July 9
Census Reporting (due by 5:00 p.m.)	May 28	June 2	July 9
First Financial Aid Disbursement Begins	June 3	June 3	
Midterm Grades Due (due by 5:00 p.m.)	June 9	June 22	July 21
Independence Day (No Classes/Campus Closed)		July 5	July 5
Second Financial Aid Disbursement Begins		July 15	July 15
Last Day to Drop or Withdrawal w/ "W"	June 15	July 6	July 27
Classes End	June 22	July 20	August 3
Final Exams	June 23-25	July 21-23	August 4-6
Term Ends	June 25	July 23	August 6
Final Grades Due (due by 5:00 p.m.)	June 25	July 23	August 6
Applications Due: RN and LPN Programs		June 30	

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a federal law that protects the privacy of students' educational records. UACCB students have specific, protected rights regarding the release of such records, and FERPA requires that UACCB adhere strictly to these guidelines. Questions concerning the Family Education Rights and Privacy Act should be referred to the Registrar or the Provost.

When FERPA Rights Begin

At UACCB, a student is defined as someone who is conditionally admitted to the institution or someone who is currently or was previously enrolled in an academic program at the college.

A student at UACCB has the following rights with regard to his or her educational records:

- To inspect and review all educational records pertaining to him or her.
- To request the amendment of his or her educational records to ensure that they are not inaccurate, misleading, or otherwise in violation of his or her privacy or other rights.
- To refuse consent to disclose directory information by informing the Registrar in writing within ten days of the first scheduled class of each academic session that he or she does not want that information disclosed.
    - Directory information at UACCB is defined as name; address; telephone number; email address, photograph; major field of study; dates of attendance; degrees received; scholarships, honors and awards received; and participation in officially recognized activities.
- To consent to disclosure of personally identifiable information contained in his or her educational records, except to the extent that FERPA authorizes disclosure without consent.
- To file a complaint with the U.S. Department of Education concerning an alleged failure by the College to comply with FERPA requirements.
- To obtain a copy of the college’s FERPA policy. The policy is available upon request from the Registrar and in the Row Johns Library. The student is responsible for a copying fee.

Students who wish to review their educational records must present a written request to the Registrar, listing the item(s) to be reviewed. The item(s) requested shall be made available for review no later than 45 calendar days following receipt of the written request. Students following the above procedure have the right to copy their records when failure to provide a copy of the records would effectively prevent the student from inspecting and reviewing the record as determined by the reasonable discretion of the College. The College may refuse to copy an academic record if a "hold" has been placed for non-payment of financial obligations; copies shall be made at the student's expense ($.25 per page). Students have no right to review or inspect the following records:

- Financial information submitted by parents or legal guardians.
- Confidential letters and/or recommendations placed in the student's file prior to January 1, 1975, if such documents were intended to be confidential and are used only for the purpose(s) for which they were specifically intended.
- Confidential letters and/or recommendations placed in the student's file prior to January 1, 1975, associated with admissions, employment, or job placement, or receipt of an honor or honorary recognition if the student has voluntarily waived his/her right to inspect the confidential letters and/or recommendations in writing.
- Educational records containing information about more than one student, in which case the College will permit access only to that part of the record pertaining to the inquiring student.
- Challenge of Contents of Educational Records

Any student who believes that his/her educational records contain information that is inaccurate, misleading, or otherwise in violation of his/her privacy or other rights, or who believes that his/her records have been maintained or processed in violation of his/her privacy or other rights, may notify the Director of Student Information/Registrar in writing, clearly identifying the portion of the record to be changed and specifying why the student believes the record is inaccurate or misleading.

If the Registrar is in agreement with the student, the appropriate record shall be amended and the student shall be notified in writing. If the decision of the Registrar is not in agreement with the student, the student shall be notified within thirty calendar days that the records will not be amended. The student may appeal this decision following the procedure outlined under "Student Grievance Procedure." If the student successfully appeals the decision to amend his/her records, the file will be amended accordingly. If the appeal is unsuccessful, the student has the right to place a statement commenting on the

reason for disagreeing with the decision of the College. This statement shall be included in the educational record, and shall be maintained as long as the record is maintained and shall be disclosed whenever the record(s) in question is disclosed. A student may contact the Provost for assistance in filing a complaint with the Family Policy and Regulations Officer, U.S. Department of Education, Washington, D.C. 20202. C. Consent Provisions No person outside the College shall have access to, nor shall the College disclose, any personally identifiable information from a student's educational records without the written consent of the student. The consent must specify the records to be disclosed, the purpose(s) of the disclosure, and the party or class of parties to whom disclosure may be made. The consent must also be signed and dated by the student. A copy of the record disclosed or to be disclosed shall be provided to the student upon request. There are, however, exceptions to the consent policy. The College reserves the right, as permitted by law, to disclose educational records without written consent to those parties enumerated in Section 99.31 of the FERPA, including the following:

- School officials who have legitimate educational interest.
- Officials of other educational institutions or agencies in which a student seeks enrollment.
- Officials of other educational institutions in which a student is currently enrolled.
- Persons or organizations providing student financial aid in order to determine the amount, eligibility, and conditions of award, and to enforce the terms of the award.
- Accrediting organizations carrying out accreditation functions.
- Authorized representatives for federal, state and/or local authorities for the purpose of audit and evaluation of programs.
- Organizations conducting studies on behalf of educational agencies or institutions to develop and administer predictive tests, administer student aid programs or improve instruction.
- Parents of dependent students under the age of 18. Parents must present proof of dependent status of student by providing a copy of their current tax forms.
- Persons in compliance with a judicial order or subpoena.
- Appropriate persons in a health and safety emergency.
- An alleged victim of any crime of violence.

Admission and Enrollment Information

Recruitment Statement

UACCB does not provide any commission, bonus, or other incentive payment based directly or indirectly on securing enrollments or federal financial aid (including Tuition Assistance funds) to any persons or entities engaged in any student recruiting, admissions activities, or making decisions regarding the award of student financial assistance. UACCB also refrains from high–pressure recruitment tactics such as making multiple unsolicited contacts (3 or more), including contacts by phone, email, or in-person, and engaging in same-day recruitment and registration for the purpose of securing service member enrollments.

Admissions Process

The University of Arkansas Community College at Batesville (UACCB) welcomes all individuals who meet the following criteria:

1. All students must meet one of the following criteria:
    a. Have a high school diploma from an accredited high school or home school.
    b. Have a General Education Development® diploma (GED).
    c. Be a high school, home school, or GED student who meets the requirements for Concurrent, Dual Enrollment, Integrated Education and Training (IET).
2. In addition, all students must meet one of the following additional criteria:
    a. A composite score of 15 or higher on the ACT.
    b. An average score of 220 or higher on the Accuplacer.
    c. Or other approved placement test scores.

To complete the application for admission process, students must submit the following information prior to registration:

- A completed application for admission.
- An official transcript of high school grades, credits, and date of graduation and/or college work; or GED transcript.
- Proof of two (2) immunizations against measles, mumps, and rubella (MMR). The first immunization dated at least one year after date of birth.
    - Individuals born before January 1, 1957, are exempt from the MMR requirement.

    - Students who do not submit adequate immunization records within the first 30 days of the semester are subject to administrative withdrawal for noncompliance with state statute.
- ACT, Accuplacer, Classical Learning Test (CLT), or SAT scores.
- Proof of Identification (i.e., driver's license with state, state ID, passport, or other official form of identification that includes a photo).

Submission of Documents
All required documents must be official and received before a student can be admitted. A student may be enrolled as a non-degree seeking student until the required documents are received. Any student who has not submitted all of the above documents by the end of the second week of the semester may be administratively dropped from all courses or will be placed on an admissions hold and will not be allowed to register for subsequent semesters until all required documents are received.

Placement scores are required for all associate degree seeking and certificate seeking students prior to registration. Financial aid applications will not be processed if a student is on an admissions hold.

1. Admission to college does not guarantee admission to a specific course or program. Such admission may be dependent upon meeting additional criteria.
2. Students that have a placement score below the scores indicated above have the opportunity to complete a program through the adult education department and retest after improving their Test of Adult Basic Education (TABE) score, or they can retest.
3. Official transcripts bearing the school seal and/or the signature of a school official must be forwarded directly from the sending institution or delivered by the student in a sealed tamper resistant envelope.
4. Immunization records must be signed by a physician or agent of the health department or sent by the secondary school or another college directly to UACCB. In lieu of receiving vaccine, immunity can be shown by providing documented evidence (such as a letter from the Arkansas Department of Health approving serology as proof of immunity) of appropriate serological testing. Proof that the student has applied for or received a medical or non-medical exemption for those vaccines he/she has not received will be accepted in lieu of receiving vaccine.
5. Test scores must either be identified on the official high school transcript, sent directly from the testing agency, presented by the student on official testing agency stock or be a test taken and scored at UACCB or another college.

6. Facsimile (FAX) Transmission or personal e-mail of Admission Documents cannot be accepted as official.
7. Records submitted within the first 30 days of the semester are subject to administrative withdrawal for noncompliance with state statute.

Conditional Admission

A student admitted unconditionally is a student admitted to the institution without requirements, conditions, or restrictions placed on initial enrollment status.

To receive unconditional admissions, the student must have:

1. A public high school diploma, having successfully completed the high school core curriculum, and a minimum composite score of 15 on the ACT OR average of 220 on the Accuplacer.
2. A minimum composite score of 19 on the ACT OR average of 246 on Accuplacer for home school, private school, or parochial school.

All students graduating after May 1, 2002—including graduates of Arkansas public high schools, out-of-state schools, home schools, and private schools, as well as GED recipients—shall be evaluated to determine conditional, unconditional, or conditional-prep admission status.

Act 1290 of 1997 (A.C.A.§ 6-60-208) requires students to have completed the core curriculum or an equivalent standard for unconditional admission to a college.

- A student seeking an Associate of Arts, Associate of Science, or Associate of Arts in Teaching degree who fails to successfully meet standards for unconditional admission will be admitted as a conditional student. The student must complete twelve (12) hours of core academic courses and any necessary remedial courses with a cumulative grade point average of 2.0 within the first 30 semester hours.
- A student seeking an Associate of Applied Science degree who fails to successfully meet standards for unconditional admission will be admitted as a conditional student. The student must complete six (6) hours of core academic courses, and six (6) hours of technical courses required for the Associate of Applied Science degree and any necessary remedial courses with a cumulative grade point average of 2.0 within the first 30 semester hours.
- Students enrolling in non-credit courses, Certificate of Proficiency programs, or Technical Certificate programs are exempt from these requirements. Students who are admitted conditionally and do not earn a 2.0 grade point average and/or do not complete the required coursework by the end of the 30-semester credit hour time

period will be allowed to re-enroll with limited course enrollment until the deficiency is removed.

- Transcripts of out-of-state and private in-state school graduates will be evaluated for meeting the standards of unconditional admission. Those students who do not meet the requirements will be admitted conditionally.
- The Registrar, or their designee, will review applicants' transcripts and scores and inform students of their admissions status prior to enrolling in courses.
- The Registrar, or their designee, will be responsible for admitting students as either conditional or unconditional and will notify conditionally admitted students of the academic requirements and standards they must meet.
- The Registrar, or their designee, will be responsible for monitoring conditionally admitted students' progress toward meeting the required academic requirements and standards.

Immunization Record Waiver

Act 141 of 1987 requires that all entering part-time and full-time students must provide college proof of two (2) measles, mumps and rubella (MMR) immunizations or a positive MMR titer according to the guidelines specified under the admissions requirements unless approved for a waiver based on the following criteria:

- Religious or philosophical reasons
- Medical conditions

To obtain an immunization record waiver, the student may visit the Arkansas Department of Health website at www.healthy.arkansas.gov and complete the online application. Waivers must be renewed each academic year. Immunization records are generally available from the student's family physician, the student's public-school records, or county health departments. Specific programs may require additional immunizations and must be submitted to the program director. Check individual programs for more details.

Selective Service Registration

The Arkansas 81st General Assembly enacted Act 228 of 1997 requiring all persons to register with the Selective Service System in accordance with the provisions of the Military Service Act, as a condition for enrollment in a public institution of higher education.

Applicants are required to certify one of the following:

- The applicant is registered with the Selective Service System.
- The applicant is not required to register with the Selective Service System because of one of the following:

- Under 18 years of age.
- On active duty in the armed forces of the United States, other than a reserve or National Guard unit.
- Female.
- A legal alien.
- A permanent resident of the Trust Territory of the Pacific Islands or the Northern Mariana Islands.
- Excused for another reason provided by federal law.

Nursing Program Applicant Information

All nursing programs at UACCB are selective admission programs and require a separate application and prerequisite completion. For complete information on the application process and requirements for the nursing programs, please visit: www.uaccb.edu/nursing.

New Student Orientation

All new students enrolling are required to participate in New Student Orientation (NSO). Re-admitted students with unsatisfactory academic performance must attend orientation. The following students are excluded from mandatory orientation:

- Non-degree seeking students.
- Visiting Students.
- Students accepted into specialized programs in which orientation is included.

Student Orientation will consist of staff or faculty-led sessions on various topics designed to help the students succeed in combination with an Open House. At Open House students will have the opportunity to meet with faculty in charge of their area of study in either a one-on-one setting or a roundtable setting to discuss the program.

Admission Status Types

First Time Freshman

A student who has completed high school or secondary school and has not taken a college or university course (excluding concurrent high school/college courses) is considered a freshman for purposes of admission and must meet regular admission requirements.

Readmission Student

Students who wish to return to UACCB after an absence of one regular semester (excluding summer terms) must meet the following guidelines:

- Re-apply by completing a new application for admission.
- Have a complete admissions file including official transcripts reflecting any additional credit earned from schools attended during the absence from UACCB.
- Fulfill updated immunization requirements.

High School Concurrent Enrollment

Qualified students are encouraged to enroll in UACCB's Concurrent Enrollment program, which allows high school students to enroll in college classes offered at their respective high school campuses. When a high school student successfully completes a course, UACCB awards and records college credit on an official transcript. Such credit will count towards graduation from UACCB if the course(s) taken is (are) a requirement of the degree program the student seeks. The student may also receive high school credit awarded by his/her high school and apply toward requirements for high school graduation.

A qualified high school student is one who:

- Has successfully completed the eighth grade
- Completes an application for admission
- Submits test scores from the ACT, SAT, Accuplacer, ATLAS, or Classical Learning Test (CLT) tests
- Possesses a high school grade point average no lower than a cumulative 3.0 on 4.0 scale. If the student does not have at least a 3.0 GPA, he or she must have written permission from the high school counselor or principal.
- Meets all placement test score and prerequisite requirements for the course as outlined in the UACCB catalog
- Submits an official, in-progress high school transcript
- Submits an Early College Enrollment Form from the student's high school principal, superintendent, counselor, or career coach (must submit an updated form each semester of enrollment)

- Submits proof of two (2) immunizations against measles, mumps, rubella (MMR)

Academic Standards: Concurrently enrolled students are expected to meet the same standards of achievement as the traditional student body of the institution.

The UACCB Director of Early College Programs is responsible for verification that a high school student is eligible for concurrent enrollment. The Provost and the Chancellor are the only institutional officials authorized to make exceptions to the above requirements.

Secondary Career Center

UACCB has a variety of courses available in the Secondary Career Center (SCC) that high school students can participate in for free. Students may start an SCC program based upon the general high school admissions requirements but still must satisfy all existing placement scores for individual courses.

High School Dual Enrollment

Dually enrolled students are high school students who are enrolled in UACCB classes offered on the UACCB campus directly and not participating in a concurrent or secondary career center program. Dual Enrollment students must meet the same qualifications as Concurrent Enrollment students. Awarding of high school credit for classes successfully completed as a Dual Enrollment student is at the discretion of the student's high school administration. Students and their parents are responsible for paying for these courses.

Academic Standards: Dually enrolled students are expected to meet the same standards of achievement as the traditional student body of UACCB.

Transfer Student

A student that has attended another institution of higher learning and plans to enroll at UACCB is considered a transfer student and must meet regular admission requirements. Students who have completed twelve (12) or more transferable credit hours are waived from having to submit an official high school transcript. Students who have completed transferable college level English and/or math are waived from those testing requirements, respectively.

Transfer students with a cumulative GPA of less than 2.0 may be admitted on academic probation. Transfer students must be eligible to return to the institution from which they are transferring, or the student must have been separated from all academic institutions for at least one semester (excluding summer terms).

Visiting Student

A visiting student is a student seeking a degree at another college or university and is also taking classes at UACCB. The student with this status may take classes at UACCB during a regular semester or summer term. The intent of taking courses at UACCB is to transfer the UACCB academic work back to their home institution. It is the responsibility of the students to verify with their home institution for approval of such course work to be applied toward graduation requirements. Visiting students do not qualify for federal or institutional financial aid and must meet all placement score and prerequisite requirements for courses as outlined in the UACCB catalog. Visiting students must meet the following requirements:

- Submit a UACCB application for admission.
- Submit an immunization record showing two immunizations for measles, mumps, and rubella (MMR).
- A current official transcript from the institution in which they are enrolled full-time.

Non-Degree Seeking Student

A part-time student who does not plan to enroll in a degree or certificate program or who has no plans to transfer credit to another institution may enroll for personal enrichment as a continuing education student. He/she may be admitted upon submission of an application for admission and immunization records without a transcript(s) of previous work and shall be classified as a continuing education student.

Students attending under this designation may not register as full-time students. If a student should later decide to complete a degree or certificate program, he/she must meet all admission requirements. Non-Degree Seeking students do not qualify for federal or institutional financial aid and must meet all placement score and prerequisite requirements for courses as outlined in the UACCB catalog.

International Student

All international students must meet the same admissions criteria as required of U.S. citizens, complete all paperwork required by the U.S. Citizenship and Immigration Services, and provide evidence of adequate financial support prior to being allowed to enroll in classes at UACCB.

Foreign born students must also submit a negative tuberculosis test result from a testing performed within the last six months or appropriate treatment for positive skin test result.

Students from non-English speaking countries are required to submit TOEFL scores (a minimum score of 500 for paper- based exam, a minimum score of 173 for computer based, or minimum 3.5or 61 internet-based Test of English as a Foreign Language TOEFL

exam) or International English Language Testing System (IELTS) scores (minimum score of 5.5), before being unconditionally admitted to the College.

Students who have entered the United States on either a Student Visa (F-1) or a Visitor Visa (B-1 for business or B-2 for pleasure) may not be allowed to enroll in any ESL course receiving public funds. A special provision is made for a student who enters the United States on a visitor visa if that student is the relative of someone who is a permanent resident of the local program's community. In this case, the student may enroll in adult education and literacy classes for the limited time of the person's visitor visa if there is space available in the class.

International students interested in attending UACCB should contact the Welcome Center for more information.

Acceptance of Transfer Credit

Transfer of credit may be accepted from students who provide official transcripts with a current post date from institutions fully accredited by an approved regional accrediting agency or Arkansas Division of Higher Education, if these credits fit the program of studies selected at UACCB and the student received a grade of "C" or higher.

The college will not accept developmental courses for transfer except when the course serves as a prerequisite or for placement. Final approval of transfer credits rests with the Provost.

Transfer credit will be indicated on the student's UACCB transcript; transfer credit is not calculated as a part of the student's cumulative GPA.

Documents received from other institutions are the property of UACCB and cannot be re-issued or copied.

Students transferring from other institutions must meet the general admission requirements of UACCB.

Transfer students seeking a UACCB degree must adhere to the graduation requirements, specifically the completion of a minimum of 25% of credit hours as a student at UACCB towards an associate degree (Associate of Arts, Associate of Science, or Associate of Applied Science), Certificate of General Studies, Technical Certificate, or Certificate of Proficiency.

Students may submit course descriptions, course outcomes, and/or syllabi of transfer courses if there is any question concerning the acceptance of credits. The college reserves the right to revise any credit awards upon receipt of additional information.

Arkansas Course Transfer System (ACTS)

The Arkansas Course Transfer System contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and equitable treatment in the application of credits for the admissions and degree requirements. Course transferability is not guaranteed for courses listed in ACTS as "No Comparable Course." Additionally, courses with a "D" frequently do not transfer, and institutional policies may vary. ACTS may be accessed by going to the ADHE website Course Transfer page.

Reverse Transfer Process

The purpose of this procedure is to outline the process for students to receive reverse transfer credit. This reverse transfer credit procedure allows students to transfer credit back to UACCB from another regionally accredited 2-year or 4-year college or university to satisfy remaining requirements to complete a UACCB credential. Students must meet all graduation requirements as set forth in the Academic and Student Responsibility section of the UACCB College Catalog to be eligible for graduation.

Identification of Reverse Transfer Candidates and Eligibility

The University of Arkansas Community College at Batesville may acquire lists of students eligible for reverse transfer the following ways:

- Student tracker lists generated through the National Student Clearinghouse; or
- Lists of potentially eligible students provided by other Arkansas public 2-year or 4-year colleges or universities; or
- Lists provided by the Arkansas Department of Higher Education; or
- Any new delivery system developed in accordance with the appropriate institution, coordinating, or governing body.

In addition, all students eligible for reverse transfer must have satisfied the following:

- Complete any remaining requirements for graduation; and
- Ensure reverse transfer credit aligns with the standards for evaluation and transcription established in the UACCB College Catalog.

Submission of Documents and Consent to Participate

To complete the reverse transfer process, students must submit the following information to the Registrar's Office prior to consideration:

- An official transcript for all college work being reviewed;
- Consent or confirmation of participation in the reverse transfer process.

Basic Skills Requirements

Arkansas state law requires that all students enrolling in state supported colleges and universities must demonstrate mastery of basic skills in English, reading, and mathematics.

All basic skills courses must be completed with a grade of "C" or better before a student can complete an associate degree or technical certificate program. Students who are admitted to UACCB but who score below established levels on the placement tests, as described in the Placement Policy, will be required to successfully complete basic skills courses.

Basic skills and/or preparatory courses may not be used to fulfill any degree/technical certificate or elective course requirement in a program of study.

Satisfactory Completion of Basic Skills

Satisfactory completion of basic skills courses requires the student to earn a grade of "C" or better. Students who do not successfully complete basic skills courses will be required to re-enroll in those courses.

Students must be on track to complete basic skills requirements within the first 30 hours of coursework. If, at the end of that time period, the student has not completed all basic skills course requirements, he/she will not be allowed to enroll in any other course until the requirements have been met.

Placement Policy

The purpose of this policy is to identify the process by which students are placed in the appropriate level English, reading, and mathematics courses. Arkansas state law requires that all first-time entering degree or technical certificate-seeking students demonstrate proficiency in these areas or be placed in courses/programs that will help students prepare for college-level coursework. The minimum test scores used for placement were established by the Arkansas Division of Higher Education. A student may retest on one or more sections of a placement exam after a minimum of 14 days in order to allow time for the person to study before attempting the exam again. Placement score requirements are as follows:

Reading Course Placement

Course	ACT Reading	Accuplacer Next Generation Reading	GED Reasoning Through Language Arts	ATLAS English Language Arts (ELA 10)*
College Level Courses	19-36 Or 13-18 with Approved High School GPA[1]	237-300	Minimum of 165[2]	1073 or higher
Integrated Reading and Writing	0-18	200-236	Minimum of 165[2]	1042 or higher

[1]High School Cumulative GPA of 3.25 or higher AND a grade of "B" or higher in English 12 (413000) or higher-level English course; or English 10 and 11 sequence completed with a "C" or better; or English 9 and 10 sequence completed with a "B" or better.

[2]Alternate placement examination scores required if not 165.

*ATLAS based placement limited to concurrent or dual enrollment students only.

Students who test into Integrated Reading and Writing must enroll in the course during their first or second semester in college and each subsequent semester, if necessary, until the course is completed with at least a grade of "C."

Integrated Reading and Writing is a prerequisite for English Composition I for students who score below 19 on the ACT Reading or below 237 on the Accuplacer Next Generation Reading, unless the student meets the high school GPA requirements. Students must successfully complete Integrated Reading and Writing with a "C" or better to enroll in English Composition I when test scores require.

English Course Placement

Course	ACT English and Reading	Accuplacer Next Generation Writing & Reading	GED Reasoning Through Language Arts	ATLAS English Language Arts (ELA 10)*
College Level (English Composition I)	19-36 in English Or 13-18 in English with Approved High School GPA[3] AND 19-36 in Reading Or 13-18 in Reading with Approved High School GPA[3]	250-300 in Writing AND 237-300 in Reading Or 220-236 in Reading with Approved High School GPA[3]	Minimum of 165[4]	1073 or higher
English Composition I with Writing Studio	16-18 in English AND 16-18 in Reading	237-249 in both Writing & Reading	Minimum of 165[4]	1060 or higher
Integrated Reading and Writing	0-15 in English AND 0-15 in Reading	200-236 in both Writing & Reading	Minimum of 165[4]	1042 or higher
Technical Writing for the Workplace	16 or higher in English AND 16 or higher in Reading	237 or higher in both Writing & Reading	Minimum of 165[4]	1060 or higher

[3]High School Cumulative GPA of 3.25 or higher AND a grade of "B" or higher in English 12 (413000) or higher-level English course.

[4]Alternate placement examination scores required if not 165.

*ATLAS based placement limited to concurrent or dual enrollment students only.

Math Course Placement

Course	ACT Math	Accuplacer Next Generation Quantitative Reasoning, Algebra, and Statistics (QAS)	GED Mathematical Reasoning	ATLAS Mathematics*
College Algebra (College Level)	19-36 Or 13-18 with Approved GPA[5]	264-300	Minimum of 165[6]	1069 or higher in Algebra I Or 1068 or higher in Geometry
College Algebra with corequisite Math Skills	16-18	249-263	Minimum of 165[6]	1060 or higher in Algebra I Or 1060 or higher in Geometry
Quantitative Literacy (College Level)	19-36 Or 13-18 with Approved High School GPA[5]	264-300	Minimum of 165[6]	1069 or higher in Algebra I Or 1068 or higher in Geometry
Quantitative Literacy (College Level) with corequisite Math for Life	16-18	249-263	Minimum of 165[6]	1060 or higher in Algebra I Or 1060 or higher in Geometry
Technical Math	16 or higher	249 or higher	Minimum of 165[6]	1060 or higher in Algebra I Or 1060 or higher in Geometry
Math for Healthcare Professions	16 or higher	249 or higher	Minimum of 165[6]	1060 or higher in Algebra I Or 1060 or higher in Geometry

Course	ACT Math	Accuplacer Next Generation Quantitative Reasoning, Algebra, and Statistics (QAS)	GED Mathematical Reasoning	ATLAS Mathematics*
Essentials of Math	12-15	220-248	Minimum of 165[6]	1048 or higher in Algebra I Or 1049 or higher in Geometry

[5]High School Cumulative GPA of 3.25 or higher AND a grade of "B" or higher in Algebra II (432000) or higher-level math course.

[6]Alternate placement examination scores required if not 165.

*ATLAS based placement limited to concurrent or dual enrollment students only.

Additional Placement Support

UACCB has a free Adult Education Program available to improve basic skills.

Tuition and Fees

When a student registers for classes, a bill will be generated. The student is responsible for payment of this bill within the time schedule set in the academic calendar. In some cases, the payment will be due at the same time a student registers for classes.

Any financial aid for which a student may qualify will first be applied as payment or partial payment for this bill. In some cases, the student may receive a refund later in the semester. Other payment options include cash, check, money order, credit card and installment plan.

Questions regarding payment should be directed to the Business Office. If payment arrangements are not made prior to the due date, late payment fees may apply.

A student's residency status for tuition purposes is determined at the time of admission according to the policy established by the University of Arkansas Board of Trustees. "In-district" residents are legal residents of Independence County. The student shall be admitted to UACCB as "in-state" for fee purposes if, at the time of admission, they have established a bona fide domicile in Arkansas and have resided continuously in this state in that bona fide domiciliary status for at least six consecutive months prior to the beginning of the term or semester for which fees are paid.

Tuition

Residential Status	Per Credit Hour Fees
In-District Residents*	$95.00
Out-of-District Residents	$112.00
Out-of-State Residents	$143.00

*Legal Residents of Independence County

Required Fees

Fee Name	Per Semester Fee
Administrative Services Fee	$16.00
Fee Name	**Per Credit Hour Fee**
Academic Support Fee	$8.00
Student Activity/Wellness Fee	$7.00
Safety Fee	$16.00
Technology Fee	$36.00

Program and Course Specific Fees

Fee Name	Per Credit Hour Fee	Frequency
Agriculture Fee	$50.00	Per Course
CDL Program Fee	$1,250.00	Per Course
Certified Nursing Assistant/Health Skills	$130.00	Per Course
Chemistry Lecture Fee	$50.00	Per Course
Cosmetology Fee	$750.00	Per Course
Cybersecurity Course Fee	$80.00	Per Course
Education and Early Childhood Fee	$50.00	Per Course
EMT and Paramedic Fee	$250.00	Per Course
FARM Program Fee	$500.00	Per Semester
Heavy and Compact Equipment Operation Fee	$250.00	Per Course
Industrial Technology Fee	$50.00	Per Course
Internship Course Fee	$50.00	Per Course
Math for Healthcare Professions Fee	$125.00	Per Course
Phlebotomy Fee	$275.00	Per Course
PN Nursing Fee	$865.00	Per Semester
RN Nursing Fee (Traditional)	$1,300.00	Per Semester
RN Nursing Fee (LPN to RN)	$1,900.00	Per Semester
Science Lab Fee	$80.00	Per Lab Course
Simulation Fee for CNA, Phlebotomy, RN, PN, EMT, and Paramedic	$89.00	Per Semester
Welding Fee	$80.00	Per Course

Nursing Fees include: ATI, Drug Testing, Compliance Management, Background Check, Liability Insurance, and Nursing Pin. Pearson Vue NCLEX - Perkins will fund the first attempt for all students if taken within 45 days of graduation.

EMT/Paramedic fees include: Clinical Schedule tracker, EMT Testing, Drug Testing, Compliance Management, and Background Check.

Miscellaneous Fees

Fee Name	Per Credit Hour Fee	Frequency
Accuplacer Examination Fee	$30.00	Per Occurrence
Credit by Examination Testing Fee	$25.00	Per Occurrence
Diploma Replacement Fee	$15.00	Per Occurrence
ID Replacement Fee	$10.00	Per Occurrence
Late Payment Fee	$30.00	Per Occurrence
Non-Student Proctoring Fee	$30.00	Per Occurrence
Prior Learning Assessment Portfolio Review Fee	$125.00	Per Occurrence
OSHA 10 Fee	$60.00	Per Test
OSHA 30 Fee	$160.00	Per Test
Returned Check Fee	$25.00	Per Occurrence

Refund Policy

Failure to attend class does not constitute withdrawal. The appropriate withdrawal process must be followed. Failure to withdraw from classes appropriately may result in owing the college and/or federal government repayment of funds. Class days are identified on the academic calendar.

Members of the military who receive orders which transfer them out of the area for a prolonged period or members of the National Guard or Reserves who are called to active duty, when such transfer interferes with class attendance, may request a full refund of tuition at any time during the semester. Documentation of orders for transfer must be provided prior to refund being granted. The College has a proration refund policy for students receiving VA benefits. Students receiving VA benefits must request that the prorated refund policy be used for tuition reimbursement.

The college refund policy is subject to change if required by federal regulation or the University of Arkansas Board of Trustees. Appeals of the refund policy must be submitted in writing to the UACCB Administrative Cabinet.

There is a 100% refund for any class dropped up to the posted census day on the Academic Calendar. Any withdrawal after the posted census date for a term will not receive a refund.

Tuition Waiver Policy

Tuition Waivers for credit classes may be granted for course work at UACCB. Proper documentation must be submitted to qualify for the waiver. The following students are eligible for tuition waivers.

Senior Citizen Waivers

Tuition for students age 60 and older is waived. Individuals under this policy must pay all miscellaneous fees that may be required. Enrollment with the senior citizen waiver is limited to a "space available" basis. Tuition waivers do not apply to online courses or competitive admission programs. Examples of competitive admission programs include Registered Nursing, Practical Nursing, and Cosmetology.

Children of Policemen and Firemen Killed or Permanently Disabled in the Line of Duty

Children of policemen or firemen killed or permanently disabled in the line of duty in Arkansas are eligible for waivers of tuition. Benefits are limited to a

duration of four years or until the age of 25, whichever comes first. Tuition waivers do not apply to online courses.

Full-Time Employees and Their Dependents

Tuition remission for full-time employees of the University of Arkansas Community College at Batesville and members of their immediate family may be granted in accordance with UA Board Policy 440.1 and Administrative Memorandum 445.1. "Immediate family" is defined as spouses and dependent children. Dependency must meet the definition of dependency established by the current year Internal Revenue Service regulations.

State Police Officers and Their Dependents (Act 291 Of 2007)

Tuition remission for certain police officers and their dependents in accordance with Act 291 of the 86th General Assembly of the State of Arkansas. Covered police officers include all of whom have been employed by these agencies for ten (10) or more years:

- Any employee of the Department of Arkansas State Police who holds the rank of state trooper or a higher rank;
- Any highway police officer who is an employee of the Arkansas Highway Police Division of the Arkansas State Highway and Transportation Department;
- Any officer of the State Capitol Police; or,
- Any wildlife officer of the Arkansas State Game and Fish Commission.

This does not include civilian employees or a person temporarily employed as a covered police officer due to an emergency situation. Dependent means any natural child,

stepchild, or adopted child of a covered police officer and any individual of whom a covered police officer is the legal guardian. Allowance of tuition waivers is dependent upon the decision of the covered police officer's employer and is subject to guidelines as set forth by the employer.

Military Waiver (Act 1011 of 2013)

Arkansas National Guard Soldiers and Airmen may be eligible for National Guard Tuition Assistance (NGTA). Please contact UACCB's Veterans' Affairs Representative for more information.

Fees For Members of Armed Forces, Veterans, and Dependents

To be compliant with requirements of 38 U.S.C. 3679 as amended, the following individuals shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes:

- A veteran who was honorably discharged or released from a period of not less than ninety (90) days of active duty in the military, naval, or air service within three (3) years before the date of enrollment in a program of study.
- A dependent or spouse[1] of a veteran under paragraph 1.
- A member of the armed forces.
- A dependent of a member of the active-duty armed forces, when the member of the armed forces:
    - is stationed in the State of Arkansas pursuant to permanent change of station (PCS) military orders;
    - is continuously domiciled in Arkansas for at least six consecutive months before entering active military service and who maintains Arkansas as the permanent home of record while on active military duty; or,
    - demonstrated a change of bona fide domicile from another state to Arkansas at least twelve consecutive months prior to separation, discharge, or retirement from active military duty. This provision is forfeited if the military personnel does not return to Arkansas within 36 months after separation, discharge, or retirement from active duty.
- A veteran using education assistance under either Chapter 30 (Montgomery GI Bill®— Active Duty Program) or Chapter 33 (Post-9/11 GI Bill®), of Title 38 of the United States Code, who lives in the State of Arkansas while attending a school located in the State of Arkansas (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge from a period of active duty service of 90 days or more.

- A spouse or child using transferred Post-9/11 GI Bill® benefits (38 U.S.C. §3319) who lives in the State of Arkansas while attending a school located in the State of Arkansas (regardless of his/her formal state of residence) and enrolls in school within three years of the transferor's discharge from a period of active duty service of 90 days or more.
- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. §§3311(b)(9)) who lives in the State of Arkansas while attending a school located in the State of Arkansas (regardless of his/her formal state of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.
- A person who initially met the requirements set forth in paragraphs 6,7, or 8 will maintain "covered individual" status as long as he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school even if he or she is outside the three-year window or enrolls in multiple programs. For purposes of a student who is eligible for in-state tuition solely under sections 6,7, or 8 above, that person must have enrolled in the school prior to the expiration of the three year period following discharge or death described above in sections 6,7, or 8 and must be using education benefits under either Chapter 30 or Chapter 33 of Title 38 of the United States Code.
- A member of the armed forces or "covered individual" as identified in Section 702 of the Veterans Access, Choice and Accountability Act of 2014.
- In accordance with Title 38 US Code 3679©, this educational institution adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post9/11 GI Bill® (Ch. 33) or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from VA. This educational institution will not:
    - Prevent the student's enrollment
    - Assess a late penalty fee to the student
    - Require the student to secure alternative or additional funding
    - Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution

However, to qualify for this provision, such students may be required to:

- Produce the VA Certification of Eligibility (COE) by the first day of class
- Provide a written request to be certified

- Provide additional information needed to properly certify the enrollment as described in other institutional policies

[1] For the purpose of this policy, dependents are unmarried children who are legal dependents of the military person as defined by the IRS.

Financial Aid

Eligibility and Application for Federal Financial Aid Programs

A student is eligible to apply for financial assistance through Title IV programs (Federal Pell Grant, Federal Supplemental Education Opportunity Grant, Federal Direct Loan, Federal Plus Loan, or Federal College Work Study) if the following criteria are met:

- The applicant completes the Free Application for Federal Student Aid (FAFSA). Students must complete the FAFSA each year.
- The applicant is a U.S. citizen or an eligible non-citizen.
- The applicant is an unconditionally admitted student enrolled at UACCB.
- The applicant is seeking an associate degree or eligible certificate-granting program
- The applicant maintains Satisfactory Academic Progress.
- The applicant is not in default on a Guaranteed Student Loan (GSL) and/or does not owe a repayment to a Title IV program at any institution.

How to Apply for Federal Financial Aid Programs

Students must complete and submit a Free Application for Federal Student Aid (FAFSA) each year to apply for federal student financial aid and to apply for most state and college aid. This application is used to determine eligibility for Financial Aid Programs.

To apply for financial aid, complete the FAFSA online at www.studentaid.gov. The Federal School code for UACCB is 014042. Certain types of aid are awarded on a first-come, first-served basis to those demonstrating need. All participants are encouraged to apply as early as possible.

Federal Financial Aid Programs

The Free Application for Federal Student Aid (FAFSA) must be processed to determine eligibility for the following federal financial aid programs:

Federal Pell Grant

A Federal Pell Grant is awarded to help undergraduate students pay for their education after high school. In compliance with the Federal Pell Grant Program, an undergraduate is one who has not earned a bachelor's or professional degree. This grant program provides a "foundation" of financial aid for many students to which aid from other federal sources may be added. Unlike loans, grants do not have to be repaid. The amount awarded will depend

on the Student Aid Index (SAI), on the cost of education, enrollment status, and whether attendance is for a full academic year or less.

Federal Supplemental Education Opportunity Grant

The FSEOG is a grant intended to supplement other aid received. These grants are federally funded with each school receiving a fixed amount each year. Therefore, funds are awarded to a limited number of undergraduate students with exceptional financial need. FSEOG awards do not have to be repaid and usually range from $400 to $600 per academic year depending on the availability of funds.

Federal Direct Loan

The Federal Direct Loan (can also be a Stafford Loan) is available through the William D. Ford Direct Loan Program to help students pay for their college education. There are two types of Direct loans, subsidized and unsubsidized.

Eligibility for subsidized loans is based on financial need as determined by federal guidelines. The federal government pays the interest for subsidized loans while the student is enrolled at least half time and during the six-month grace period after the student ceases attendance on at least a half-time basis.

With an unsubsidized loan, the student is responsible for all interest that accrues while attending school and during the six-month grace period. A student may choose to pay only the interest portion while in school, which would keep the loan balance at principal. If a student chooses to defer such payments, the interest will be capitalized, resulting in an increase in both total debt and the amount of monthly payments. Loan repayment begins six months after the student graduates or ceases to be enrolled at least half-time.

All borrowers must complete Online Entrance Counseling and a Master Promissory Note prior to the first loan disbursement. All borrowers must also complete Online Exit Counseling upon graduation or termination of enrollment. All federal loan funds must be repaid according to the terms specified in the master promissory note.

Federal Parent Plus Loan

Federal Parent Plus loans enable parents of dependent students to borrow a variable rate, low-interest loan for each child who is enrolled at least half-time. Parents must pass a credit check with the US Department of Education to be eligible. Parents may borrow up to their student's total cost of attendance less other financial aid received. The total cost of attendance is determined by the Office of Financial Aid based on an average cost for tuition, books, room and board, travel, and miscellaneous expenses for the academic year.

Generally, repayment begins within 60 days after the final loan disbursement is made to the borrower.

Officers, employees and agents of UACCB are prohibited from making revenue-sharing arrangements with any lender; directing borrowers to particular lenders or delaying loan certifications; and making offers of funds for private loans to students in exchange for providing concessions or promises to the lender for a specific number of FSA loans or private education loans, a specified loan volume, or a preferred lender arrangement.

Employees of the Financial Aid Office are also prohibited from receiving gifts from a lender, guaranty agency, or loan servicer. This includes gifts given to their family members, or any other individual, if there is reason to believe the gift was knowingly given because of the official position of the agent.

The code of conduct also prohibits Financial Aid Office staff (or other employees or agents with responsibilities with respect to education loans) from accepting compensation for any type of consulting arrangement or contract to provide services to or on behalf of a lender relating to education loans; and service on an advisory board, commission, or group established by lenders or guarantors, except for reimbursement for reasonable expenses.

Federal Work Study

The federal work study program provides jobs for students who qualify and who need an income supplement to help pay college expenses. Federal Work Study is determined based on financial need. The hourly wage will be at least the current federal minimum wage, and earnings are dependent on the number of hours worked each week.

Students may work up to 20 hours per week dependent on eligibility and are paid on a bi-monthly basis. Employment is primarily on campus clerical work with some off campus community service opportunities available.

To apply, contact the Financial Aid Office to determine eligibility.

Veterans' Affairs

Military service veterans and the sons, daughters, husbands, wives, widows, or widowers of deceased or 100% disabled veterans may be eligible to receive benefits from Veterans' Affairs. For more information call the Department of Veterans' Affairs at 888-442-4551 or go online at va.gov. UACCB's Veterans' Affairs representative is available in the Welcome Center.

State Funded Financial Aid Assistance

The Arkansas Department of Higher Education administers financial aid programs that are available to eligible students in the state of Arkansas. For more information on the Arkansas Department of Higher Education programs visit www.sams.adhe.edu.

- AR Future Grant
- Arkansas Academic Challenge Scholarship
- ACCESS to Acceleration (A2A) Scholarship
- Arkansas Health Education Grant Program
- Arkansas Workforce Challenge
- Governor's Distinguished Scholarship
- Law Enforcement Officers' Dependents Scholarship
- Military Dependents Scholarship

Additional Financial Aid Resources

- Arkansas Career Pathways
- Arkansas Single Parent Scholarship

Workforce Investment Opportunity Act

North Central WIOA can offer tuition assistance, work experience, on-the-job training, and supportive services to eligible participants. To see if you qualify, please complete the online application at www.ncaworks.com.

Stacking of Financial Aid

UACCB award packaging is based on the following order:

1. Non-federal aid (external) awards, adjusted to ensure the student's financial need is not exceeded. It is possible that the student will receive a scholarship(s) or other non-adjustable aid that exceeds the student's need. In this case, they will be ineligible for a Pell Grant based on their cost of attendance.
2. The Arkansas Academic Challenge Scholarship.
3. Other state scholarships, excluding the Arkansas Future Grant Program, Arkansas Teacher Academy Scholarship Program, Arkansas National Guard Tuition Waiver Program, and institutional aid.

4. Pell Grants and Federal Student Aid (FSA) funds, with payment schedules determined by the student's cost of attendance, Student Aid Index (SAI), and enrollment status.
5. Campus-based aid, determined by evaluating all other received and anticipated assistance (grants, scholarships, loans, and need-based employment).
6. Subsidized and unsubsidized Stafford Loans, based on the student's remaining eligibility.

Revisions in Financial Aid

Financial aid recipients may experience changes, cancellation, or revisions in their financial aid packages due to any of the following reasons:

- Additional outside aid becomes available
- A change in the family's financial circumstances
- A change occurs in the student's enrollment status
- Failure to meet Satisfactory Academic Progress Policy
- Financial aid administrator becomes aware of conflicting information

It is the student's responsibility to notify the Financial Aid Office of changes that may affect the student's eligibility.

Federal regulations allow a UACCB Financial Aid Administrator to make limited exceptions or adjustments to the information reported on a student's Free Application for Federal Student Aid (FAFSA). Exceptions are considered on a case-by-case basis with supporting documentation of special (financial) or unusual (dependency) circumstances.

Examples of special circumstances that might include significant changes in income:

- *Involuntary* loss of income due to reduced hours or shutdowns;
- Loss of income due to disability;
- Change in financial situation due to separation or divorce;
- Death of custodial parent;
- Death of spouse for independent undergraduate student;
- Significant medical or dental expenses not covered by insurance.

The Financial Aid Administrator also has authority on a case-by-case basis and with adequate documentation to change a student's status from dependent to independent when there are unusual circumstances that result in the dissolution of the family unit.

The following are examples of circumstances that may be considered for a dependency override:

- An abusive family environment;
- Abandonment and/or estrangement by parents;
- Incarceration or institutionalization of both parents;
- Parents cannot be located.

The following circumstances *do not* merit a dependency override, either alone or in combination:

- Parents refuse to contribute to the student's education;
- Parents are unwilling to provide information on the application or for verification;
- Parents do not claim the student as a dependent for income tax purposes;
- The student demonstrates total self-sufficiency.

Dependency overrides are rare and documentation is essential. Among other information, a student will need to provide documentation from an independent third party such as doctors, social workers, clergy, police, etc.

The UACCB Financial Aid Administrator does not have the authority to change the need analysis formula or to make direct adjustments to the Student Aid Index (SAI), though adjustments to the inputs to the formula may be made. Adjustments are not guaranteed, and decisions cannot be appealed to the Department of Education. If a student has a 0 or negative Student Aid Index (SAI), adjustments to reduce income are not necessary or beneficial for increasing federal grant eligibility as an SAI of 0 qualifies a student for the maximum Federal Pell Grant. A special or unusual circumstance form can be obtained from a Navigator/Advisor or a Financial Aid Representative.

Return to Title IV Funds (R2T4)

When a student withdraws from all courses before completing more than 60% of a semester, the Financial Aid Office must perform a Return to Title IV (R2T4) calculation. This process determines the percentage of federal aid "earned" based on the time spent in attendance. Any "unearned" aid must be returned to the U.S. Department of Education by the school and/or the student.

Determining the Withdrawal Date

The withdrawal date is used to calculate the percentage of the period completed. This date is determined based on the type of withdrawal:

- Official Withdrawal: The date the student notifies the Registrar's Office of their intent to withdraw or the date the formal process begins.
- Unofficial Withdrawal: If a student ceases attendance without notice, the withdrawal date is the mid-point of the semester or the last date of a student's known attendance, whichever provides a more accurate representation of the student's attendance.
- Administrative Withdrawal: The date the institution terminates the student's enrollment due to a violation of institutional policy.

Note for Unofficial Withdrawals: Students who receive all failing grades (F) are reviewed for unofficial withdrawal. If a student can provide documentation of academic activity beyond the mid-point, the R2T4 calculation may be adjusted to reflect the later date.

Calculating Earned versus Unearned Aid

The amount of Title IV assistance earned is calculated as follows:

Percentage of Period Completed = Calendar Days Completed / Total Calendar Days in Period

Order of Return

In accordance with federal regulations, unearned funds are returned to the following programs in this specific order:

1. Unsubsidized Direct Loans
2. Subsidized Direct Loans
3. Direct PLUS Loans (Graduate or Parent)
4. Federal Pell Grants
5. Federal Supplemental Educational Opportunity Grants (FSEOG)
6. Other Title IV assistance

Satisfactory Academic Progress Policy

All students enrolled at UACCB who receive any Title IV aid should meet the following Satisfactory Academic Progress (SAP) requirements. Satisfactory academic progress is required for all students who receive any type of financial assistance (institutional, state or federal) administered by UACCB. Students' academic progress will go through a review at the conclusion of each semester of each school year and/or during the application process. Transfer work will be evaluated in the same manner as credit hours received at UACCB.

- Students must be admitted and enrolled in an associate degree or eligible certificate-granting program.
- Each semester, students must also complete a minimum of 67% of cumulative attempted hours. Completed credits include grades of A, B, C, D, and P (Pass).
    - For example, the maximum time frame for a 60-hour credit program is 90 hours. 60 divided by 90 is 67%. If a student earns 67% of the credits attempted in each term, the student should complete the program within the maximum time frame. If the student takes 12 credit hours in the fall and earns 12 credit hours, the student has earned 100% of credits attempted. In the spring, the student enrolls in 18 credit hours and earns 15 credit hours. He/she has earned 27 out of 30 attempted hours. 27 divided by 30 is a pace of 90%.
- Withdrawal from UACCB and/or receiving a 0.00 GPA for a semester are viewed as unsatisfactory progress, and those students will be placed on financial aid suspension. Students who withdraw from classes or drop classes will have those courses counted as attempted credits but not completed credits. (The completion of remedial courses is considered in the 67% attempted/completion standard above.)
- Incomplete coursework will be evaluated as failing grades until the course has been satisfactorily completed or an explanation has been accepted by the Financial Aid Director. Incomplete courses are considered as attempted credit and are evaluated as incomplete coursework for Satisfactory Academic Progress. Incomplete courses are not considered as part of a student's GPA but will be considered as part of the overall timeframe to complete a program of study. The grade "I" should only be assigned when a student has not completed a significant component of a course (i.e. an exam, paper or project) and the student has a valid rational for this failure. A student receiving an "I" must meet with his/her instructor and contractually make arrangements to complete the course requirements no later than the end of the next regular semester (fall or spring). The student should maintain a copy of this contract

for reference. The instructor, division chair, and the Director of Student Information/Registrar will also keep copies of the contract. Faculty members will submit the grade by the end of the next regular semester following the one in which the "I" designation was received. The College will change the "I" designation to a grade of "F" if a grade is not assigned within the specified time period. A student may petition for an extension not to exceed one year because of extenuating circumstances. A written request by the student should be submitted to and approved by the Vice Chancellor for Academics. Students may not re-register to take a course for which an "I" designation has been received until the grade designation has been changed.

- Students must achieve an overall cumulative 2.0 GPA at the end of each semester to maintain Satisfactory Academic Progress.
- If a student changes his/her program of study while attending UACCB, he/she should notify the Financial Aid Office. All credits under all programs of study will be included in the calculation of attempted, earned, and maximum timeframe credits, as well as the cumulative GPA calculation. If a student continues to take classes toward a second degree, after completing all required coursework for a first degree, the student may continue to receive financial aid as long as he/she meets the 150% timeframe and GPA requirements for the second degree. Students pursuing a second undergraduate degree or certification will need to submit a degree plan approved by their academic advisor indicating the required courses. If approved by the Financial Aid Office, a new maximum time frame will be established for that pursuit.
- If a student repeats courses, all attempted credits for each attempt will be considered as part of the calculation for attempted and earned credits. Only the most recent attempt of the course will be considered as earned credit, providing the student completes the course. Repeated courses will not be considered as part of the student's GPA for the purposes of Satisfactory Academic Progress evaluation. For a student who is eligible for financial aid, only the first two attempts of a course will be funded.
- Remedial courses taken while receiving financial aid are considered as attempted credit hours and are evaluated as part of the calculation for PACE (Path to Accelerated Completion and Employment). Additionally, remedial courses are considered credit courses and will be evaluated as part of the student's GPA.
- If a student does not make satisfactory progress he/she will be placed on Financial Aid Warning. The student may continue to receive Title IV aid for the following semester. No appeal is necessary.

- If the student makes satisfactory progress by the end of the warning semester, the warning status will be removed. If the student does not make satisfactory progress, the student will be placed on financial aid suspension.

Financial Aid Suspension Appeal Process

- The student may submit a written appeal of financial aid suspension to the UACCB Financial Aid Office if extenuating circumstances exist. Examples of extenuating circumstances may include death of a relative or student injury/illness. The appeal must include why the student failed to make satisfactory progress and what has changed that will allow the student to make satisfactory progress at the next evaluation. The appeal may be approved with one of the following status definitions:
    - Probation: With this status, the student would be eligible for Title IV aid for one additional semester only. If the student does make satisfactory progress at the end of the Probation semester, his status will be updated to Satisfactory. If the student does not make satisfactory progress, the student's financial aid will be placed in a Terminated status with no further avenue for appeal.
    - Academic Plan: With this status an individualized academic plan would be developed for the student that will allow the student to make Satisfactory Academic Progress standards by a specific point in time. Examples of academic plan requirements may include, but are not limited to, regularly scheduled meetings with an academic advisor, minimum number of visits to the Student Success Center, and financial literacy workshops. At the conclusion of the Academic Plan, if the student has made satisfactory progress, his/her status will be updated to Satisfactory. If the student has not made satisfactory progress, the student's financial aid will be placed in a Terminated status with no further avenue for appeal.

Financial Aid Student Grievance Policy

ADHE requires the certified institution to make a decision about the student grievance following the institution's public policy. Inquiries into student grievances must be limited to AHECB certified (under Arkansas Code §6- 61-301) courses/degree programs and institutions and to matters related to the criteria for certification. Within 20 days of completing the institution's grievance procedures, the student may file the complaint in writing with the ICAC Coordinator, Arkansas Department of Higher Education, 114 East Capitol, Little Rock, AR 72201. The grievant must provide a statement from the institution

verifying that the institution's appeal process has been followed. ADHE will notify the institution of the grievance within 15 days of the filing. Within 10 days after ADHE notification, the institution must submit a written response to ADHE. Other action may be taken by ADHE as needed.

UACCB Institutional Scholarships

UACCB scholarships are administered according to college guidelines and awarded only to students who have applied for admission to UACCB. All scholarships are awarded based upon the availability of funds. The application priority deadline is July 1. To qualify students must be first time entering college students. Scholarships and requirements are outlined below:

Scholarship	Eligibility Requirements	Award Amount	Continuing Eligibility Requirements	Renewal
Chancellor's Scholarship	Composite ACT of 27 Or Accuplacer average of 275 Or GED of 175	$3,000 for the academic year ($1,500 in fall, $1,500 in spring)	12 credit hours completed each semester AND 2.5 GPA minimum cumulative GPA	Renewable for 3 consecutive semesters
Academic Excellence Scholarship	Composite ACT of 23 Or Accuplacer average of 266 Or GED of 165	$2,500 for the academic year ($1,250 in fall, $1,250 in spring)	12 credit hours completed each semester AND 2.50GPA minimum cumulative GPA	Renewable for 3 consecutive semesters
Academic Distinction Scholarship	Composite ACT of 19 Or Accuplacer average of 246 Or GED of 155	$2,000 for the academic year ($1,000 in fall, $1,000 in spring)	12 credit hours completed each semester AND 2.50 minimum cumulative GPA	Renewable for 3 consecutive semesters

Scholarship	Eligibility Requirements	Award Amount	Continuing Eligibility Requirements	Renewal
Achievement Scholaship[1]	Arkansas Scholar Or First place Skills USA Or HOSA State Officer Or Valedictorian or Salutatorian	$1,000 for the academic year ($500 in fall, $500 in spring)	12 credit hours completed each semester AND 2.50 minimum cumulative GPA	Renewable for 3 consecutive semesters

[1]Achievement scholarship recipients must be first time entering students in the first semester following high school graduation.

Early College Advantage
Students who have taken 12 hours of college credit or completed a Certificate of Proficiency while in high school (as a concurrent or dual enrollment student) are eligible for an additional $500 scholarship a year, for up to two years. Students must complete 12 credit hours each semester and maintain a 2.50 minimum cumulative GPA.

Early College Advantage Plus
Students who have taken 24 hours of college credit or completed a Technical Certificate while in high school (as a concurrent or dual enrollment student) are eligible for an additional $1000 scholarship a year, for up to two years. Students must complete 12 credit hours each semester and maintain a 2.50 minimum cumulative GPA.

Adult Education Advantage
Students who have taken 12 hours of college credit or completed a Certificate of Proficiency while participating in an Adult Education Integrated Education and Training (IET) are eligible for an additional $500 scholarship a year, for up to two years. Students must complete 12 credit hours each semester and maintain a 2.50minimum cumulative GPA.

Adult Education Advantage Plus
Students who have taken 24 hours of college credit or completed a Technical Certificate while in Adult Education Integrated Education and Training (IET) are eligible for an additional $1000 scholarship a year, for up to two years. Students must complete 12 credit hours each semester and maintain a 2.50 minimum cumulative GPA.

Public Service and Safety Scholarship

Eligible professionals whose work regularly places them in hazardous or high-risk situations in service to the public are individuals working full-time as one of the following:

- A law enforcement officer
- A firefighter
- An emergency medical technician or emergency medical services personnel
- A state, county, or city highway or road department employee
- A state or county correctional officer employee
- A Division of Community Correction employee
- A state parks employee
- A state forestry employee

Eligible professionals need to provide proof of full-time employment to the UACCB Welcome Center prior to the start of their first applicable term to receive this award. Proof of eligibility must be confirmed each new academic year. Eligible professionals must complete the standard admissions process and be enrolled. Scholarship amounts are adjusted by hours enrolled as outlined below. Students can alternate between enrolled credit hour amounts as long as a 2.5 minimum cumulative GPA is maintained (renewable for 5 consecutive semesters).

Credit Hours Enrolled	Award Amount	Renewal
15 credit hours	$1,250 for the academic year ($625 in fall, $625 in spring)	2.50 GPA minimum cumulative GPA. *Renewable for 5 consecutive semesters*
12 credit hours	$1,000 for the academic year ($500 in fall, $500 in spring)	2.50 GPA minimum cumulative GPA. *Renewable for 5 consecutive semesters*
9 credit hours	$750 for the academic year ($375 in fall, $375 in spring)	2.50 GPA minimum cumulative GPA. *Renewable for 5 consecutive semesters*
6 credit hours	$500 for the academic year ($250 in fall, $250 in spring)	2.50 GPA minimum cumulative GPA. *Renewable for 5 consecutive semesters*

The Public Service and Safety Scholarship is not stackable with other scholarships. Students may test into other academic scholarships of higher award depending on ACT and Accuplacer scores.

Limit one institutional scholarship per student (excluding the Early College Advantage, Early College Advantage Plus, Adult Education Advantage, and Adult Education Advantage Plus). Students are defaulted to the highest-level scholarship for which they qualify. Summer courses are not eligible for institutional scholarships.

Exceptions to the practice must be approved by the Provost.

Application Process

Students must submit a UACCB application for admission as well as all required documentation for all academic scholarships.

UACCB reserves the right to restrict or limit the enrollment of any program and to make changes in the provisions of this document when such action is deemed to be in the best interest of the student or college. The provisions of this publication do not represent a contract between a student, prospective or otherwise, and the approving boards or the college, and should not be regarded as such.

UACCB Foundation Scholarships and Awards

Application Process

The UACCB Foundation awards a limited number of scholarships for the fall, spring, and summer semesters. Scholarship applications are available at www.uaccbfoundation.org. Scholarship recipients are selected by a committee from applicants who have completed the UACCB Foundation scholarship application and met the requirements outlined. Students receiving foundation scholarships are expected to maintain satisfactory academic progress, GPA of 2.0 or higher (unless otherwise noted) for the semester in which the scholarship is awarded and successfully complete 75% of their coursework.

Scholarship awards are for one academic year. Students receive one payment for fall and one payment for spring. Students placed in an "Academic Probation" status will forfeit the second installment of their award.

Application Deadlines:

- Full Academic Year Awards: July 1
- Summer Only Awards: April 15

There are no exceptions to these deadlines for Foundation scholarships.

Foundation Scholarships

Scholarship	Description and Criteria
Bank of America Endowed Scholarship	The Bank of America Endowed Scholarship is awarded annually with preference given to a non-traditional student. The scholarship committee will choose the recipient. This scholarship is provided by a donation from Bank of America.
Bob Carius Scholarship	The Bob Carius Scholarship is awarded annually with preference given to a student with a strong record of community service. The scholarship committee will choose the recipient.
Chancellor Deborah J. Frazier Second Chance Scholarship	The Chancellor Deborah J. Frazier Second Chance Scholarship is awarded annually to a student who has previously been enrolled at UACCB or another institution of higher education or is otherwise ineligible for federal or state financial aid.
Citizens Bank Endowed Scholarship	The Citizens Bank Endowed Scholarship is awarded annually to a UACCB student seeking an Associate Degree in Business. The student must be from one of the following counties where Citizens Banks are located: Independence, Stone, Sharp, and Lawrence. Three candidates will be chosen by the scholarship committee, and Citizens Bank will make the final selection. This award is provided by the officers, directors, and staff of Citizens Bank.
Dale W. Runsick Memorial Scholarship	The Dale W. Runsick Memorial Endowed Scholarship is awarded annually by the scholarship committee. This scholarship is provided by donations from the family and friends of Dale W. Runsick.
Desha VFW Post 10472 Scholarship	The Desha VFW Post 10472 Scholarship was established to honor Veterans of Foreign Wars. This scholarship is awarded annually to a student with a GPA of 3.0 or higher with preference given to relatives of Veterans of Foreign Wars.

Scholarship	Description and Criteria
Doyle and Darlene Berckefeldt Endowed RN Scholarship	The Doyle and Darlene Berckefeldt Endowed RN Scholarship is awarded annually to a non-traditional student enrolled in the LPN to RN program at UACCB who has at least one year of field nursing experience. Preference is given to applicants over the age of 30. This scholarship is provided by a donation from Doyle and Darlene Berckefeldt.
Dr. F.Q. Wyatt Endowed Nursing Scholarship	The Dr. F.Q. Wyatt Endowed Nursing Scholarship is awarded annually to one student in the LPN to RN program and to one student in the PN Program. Recipients are chosen by the scholarship committee based on outstanding academic nursing GPA. This scholarship is provided by donations from friends and relatives of Dr. F.Q. Wyatt.
Dr. Martin Luther King, Jr. Memorial Endowed Scholarship	The Dr. Martin Luther King, Jr. Memorial Endowed Scholarship is awarded each year to a full-time student who: • Has received a high school diploma or GED. • Is a resident of Independence County. • Is seeking an Associate Degree or Technical Certificate from UACCB. • Has demonstrated financial need. To be considered for the Martin Luther King, Jr. Memorial Scholarship, applicants must submit the following documentation no later than July 15 of each academic year: • A completed UACCB Scholarship Application form. • Verification of acceptance or enrollment at UACCB • Three letters of reference. • Financial statement for the past twelve months or income tax return from previous year. • Projected income for twelve months after completion of training. • A paragraph or more stating the applicant's educational goals and plans. The Martin Luther King, Jr. Memorial Scholarship Committee will review applications. UACCB's Advancement Office will notify applicants of award status. The Martin Luther King, Jr. Memorial Scholarship will be awarded for one year and will be renewable at the end of the semester if the student maintains a 2.0 grade point average

Scholarship	Description and Criteria
	and is in good standing at UACCB. The Scholarship will be funded on a per semester basis and may be renewed. The Scholarship may be renewable the following year if the student is seeking a two-year degree or certificate and scholarship funds are available. Scholarship recipients who do not meet the minimum standards will have the scholarship revoked. Once a scholarship is revoked, it will not be reinstated.
Frazier-Wilson Family Endowed Scholarship	The Frazier-Wilson Family Endowed Scholarship is awarded annually to a UACCB student pursuing an education degree, with preference given to non-traditional students with a GPA of 2.5 or higher. This scholarship is given in memory of Alvie Edwin "Ed" and Luvita "Vee" Wilson.
First Community Bank Endowed Scholarship	The First Community Bank Endowed Scholarship is awarded annually to a student enrolled at UACCB who maintains a 2.5 GPA. This endowment was established to recognize First Community Bank's commitment to UACCB as lead sponsor of the annual Foundation Golf Tournament.
GDX Non-Traditional Endowed Scholarship	The GDX Non-Traditional Endowed Scholarship is awarded annually to a non-traditional student who has been an Independence County resident for at least one year. The scholarship committee selects the recipient. This scholarship is provided by a donation from GDX Automotive.
Geraldine Thomas Endowed Scholarship	The Geraldine Thomas Endowed Scholarship is awarded annually to a non-traditional student who maintains a 3.0 GPA. This scholarship is provided by donations from friends, family, and former students of Geraldine Thomas.
Golf Tournament Non-Traditional Endowed Scholarship	The Golf Tournament Non-Traditional Scholarship is awarded annually to a non-traditional student. The scholarship committee selects the recipient. This scholarship is funded by proceeds from the UACCB Foundation Golf Tournament.
Halide Dusay Endowed Scholarship	The Halide Dusay Endowed Scholarship is awarded for one year to an onsite RN student from Independence County who maintains a 2.5 GPA.

Scholarship	Description and Criteria
Herby and Billie Jo Branscum Non-Traditional Endowed Scholarship	The Herby and Billie Jo Branscum Non-Traditional Endowed Scholarship is awarded annually to a non-traditional student. The scholarship committee selects the recipient. This award is provided by donations from businesses and industry in Independence County.
Helping Hands Endowed Scholarship	Once endowed, the Helping Hands Endowed Scholarship will be awarded to a student who demonstrates a strong academic background by maintaining a 3.0 GPA. This scholarship was established by Mr. Gayle Cooper in the spirit of giving in honor of longtime UACCB employees Ms. Jenneal Runsick and Ms. Alexa Smith, who will both serve on the selection committee for the recipient.
Jack and Judy Lassiter Endowed Scholarship	The Jack and Judy Lassiter Endowed Scholarship is awarded annually for one year, with preference given to a non-traditional student. This scholarship is provided by donations from family, friends and businesses honoring Jack and Judy Lassiters' accomplishments at the University of Arkansas Community College at Batesville.
Jeffrey David Taylor Memorial Endowed Scholarship	The Jeffrey David Taylor Memorial Endowed Scholarship is awarded to students with demonstrated financial need. This scholarship is provided by donations from family and friends of Jeffrey David Taylor.
Kimberly L. McLendon Memorial Endowed Scholarship	The Kimberly L. McLendon Memorial Endowed Scholarship is awarded to a student who demonstrates a strong academic background by maintaining a 3.0 GPA. Preference is given to a student enrolled in a practical or registered nursing program. This scholarship is provided in honor of Kimberly, who was a member of the UACCB staff.
LaCroix Optical Endowed Scholarship	The LaCroix Optical Endowed Scholarship is awarded annually by the scholarship committee. This scholarship is provided by a donation from LaCroix Optical.
Lynne Davis Wyatt Endowed Scholarship	The Lynne Davis Wyatt Endowed Scholarship is awarded annually to a non-traditional student; with preference given to students from Stone County who maintain a 3.0 GPA. This scholarship is provided by a donation in honor of Ms. Wyatt.

Scholarship	Description and Criteria
Melissa "Susie" Smart Memorial Endowed Scholarship	The Melissa "Susie" Smart Memorial Endowed Scholarship is awarded annually to a student enrolled in the nursing program, with preference given to a student in the traditional, on-campus LPN to RN track with a minimum 2.5 GPA. This scholarship is provided by a gift from the Smart family, Bryant's Pharmacy, and Caring Hands Hospice.
Paul and Virginia Henry Endowed Scholarship	The Paul and Virginia Henry Endowed Scholarship is awarded for one year to a student who demonstrates a "B" average and financial need. The scholarship committee will select the recipient. The scholarship is provided by a donation from Paul and Virginia Henry.
Peggy Moore Beller Single Parent Endowed Scholarship	The Peggy Moore Beller Single Parent Endowed Scholarship is awarded to a single parent enrolled full-time at UACCB. This scholarship is provided by gifts from the friends and family of Peggy Moore Beller.
Rachel Kay Stevens Memorial Scholarship	The Rachel Kay Stevens Memorial Scholarship is awarded annually to a student chosen by the scholarship committee who maintains a 2.5 GPA, with preference given to psychology majors or those interested in occupational therapy. This scholarship is provided by a gift from the Stevens family, the annual golf tournament, and donations from friends and family.
Robert and Katheleen Glines Endowed Scholarship	The Robert and Kathleen Glines Endowed Scholarship is awarded annually, with preference to a non-traditional student. The scholarship committee selects the recipient. This scholarship is funded by proceeds from the estate of Robert and Kathleen Glines.
Roy Row, Sr., and Imogene Row Johns Endowed Scholarship	The Roy Row, Sr., and Imogene Row Johns Endowed Scholarship is awarded annually to UACCB students who demonstrate financial need and "B" averages. The scholarship is provided by a gift from Imogene Row Johns.
Royce and Rita Kay Wilson Endowed Scholarship	The Royce and Rita Kay Wilson Endowed Scholarship is awarded annually to a graduate of Bald Knob High School. There are no minimum grade or age requirements. Applications are available through UACCB and the Bald Knob High School Counselor. This scholarship is provided by a gift from Royce and Rita Kay Wilson.

Scholarship	Description and Criteria
Sara Elizabeth Low Memorial Endowed Scholarship	The Sara Elizabeth Low Memorial Endowed Scholarship is awarded annually. The scholarship committee will choose the recipient. This scholarship is provided by gifts from the Sara Low Charitable Trust.
The Tenacious Tamara Scholarship in Honor of Dr. Tamara Griffin	The Tenacious Tamara Scholarship, in Honor of Dr. Tamara Griffin, is awarded to a non-traditional student enrolled in a business, technology, or public service program at UACCB with a GPA of 2.5 or better.
Stanley Wood Memorial Endowment Scholarship	The Stanley Wood Memorial Endowment Scholarship is awarded annually with preference given to a non-traditional student. The scholarship committee will choose the recipient.
Vital Link EMT/Paramedic Scholarship	The Vital Link EMT/Paramedic Scholarship requires a separate application. Students in the EMT and Paramedic programs will be notified of the scholarships opening and closing date. Openings will also be posted on the UACCB Foundation website.
Woody Castleberry Memorial Endowed Scholarship	The Woody Castleberry Memorial Endowed Scholarship will be awarded to a UACCB student who maintains a 2.5 GPA. Preference is given to a student who has demonstrated financial need and will transfer to the University of Arkansas – Fayetteville.

Foundation Awards

Scholarship	Description and Criteria
Rotary Club Endowed Award	The Batesville Rotary Club Endowed Award is awarded annually to a UACCB student by the scholarship committee. This award is provided by donations from the Batesville Rotary Club.
Terrell Jameson Memorial Endowed Award	The Terrell Jameson Memorial Award is awarded annually to a non-traditional student by the scholarship committee. This award is provided by donations from friends and family of Terrell Jameson.

Other Scholarships

There are many other scholarships and/or monies available to students interested in furthering their education at the University of Arkansas Community College at Batesville. UACCB recognizes and accepts private scholarships from a variety of sources and may have available for other business, non-profit, or private scholarships specifically for UACCB students. For application information visit www.uaccb.edu/foundation.

Academic Information and Student Responsibility

Student Information and Responsibility

Each student is responsible for thoroughly reading this Academic Catalog, any applicable program handbooks, and becoming familiar with the policies, regulations, and procedures of UACCB. Students should be aware that they are ultimately responsible for their actions, behavior, and academic progress.

Name and Address Changes

Students are responsible for reporting their accurate address, telephone number, and legal name to UACCB and reporting any changes in information promptly to the Registrar. Failure to do so may result in undelivered financial aid refunds, registration notices, invoices, invitations, and other official correspondence.

UACCB considers the information within the student information system and/or on file with the Registrar to be the official legal name and contact information for a student. Legal documentation of a name change is required.

Inclement Weather Policy

Inclement weather occasionally impacts the UACCB operating schedule. These weather conditions may cause the campus to be closed, open late, or close early. UACCB uses local radio, TV stations, and the college's text messaging system to inform students, faculty, staff, and the community of these decisions.

Students may sign up for UACCB Alerts, which provides text messaging in the event of campus closures. The service is free; however, normal text message fees may apply. The service can be accessed through the UACCB website.

Registration and Attendance

Registration is the process by which those admitted to UACCB enroll in courses. Students may add, remove, or change courses from their schedule with the help of their navigator. Registration dates are listed in the Academic Calendar and are available on the UACCB website.

Withdrawal or Complete Withdrawal

Students may withdraw from one or more courses or completely from UACCB by the published date listed in the Academic Calendar.

Students are responsible for indicating their intent to withdraw by working with their navigator to initiate the process. Once all approvals are obtained, the Registrar, or their designee, will process the form submitted by the student based on the date of student submission. The Registrar, or their designee, will inform the Financial Aid Office when a student withdraws. In all cases, the action will be documented based on the date of student submission.

- A withdrawal can only occur after the census date for the current term of enrollment.
- A withdrawal will appear on a transcript as the letter "W" in the final grade column.
- A withdrawn student's name will appear on the course roster.
- A withdrawn student must pay for the course – even though he or she will not complete it.
- A course withdrawal may impact financial aid eligibility, current or future financial aid, and enrollment in other courses.
- A student receiving any benefits from a governmental agency must follow any policy or procedure as stipulated by the specific agency.
- If a student fails to withdraw by the deadline indicated in the UACCB Academic Calendar, the student's grade will be determined in accordance with the grading terms stated in the course syllabus.

Students who do not attend classes before the census date are typically dropped for non-attendance. However, it is the responsibility of the student to drop the courses for which he or she did not attend prior to the census date, as published in the Academic Calendar.

Attendance

Students are expected to be diligent in the pursuit of their studies and regular in their class attendance. Students are responsible for communicating with the instructor about any absences. Failure to attend class does not constitute withdrawal. The appropriate withdrawal process must be followed. Students who have not participated in a course by the census date of the semester as posted in the Academic Calendar may be dropped from that course as per the census data reporting policy.

Auditing Courses

Auditing a course requires official admission to the College, approval of the student's navigator or advisor, and payment of the regular tuition and fees for the course. Students auditing courses are subject to the same regulations as other students regarding registration and attendance, but they neither take examinations nor receive quality points or hours earned for the course. An auditing student who does not wish to complete the course must complete official withdrawal procedures as defined in Academic Catalog. Audited courses will be shown on the student's official transcript as "AU." Students who wish to audit a course must complete the Request to Audit a Course form.

Course Load

For fall and spring terms, a student must enroll in a minimum of 12 credit hours (per term to include all fast terms) to be classified as a full-time student. For summer terms, students must enroll in a minimum of 6 credit hours during a term to be classified as a full-time student. Students receiving Title IV aid are required to complete 12 total credit hours during summer terms. The maximum allowable course loads are as follows by term:

- Fall Full Term: 18 Credit Hours (including Fall 1 and Fall 2 terms)
    - Fall 1 Term-9 Credit Hours
    - Fall 2 Term-9 Credit Hours
- Spring Full Term: 18 Credit Hours (including Spring 1 and Spring 2 terms)
    - Spring 1 Term: 9 Credit Hours
    - Spring 2 Term: 9 Credit Hours
- Summer 1 Extended Term: 14 Credit Hours (Including Summer 1 and Summer 2 terms)
    - Summer 1 Term: 7 Credit Hours
    - Summer 2 Term: 7 Credit Hours

Any request to exceed the maximum allowable course load must be pre-approved by the Provost.

Census Reporting

This procedure identifies census data reporting obligations and processes required by the Arkansas Division of Higher Education (ADHE) as provided in the Reference Manual for the Arkansas Higher Education Information System (Public Colleges and Universities edition, current edition). The goal of this procedure is to promote accurate state reporting of student enrollment.

Faculty and staff will exhibit due diligence to ensure accurate reporting of student enrollment to ADHE. This is a multi-faceted process involving large numbers of student records.

Census Day Reporting Process

1. Using the criteria outlined in the clarifying points, all faculty must submit corrections to their rosters by 5:00 p.m. on the census reporting date via instructions provided by the office of the Registrar.
    a. Corrections outside the standard reporting period listed above will be considered on a case-by-case basis at the discretion of the Provost.
    b. Special Considerations will only be made up to one week prior to the "Term File" submission due date published in the Reference Manual for the Arkansas Higher Education Information System.
2. All submitted corrections to course rosters submitted on or before the deadline published on the academic calendar will be posted by the Registrar within four business days.
3. The office of the Registrar will notify all faculty of the completed roster postings. Faculty will verify rosters for accuracy. Any discrepancies will be immediately reported to the Registrar for correction.

Clarifying Points

Student enrollment, including schedule changes, is allowed up to the date published on the academic calendar; after that point any future enrollment will be considered on a case-by-case basis with the approval of the Provost.

Term class days will be defined and counted as follows:

- Term class days will be counted as standard workdays (Monday through Friday) from and including the first day of class for the term through the end of the final examination period.

- Holidays, when no classes are in session, will not be considered or counted as class days.

Identifying factors for reporting students:

- Students who have not attended class, communicated with the instructor, or participated in online course work.
- Students who have indicated to the instructor within a census data reporting period that they do not intend to attempt or continue the course.

Census reporting dates for each term are published in the Academic Calendar.

Withholding of Registration Privileges and Other Holds

The Registrar or Business Office Manager is authorized to withhold registration, academic transcripts, and diplomas from students and former students for non-compliance with university requirements, past due financial obligations, fraud, and other reasons in accordance with applicable laws and regulations.

The Registrar or Business Office Manager is also authorized to add additional holds as needed and delegate the application and removal of holds in the College's record systems to other departments as appropriate. The department placing the hold is responsible for removing the hold when the student satisfies the hold condition.

Reasons for withholding include, but are not limited to, the following:

- Past Due Financial Obligations
- Failure to Complete a Financial Responsibility Agreement
- Failure to Complete a Required Perkins Student Loan Exit Interview
- Non-compliance with Directive or Sanctions from the Provost Regarding the Student Code of Conduct
- Failure to Show Proof of Immunizations or Documentation of Exemption
- Fraudulent Activities

Regarding past due financial obligations, registration may be withheld when the financial obligations are 15 days or more past due (from the payment deadline) and greater than or equal to $200.00 in aggregate. Registration may also be withheld when the financial obligations are over 1 (one) year past due for amounts less than $200.00. Nothing in this policy is intended to deny a student the ability to withdraw from UACCB.

With respect to any sums owed, this policy does not apply to students or former students if UACCB knows or has reason to know that a bankruptcy petition has been filed on behalf of the student or former student, or if UACCB has received notice that the debt has been discharged in bankruptcy. Upon the conclusion of the bankruptcy case, this policy shall apply to all debt not discharged in the bankruptcy proceeding.

In accordance with U.S. Department of Education regulation 34 CFR § 668.14(b)(33), UACCB will not withhold official transcripts or take any other negative action against a student related to a balance owed by the student that resulted from an error in the institution's administration of the Title IV, HEA programs, or any fraud or misconduct by the institution or its personnel. Further, per 34 CFR § 668.14(b)(33), upon request by a student, the institution will provide an official transcript that includes all the credit or clock hours for payment periods in which the student received Title IV, HEA funds and for which all

institutional charges were paid or included in an agreement to pay at the time the request is made, so long as the student has made at least one payment and is current on payments under the plan.

Academic Clemency Policy

Academic clemency is intended to assist students who may have tried college at an earlier date but were unsuccessful. A student is able to remove from the calculation of his/her GPA all grades received from previous UACCB coursework that meet the criteria identified below.

Students who receive academic clemency will forfeit the use of any college credit earned prior to the date the clemency is effective. The effective date will be the date the student re-entered college. The principal benefit to the student will be the recalculation of the GPA. The principal cost to the student will be that none of the prior coursework can be applied towards a degree or certificate. The granting of academic clemency does not automatically reinstate Financial Aid eligibility.

Students wishing to invoke the Academic Clemency Policy must complete a request for academic clemency through the Provost. The Provost will verify that the student meets the following criteria for academic clemency approval:

- Separation from all regionally accredited higher education course work for two calendar years.
- The successful completion of 12 semester hours of college credit at UACCB with a 2.0 or higher GPA following the two-year break in studies.

Students are not free to pick and choose which courses can be included in the Academic Clemency request. All courses prior to the 2-year break in studies must be included. There are no fees associated with Academic Clemency requests or awards.

Academic Standards of Progress

The College's Academic Standards of Progress provide details regarding minimum standards, intervention strategies or actions to be taken when minimum standards are not met, and dismissal action to be taken when satisfactory progress is not restored, and to document appeal rights.

Minimum Standards

All students (excluding non-degree seeking or visiting undergraduate students) must maintain a 2.0 minimum cumulative GPA to be considered in satisfactory academic standing.

Students' progress will be evaluated at the end of each semester to determine if grade-point average requirements have been met. Students must successfully complete basic skills courses earning a grade of "C" or better before progressing to the next course in the sequence.

Some academic programs require a grade of "C" or better to progress in the program of study. Failure to maintain at least a grade of "C" or better in each course will result in dismissal from the program.

Academic Probation

Students whose cumulative GPA falls below 2.0 will be placed on Academic Probation. Students who are on Academic Probation will remain on probation if they maintain a semester GPA of 2.0 or above on courses taken during the probationary period and their cumulative GPA remains below 2.0. The probationary status will be removed when the cumulative grade point average is 2.0. A transfer student who enrolls at UACCB and was on Academic Probation or has a GPA below 2.0 from the transferring institution will be placed on Academic Probation until the student achieves a cumulative GPA of 2.0 at UACCB.

Academic Suspension

Students who fail to attain a 2.0 semester GPA during the semester of the Academic Probation will be suspended for a minimum of one semester. Students may re-enter after the suspension period has lapsed, under the condition of Probation after Suspension for one semester. Should a student fail to maintain a 2.0 average during the second probationary period, a one-year suspension will ensue. A student who is dismissed twice for unsatisfactory academic progress will be suspended for one year.

Students who transfer from another college on academic suspension must sit out one semester before attending UACCB.

Academic Intervention Procedure

Intervention procedures, which may be initiated for students on Academic Probation, may include one or more of the following:

- Restriction of enrollment;
- Limited course load;
- Required attendance at special counseling sessions; and
- Enrollment in basic skills classes.

Satisfactory academic progress is restored when a student successfully earns at least six credit hours and re-establishes a 2.0 cumulative grade-point average.

The college may elect to address individual mitigating circumstances administratively, with appropriate documentation to justify continuation of academic course work. Students may always exercise their right of due process and appeal an academic suspension.

Repeating Courses

Students repeating a course are subject to the following provisions:

- A student may repeat a previously taken course in an attempt to improve the original grade earned.
- Should a student choose to repeat a previously taken course, both course attempts will remain on the student's transcript with the highest grade being used to calculate the student's cumulative grade point average.
- The credit hours of the completed/repeated course will only apply one time toward the student's graduation requirements.
- Courses taken more than once must be the exact same course as previously attempted.
- "W" Withdrawals, "I" Incompletes, or "AW" Administrative Withdrawals will not replace an original course grade.
- Independent Study courses and Prior Learning Assessments (PLA) cannot be used to repeat a course.

Students who plan to transfer to a four-year college or university should be aware that some institutions may average both the original and the subsequent grades for determining transfer eligibility. Students should check with that college or their navigator prior to enrolling for a course on a repeat basis.

Nursing and Health Professions programs have specific guidelines for repeating a course. Please refer to the appropriate program handbook for these guidelines.

The Veterans Administration has specific regulations. Please contact the Veteran's Affairs Certifying Official at veterans@uaccb.edu, call 870-612-2000, or stop by the Welcome Center.

Grades and Grade Points

UACCB's grading policy reflects the quality of performance and achievement of competency by students who complete one or more credit courses. Faculty are responsible for determining and assigning both grades and status based upon objective appraisal and evaluation of the student's performance. Grading standards are provided to students in writing at the beginning of each course in the course syllabus. The College uses the following four-point grading scale:

Grade Status	Description	Quality Points
A	Excellent	4
B	Good	3
C	Average	2
D	Poor/Below Average	1
F	Failure	0
P	Pass	0
N	Did Not Pass	0

A student's grade point average is determined by dividing the total number of quality points by the total number of credit hours attempted. All course work completed with assigned grades of "A," "B," "C," "D," or "F" is to be considered in calculating the cumulative GPA.

For a student who retakes courses, only the highest grade is calculated in the cumulative GPA and hours earned for the student. The first grade of the course will, however, still appear on the student's transcript.

Basic skills courses are taken for non-degree credit, although the grade is calculated into the cumulative GPA.

Courses transferred to UACCB are not calculated into a student's cumulative GPA.

Midterm grades are reported by the faculty by the published dates on the Academic Calendar. Midterm grades are reported for progress monitoring only and are not calculated into a student's term or cumulative GPA.

Midterm and final grades are available to students electronically.

Grade Status Codes

In addition to course grades of "A," "B," "C," "D," and "F," students may receive the following grade status designations.

Grade Status	Description	Quality Points
I	Incomplete	0
W	Withdrawn	0
AU*	Audit	0
CR	Verified Competency	0
MW	Military Withdrawal	0
AW	Administrative Withdrawal	0

*Must be declared no later than the first week of class and will not qualify for financial aid.

Incomplete (I): The grade "I" should only be assigned when a student has not completed a significant component of a course (i.e. an exam, paper or project) and the student has a valid rationale for this failure. Students must complete at least 70% of a course to be able to request an Incomplete.

Withdrawal (W): A "W" is assigned for a student-initiated withdrawal during the period printed in the Academic Calendar.

Audit (AU): Audit means enrollment in a course for no grade or credit. A student must declare an intent to audit by the end of the first week of classes of the semester he/she intends to audit. Auditing students will be required to pay the same tuition and fees as assessed for a class taken for credit.

Verified Competency (CR): The Verified Competency designation is used to indicate a status for which recognition is earned, but no grade is assigned. A "CR" will be recorded to document competencies demonstrated via test-out, Prior Learning Assessment (PLA), credit-for-experience, College Level Examination Program (CLEP) and Advanced Placement (AP) options.

Administrative Withdrawal (AW): An "AW" is reserved for extenuating circumstances where it is in the best interest of the student to be withdrawn, but the student did not initiate the process. Administrators must notify the student and the student's navigator that this process will be initiated.

Credit for Courses

All credit-bearing degrees and certificate programs are approved by the Arkansas Division of Higher Education (ADHE). Calculation of credit hours follows Arkansas Higher Education Coordinating Board Policy 5.11, which are consistent with the U.S. Department of Education's definition of a credit hour.

Federal Credit Hour Definition: A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

- One hour of classroom or direct instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter of credit, or the equivalent amount of work over a different amount of time; or
- At least an equivalent amount of work as required in 1 of this definition for other activities as established by an institution, including laboratory work, internships, practical, studio work, and other academic work leading toward the award of credit hours. 34CFR 600.2 (11/1/2010)

A credit hour is an amount of work that reasonably approximates not less than:

- One hour of classroom or direct faculty instruction and a minimum of two clock hours of out-of-class work each week for approximately 15 weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or at least the equivalent amount of work over a different amount of time; or
- At least an equivalent amount of work as required in paragraph 1 of this definition for other academic activities as established by the institution including laboratory work, internships, practicum, studio work, and other academic work leading to the award of credit hours. The regulations make an exception to this definition in the case of programs that are subject to one of the clock-hour/credit-hour conversion formulas as described below:
    - A semester hour must include at least 37.5 clock hours of instruction
    - Conversion: Number of clock hours in the credit-hour program/37.5 U.S. Department of Education definition of a clock hour:
        - A 50-to-60-minute class, lecture, or recitation in a 60-minute period; A 50-to-60-minute faculty-supervised laboratory, shop training, or internship in a 60-minute period; or
        - 60 minutes of preparation in a correspondence course

Generally accepted standards under the Arkansas Division of Higher Education include:

- 1 semester credit for each 12.5 hour or 750 minutes of lecture
- 1 semester credit for each 25 hours or minimum of 1500 minutes of laboratory instruction
- 1 semester credit for 37.5 hours or minimum 2250 minutes of clock, clinical, practicum, internship, shop instruction, or other self-paced learning

Course Type and Modality Definitions

Course Type	Definition
Accelerated Terms	Courses offered within the standard 15-week semester in which the credit hours offered are the same as standard semester courses. The content and substantive learning outcomes are the same. These courses must meet the definition of standard lecture contact time within the time frame the accelerated version is offered (750 minutes per credit).
Clinical Placement	Supervised experiences where students are afforded an opportunity to apply skills and techniques acquired from assessment and intervention-oriented course material are classified as clinical placement. Number of hours varies by academic program based on clinical placement site hour requirements and student assignments. Clinical courses and fieldwork will meet the minimum required by the respective professional accrediting or regulatory agency.
Hybrid	A hybrid course is considered hybrid (or blended) when it is composed of both online learning and classroom learning and incorporates the best features of both environments to meet the learning objectives of the course.
HyFlex	A HyFlex (Hybrid-Flexible) course offers the highest level of student choice by allowing individuals to attend sessions in-person, online synchronously, or online asynchronously. Students have the autonomy to switch between these participation modes from one class to the next without prior notification to the instructor, providing a seamless and adaptable learning experience designed to accommodate various schedules and learning preferences.
Independent Study	Courses that permit a student to study a subject or topic in considerable depth beyond the scope of a regular course are titled independent study. Students must interact with the faculty member on a regular and substantive basis to ensure progress within the course. The faculty member provides guidance, criticism, and review of the student's work. Students demonstrate competency through the completion of a final assessment either by submitting a final paper, project or portfolio, etc., as required by the faculty member.

Course Type	Definition
Internship/ Field Experience	Courses developed for independent learning and the development and application of job related or practical skills in a particular discipline are classified as Internship/Field Experience. These courses allow for observation, participation, and fieldwork, and are generally offered off campus. Internship time includes a combination of supervised time by approved experts outside the college, student assignments, and time supervised by a college instructor. The minimum number of hours varies based on credits assigned to each internship course. A 1 credit hour internship = 50 hours throughout the semester
Laboratory	Practical application courses are those courses where the major focus is "hands-on" experience to support student learning (use of equipment, activities, tools, machines generally found in a laboratory). Science laboratory classes will meet 2-3 hours per week to equal one semester credit hour. Technical Skills laboratory classes will meet three hours per week to equal one semester credit hour.
Lecture/ Seminar	Courses focus on principles, concepts or ideas, lecture, discussion, and demonstration. A semester credit hour is earned for fifteen, 50-minute sessions of direct faculty instruction and a minimum of two hours of student preparation time outside of class per week throughout the semester. A typical three-credit hour course meets for three, 50-minute sessions or two, 75-minute sessions a week for fifteen weeks. Most lecture and seminar courses are awarded three credits.
Online (Asynchronous)	These courses are where "instructors and students do not meet in the same space." Regardless of mode of instruction, these courses are consistent in terms of quality, assessment, learning outcomes, requirements, etc., as courses offered face-to-face with the same department prefix, number, and course title. Faculty must demonstrate active academic engagement through interactive methods, including but not limited to, interactive tutorials, group discussions, virtual study/project groups, discussion boards, and chat rooms. Simply logging on, either by faculty or students, does not constitute active student learning. Credits hours assigned to a course delivered online must equal the number of credit hours for the same course delivered face-to-face.
Practicum/ Student Teaching	Courses developed for independent learning and the development and application of job related or practical skills in a particular discipline are classified as Practicum/Student Teaching. These courses allow for observation, participation, client evaluation,

Course Type	Definition
	fieldwork, and are offered off campus. Practicum time includes a combination of supervised time by approved experts outside the college, student assignments, and time supervised by a college instructor.

Requesting an Incomplete Grade

Students may request an incomplete grade status by working with their navigator and faculty member to complete and submit the Request for Incomplete Grade form.

A student receiving an "I" must meet with the instructor of record and develop a timeline and significant milestones/achievements to complete the course requirements. The student must have completed 70% of the coursework with a "C" or higher and have had satisfactory course progress.

Faculty members will submit the revised grade by the date final grades are due in the subsequent full term. The Registrar will change the "I" designation to a grade of "F" if a grade is not assigned by the date final grades are due in the subsequent full term.

If a student disagrees with a faculty member's decision to deny a request for an incomplete grade, the student may submit an academic appeal following the process outlined in the UACCB Catalog.

Academic Integrity

At UACCB, we are committed to fostering a culture of academic integrity and honesty. We believe that academic integrity is essential to the pursuit of knowledge, the development of critical thinking skills, and the overall educational experience of our students. Therefore, we expect all students to adhere to the highest standards of academic honesty and integrity.

We strongly encourage students to adopt the following practices to maintain academic integrity:

- Familiarize yourself with the college's policies on academic integrity.
- Properly cite all sources used in your academic work.
- Seek clarification from your instructors regarding the appropriate use of resources, collaboration, and citation.
- Develop good time management and study skills to avoid the temptation of cheating.
- Utilize academic support services available at the college, such as tutoring and writing centers.
- Be proactive in upholding the academic integrity of your peers by reporting suspected instances of academic dishonesty to your instructors or college administration.

Academic dishonesty includes, but is not limited to, the following actions:

- Plagiarism: Presenting someone else's work, ideas, or words as your own without proper citation or acknowledgment.
- Cheating: Using unauthorized materials, resources, or aids during exams, quizzes, assignments, or any other academic activity.
- Unauthorized Collaboration: Working with others on individual assignments or exams without explicit permission from the instructor.
- Fabrication: Inventing or falsifying information, data, sources, or citations in any academic work.
- Multiple Submissions: Submitting the same work, in part or in whole, for credit in multiple courses without prior approval from the instructors.
- Impersonation: Allowing someone else to assume your identity or taking another person's identity to complete academic work.
- Unauthorized Access: Gaining unauthorized access to examination materials, academic resources, or any other confidential information.

Consequences of Academic Dishonesty

Any student found guilty of academic dishonesty is subject to disciplinary action, which may include, but is not limited to, the following:

- Receiving a failing grade for the assignment or exam in question.
- Receiving a failing grade for the entire course.
- Suspension from UACCB for a specific period.
- Expulsion from UACCB.
- Additional sanctions deemed appropriate by UACCB administration.

Academic Appeals

Students who believe they have been treated unfairly in an academic matter should first address the issue directly with the faculty member or program director involved. If the matter is unresolved, students may pursue a formal academic appeal.

Formal academic appeals are permitted only in the following cases:

- The fairness or accuracy of a final course grade
- Official dismissal from an academic program

Other concerns should follow the Academic Complaint Log procedure or, for cases involving discrimination or other protected grievances, the appropriate campus policy.

Academic Appeal Procedure

Before filing an appeal:

- Discuss the issue with the relevant faculty member or program director.
- If the concern involves a final course grade or program dismissal, and is not resolved through discussion, proceed to submit a formal appeal.

Filing an academic appeal:

1. Complete the Academic Appeals Form (available on the UACCB Microsoft MyApps page under UACCB Forms).
    a. Submit the form by email to the appropriate dean within five (5) business days of the official final grade posting or dismissal notification.
    b. Partially completed forms or late submissions will not be accepted.
2. Once a valid appeal form is submitted it is routed to the Academic Dean who supervises the faculty or program involved.
3. The Academic Dean reviews the case, gathers supplemental information as needed, and issues a written determination via UACCB email with 3 business days. The Dean's response will include an explanation for the decision, any required remedial actions, and the next steps in the process.
        i. If the Academic Dean is directly involved in the action being appealed, the case will be handled by the Provost.
4. Both the student and the faculty member/program director must respond via UACCB email within three (3) business days indicating either agreement with or refusal of the decision.
    a. Agreement with the decision - Upon agreement from both parties the appeal case is considered closed at this step.

b. Refusal of the decision - Upon refusal by either or both parties, the appeal process continues to the next step.
    i. If the student refuses and wishes to continue coursework during the appeal, they must also submit the Academic Continuation Form (available on the UACCB Microsoft MyApps page under UACCB Forms) within the same three (3) day response period.

Failure to respond within the three (3) day response period by either party is considered an agreement with the Academic Dean's decision.

5. If the appeal is not resolved at the Dean level the case is forwarded to the Faculty Affairs Committee for hearing.
    a. The Faculty Affairs Committee will convene a review panel of members from the standing Review Panel (see below for membership details):
        i. Three (3) Faculty Members (not from the relevant department)
        ii. Two (2) Students (not enrolled in the same course or program)
    b. The review panel must:
        i. Review the materials within five (5) business days
        ii. Schedule and hold a hearing within ten (10) business days
    c. During the hearing the student filing the appeal, associated faculty member/program director, and Academic Dean must be present. The student may bring a personal support person; the support person may not provide commentary during hearing proceedings.
    d. Within 1 business day of the hearing, the panel submits their findings and recommendations to the Provost.
6. Upon receipt of the findings and recommendations from the review panel, the Provost must issue a final decision within 1 business day. The final decision is sent to the student and faculty/program director.

The entire process will be completed within 30 business days, starting the first business day after submission of the Academic Appeals form.

Communication and Documentation

All communications will be conducted through official UACCB email addresses. Appeal documentation is archived under the direction of the Provost.

Review Panel Structure

The Faculty Affairs committee selects six (6) faculty members from Faculty Senate and three (3) students from Student Government Association to serve a one-year term on review panels. Members serve from July 1 through June 30 and must attend training.

Review Panel membership is screened for conflicts of interest, with substitutions made as needed by the Provost.

Other Academic Concerns

Students should use the Academic Complaint Log procedure to address non-grade/dismissal issues and other issues related to discrimination or other protected grievances.

Course Substitutions

A student is expected to complete all College degree requirements that were in effect at the time of matriculation. The coursework for each program has been chosen to provide the student with a carefully considered set of skills, learning outcomes, and the appropriate knowledge for their chosen major. Students wishing to petition for a course substitution must first declare a major at the College. Students should then discuss the desired course substitution with their academic advisor. The student should be prepared with sufficient documentation and justification to warrant a course substitution.

- A required course is no longer offered due to a change of curriculum.
- A course taken at another college matches the student learning outcomes and course description but does not share the same name or course number or ACTS equivalency. After careful review, the student's advisor deems this course substitution to be acceptable.
- A required course is inaccessible based on an evaluation facilitated by access (disability) services.

If the navigator or advisor agrees that it is reasonable to consider a course substitution, the student should complete in conjunction with their navigator or advisor a Petition for a Course Substitution, have the advisor sign the petition, and forward to the appropriate Academic Dean over the course for consideration. Once the Academic Dean has approved the form should be forwarded to the Provost for consideration. Once approved by all three parties the form should be submitted to the Registrar's Office for processing.

- Only petitions submitted at a minimum of one week prior to the beginning of the academic term will be considered. Failure to enroll in a required course is not sufficient reason to request a course substitution.
- Course substitutions will only be considered for students who declared a major and are working with an academic advisor.
- To use a transfer course as a substitution, the course must meet the established guidelines for transfer credit and must match the content and student learning outcomes of the required course.
- Substitution of a course for a previously failed course is not permitted.

Once the Academic Dean and Provost have made a determination the Registrar will notate the approval or disapproval of the petition.

Independent Study

A student may request an independent study in situations that involve limitations in institutional course offerings, unmet graduation needs that arise from course scheduling changes or course cancellations, or other extenuating circumstances. Independent studies require that the student work directly with a predetermined faculty member to complete the course requirements and establish mastery of the course outcomes. The course must be comparatively consistent with all other course offerings and may be offered in various modalities and may be scheduled outside traditional semester/term dates (off-schedule).

- An independent study request must be initiated by the student and facilitated through the advisor of record utilizing the electronic request form available on the UACCB Microsoft MyApps page under UACCB Forms.
- Students must be in good academic standing as determined by the Academic Standards of Progress and Satisfactory Academic Progress.
- Student must be in his/her last semester prior to graduation or have documented extenuating circumstances that require independent study as a means of completing graduation requirements.
- The course being requested must be required for graduation and not offered in any modality of the student's last semester.
- The student's request must be approved by the faculty member, appropriate dean, and Provost before the start of the term in which an independent study is requested.

Process Steps:

1. Students work with navigator or advisor to complete independent study form.
2. The navigator or advisor submits form to the appropriate dean on behalf of student.
3. The dean reviews, if approved moves to find a faculty; if denied dean notifies student, advisor, and Registrar's office.
4. If a faculty member has been determined/designated, they will create a course plan and send it to the dean.
5. The dean reviews the proposed course plan, if denied dean notifies faculty and faculty revises the plan, if approved dean sends course plan to the Provost.
6. The Provost reviews, if approved moves to Academic Operations; if denied notifies student, advisor, dean, and faculty.
7. Academic Operations creates independent study courses, add materials to booklist, and notifies Registrar's office.
8. Registrar or designee provides notification to all parties of the process completion via UACCB email.

Prior Learning Assessment / Credit by Experience

To recognize college-level learning students acquire outside of formal higher education, the University of Arkansas Community College at Batesville (UACCB) relies on the following policy and procedures to ensure practices consistent with academic integrity and responsive to nontraditional learners. Such learning may be derived from various life and work experiences, and the term "prior learning assessment" refers to all the processes the college uses to review and evaluate evidence of learning and to award academic credit as indicated by academic and administrative standards. Adherence to this policy is also intended to support transparent transfer of prior learning assessment credit among institutions of higher education.

Definitions

Prior Learning Assessment (PLA) is an academic process which allows students the opportunity to receive college credit for demonstrated college-equivalent learning obtained from experiences outside of the traditional classroom setting.

Accelerated Learning is any organized method of learning that enables a student to meet individual academic goals and graduation requirements while pursuing higher level skills development. Other state-endorsed forms of Accelerated Learning may be considered for PLA. UACCB will review any additional accelerated learning opportunities endorsed by the Arkansas Division of Elementary and Secondary Education (DESE) or the Arkansas Division of Higher Education (ADHE).

Professional Portfolio is a compilation of documented, professional work experience collected by the student and assessed by the appropriate faculty member for the validation of credits to be awarded for prior learning.

Eligibility

Students enrolled, credential/degree-seeking, and in academic good standing at UACCB can apply for prior learning credit. Students must complete the Petition for Prior Learning Assessment to be considered for prior learning credit. PLA credit awarded by standardized exam must have test scores no more than three (3) years old. Students apply for and are awarded PLA credit after high school graduation when admitted and enrolled as a credential/degree seeking student at UACCB.

Additional Information

No credit for prior learning will be awarded for previously completed college-level coursework. PLA credit will only be awarded for courses contained in the student's declared certificate or degree plan.

All accepted credits for prior learning will be documented on the student's transcript; however, no grades, scores, or point values will be given for credits earned through PLA and will not be calculated in the student's grade point average (GPA). Credits awarded through PLA will not count toward UACCB's residency requirements (25% of any degree or certificate program) and will not be eligible for financial aid.

Credits awarded through PLA are applicable only to UACCB's curricular requirements. Credits may not be accepted as transfer credit by other post-secondary institutions. The student is responsible for discussing PLA credit with any transfer institution.

This policy was developed to align with the Higher Learning Commission Policy CRRT.C.10.010 (sections B.1.b addressing residency recommendations and B.1.g addressing prior learning credit).

Professional Portfolio

1. Meet with your navigator/advisor - This initial step will include a brief interview to gauge your eligibility to pursue credit by portfolio. You will also fill out a brief self-evaluation to give you a better idea of what kind of narrative content and evidence you will need to supply to successfully earn credit.
2. Initial Review by Dean - The appropriate dean over the program will review the portfolio with the student in order to verify all components are included and that the contents demonstrate prescribed methodology and college-level writing. This review is not an assessment of learning for credit. It will simply ensure the portfolio is ready to be assessed by a faculty expert.
3. Pay the PLA Portfolio Review Fee - Before your portfolio can be reviewed, you must pay the non-refundable PLA Portfolio Review Fee to the business office. This fee covers the administrative and faculty time required for evaluation and is required regardless of whether credit is ultimately awarded.
4. Assessment by Faculty Expert - A faculty content expert will receive the portfolio and assess the narrative content and evidence for college-level learning. It is the job of the assessor to ensure that every course objective has been met with sufficient mastery through prior learning experiences.
5. Awarding of Credit - Once the PLA Portfolio review has been completed, the appropriate academic dean completes the required documentation and makes official notification to the Registrar's Office for the credit will be posted to your official transcript.

PLA Appeal Procedure

Students who are denied credit may choose to appeal the decision by following the PLA appeal procedure. There are several deadlines to file an appeal that students must meet to prevent immediate denial of the appeal. No new narratives or evidence will be accepted in the appeal process.

Students denied PLA credit can appeal to the Provost. The Provost will review all relevant documentation within 5 business days and provide a determination. The Provost may utilize additional or external faculty experts in consultation for this review.

Nationally Recognized Exams

Credit demonstrated by successfully passing national for-credit examination programs, such as Advanced Placement (AP), College Board College Level Examination Program (CLEP), DANTES Standardized Subject Test (DSST), and International Baccalaureate (IB).

- CLEP-Credits may be awarded through the successful completion of CLEP on two (2) General examinations and several Subject exams, provided no previous academic credits have been awarded in these areas. Upon successful completion, the credit(s) will be recorded on the student's permanent record with no grades, scores, or point values. To register for a CLEP exam, visit www.CLEP.Collegeboard.org
- DANTES Subject Standardized Test (DSST)-DSST exams are available to individuals seeking college credit outside of the traditional classroom. Credit may be awarded in subject areas such as social sciences, math, applied technology, business, physical sciences, and humanities. To register for a DSST exam, visit www.getcollegecredit.com/
- Advanced Placement-Advanced Placement is a program of the College Entrance Examination Board through which secondary student's complete college-level courses in high schools that are designated as AP and earn college credits by displaying a specific level of accomplishment on AP examinations. AP credit granted from prior institutions of higher learning will not automatically transfer to UACCB. Official documentation of test scores must be submitted by students seeking credit.

GED College Ready + Credit

In 2019, UACCB adopted the GED College Ready and College Ready + Credit programs.

Through the GED College Ready program, those who have taken General Education Development have scored a minimum of 165 and have demonstrated skills that are consistent with those required to be college and career readiness standards may earn a high school equivalency credential and be eligible to enroll directly in credit-bearing courses at UACCB.

Through the GED College Ready + Credit program, those who have taken GED and have scored a minimum of 175 and demonstrate some of the skills that are taught in college-level courses may be eligible for up to three credits in Math, three credits in science, three credits in social studies, and one credit in English.

Credit is awarded as follows:

Title	College Ready Score	Plus Credit Score	Number of Credits	Course
The 2014 GED® Test: Reasoning Through Language Arts College Ready + Credit	165 and above	175 and above	1 semester credit hours	UNIV 10071 - Foundations of Personal Finance
The 2014 GED® Test: Mathematical Reasoning College Ready + Credit	165 and above	175 and above	3 semester credit hours	MATH-11003 - College Algebra
The 2014 GED® Test: Science College Ready + Credit	165 and above	175 and above	3 semester credit hours	PHSC 10043 - Physical Science (Lecture Only)
The 2014 GED® Test: Social Studies College Ready + Credit	165 and above	175 and above	3 semester credit hours	SOCI 10103 - Principles of Sociology

WorkKeys

The WorkKeys assessment measures the essential work skills needed for success in jobs across industries and occupations and represents work readiness through the National Career Readiness Certificate (NCRC®). The primary purpose of the NCRC is to provide students with a workplace certification that represents their knowledge and skills in Applied Math, Graphic Literacy, and Workplace Documents.

- 3 semester hours in Technical Mathematics to students who earn any level National Career Readiness Certificate (NCRC) and score at Level 5 or above on Applied Math and Graphic Literacy
- 3 semester hours in Technical Writing for the Workplace to students who earn any level National Career Readiness Certificate (NCRC) and score at Level 5 or above on Workplace Documents.

Only students enrolled in certificate or degree programs with Technical Mathematics and/or Technical Writing course requirements should be awarded this credit. These courses may not transfer to other institutions.

Other

LPN to RN Students - The Arkansas Nursing Education Progression Model allows progressing LPN students to receive at least six credit hours in nursing. LPN progressing students will be awarded Nursing Theory I and Nursing Practicum I following completion of the program. A Petition for Prior Learning Assessment should be submitted to the Dean for Career and Workforce for approval and should include copies of certificates, transcripts, or other appropriate documentation.

EMT to Paramedic Students - Any student entering the Emergency Medical Technology, Paramedic program who did not complete the Emergency Medical Technology, Basic, at UACCB but it is a licensed Emergency Medical Technician or Advanced Emergency Medical Technician through the Arkansas Department of Health will be awarded seven (7) credit hours for EMT 1107 Basic Emergency Medical Technical. A Petition for Prior Learning Assessment should be submitted to the Dean for Career and Workforce Education for approval and should include copies of certificates, transcripts, or other appropriate documentation.

Credit by Examination

UACCB serves as an open CLEP test center. CLEP tests will be administered online, by appointment. UACCB will only award credit for tests that are the equivalent of its courses. Students must achieve the minimum acceptable score, as listed by the American Council on Education, to be awarded credit at UACCB.

Students' transcripts will indicate a grade of "CR" for the credit awarded. A proctoring fee for each exam will be charged to non-UACCB students. For further details, please contact the Director of Access & Testing. A minimum score of 50 will be accepted for each CLEP Subject Exam. UACCB will award credit for the following CLEP examinations:

CLEP Subject Exam	UACCB Course Number	UACCB Course Name
American Government	PLSC 2003	United States Government
Biology	BIOL 10031 BIOL 10043	Biology for General Education Lab Biology for General Education
College Algebra	MATH 11003	College Algebra
College Composition	ENGL 10103 ENGL 10203	English Composition I English Composition II
College Composition Modular	ENGL 10103	English Composition I
History of the U.S. I	HIST 21103	United States History I
History of the U.S. II	HIST 21203	United States History II
Human Growth and Development	PSYC 21003	Developmental Psychology
Introductory Business Law	BLAW 20003	Legal Environment of Business
Introductory Psychology	PSYC 11003	General Psychology
Introductory Sociology	SOCI 10103	Principles of Sociology
Principles of Macroeconomics	ECON 21003	Macroeconomics
Principles of Management	MGMT 20163	Principles of Management
Principles of Marketing	MKTG 20003	Principles of Marketing
Spanish I and II	SPAN 10103 SPAN 10203	Spanish I Spanish II

Advanced Placement

UACCB offers credit based on the Advanced Placement Program of the College Entrance Examination Board. This program gives students the opportunity to pursue college-level studies while in high school and to receive advanced placement and/or credit at UACCB.

The AP examinations are offered annually by high schools that participate in the program. Students should contact their high school counselor for information about the AP exams.

High school students seeking credit for AP examinations should contact the /Registrar's Office at UACCB. The college offers credit for the following AP exams:

AP Course	UACCB Course Number	UACCB Course Name	Minimum Score
Art History	ARHS 10003	Visual Art	3
Biology	BIOL 10031 BIOL 10034	Biology for General Education Lab Biology for General Education	3
Biology	BIOL 10101 BIOL 10103	Biology for Majors Lab Biology for Majors	4
Calculus AB	MATH 24004	Calculus I	3
Calculus BC	MATH 24004 MATH 25004	Calculus II Calculus III	3
English Language	ENGL 10103	English Composition I	3
English Language	ENGL 10103 ENGL 10203	English Composition I English Composition II	4
Macroeconomics	ECON 21003	Macroeconomics	3
Microeconomics	ECON 22003	Microeconomics	3
Psychology	PSYC 11003	General Psychology	3
U.S. Government and Politics	PLSC 20003	United States Government	3
U.S. History	HIST 21103	United States History I	3
U.S. History	HIST 21103 HIST 21203	United States History I United States History II	4
Spanish Literature	SPAN 10103	Spanish I	3
Spanish Literature	SPAN 10103 SPAN 10203	Spanish I Spanish II	4
Statistics	MATH 21003	Statistics	3

Requesting Transcripts

UACCB has contracted with the National Student Clearinghouse to process online transcript requests and electronic delivery of transcripts.

To request a transcript, please use the UACCB National Student Clearinghouse website.

Graduation

Graduation Requirements

- Candidates for graduation must successfully complete all academic coursework, including mandated developmental course work, with a minimum cumulative grade-point average of 2.00.
- Successful completion of the required number of credits and specific courses required.
- Completion of a minimum of 25% of credit hours as a student at UACCB towards an associate degree (Associate of Arts, Associate of Science, or Associate of Applied Science), Technical Certificate, or Certificate of Proficiency.
- Satisfaction of all financial responsibilities due to UACCB.

Students have five years to complete the degree/technical certificate program requirements in the College Catalog under which they initially enroll. Students may not graduate under a catalog date before their initial enrollment. Students may petition the Provost for permission to extend the maximum time period allowed for their graduation. This petition will only be approved in exceptional circumstances.

Students requesting consideration for graduation have the responsibility to inform their navigator of their intentions. The navigator will work with the student to complete and submit all documentation. High school concurrent students will work with their counselor and/or career coach to complete the graduation process.

It is the responsibility of the student to have submitted transcripts necessary to receive transfer credit and to have completed the process to transcript credit by exam or prior learning experience before submitting these forms.

Students earning certain certificates of proficiency or technical certificates may be graduated by the Registrar or their designee, upon successful completion of the required class(es).

The Registrar or their designee will verify that students applying for graduation have met all requirements or are on schedule, upon successful completion of their final semester, to graduate.

Application for Graduation

Students requesting consideration for graduation will meet with their navigator to verify all degree requirements are completed or will be met in their final semester. Navigators will submit a graduation application to the Office of the Registrar by the date published in the UACCB Academic Calendar.

It is the responsibility of the student to have submitted transcripts necessary to receive transfer credit and to have completed the process to transcript credit by exam or experience prior to submission of these forms. Through completion of this process, the Office of the Registrar is notified of the student's intent to graduate.

Any graduation application submitted past the deadline will be processed the following semester. The appropriate award will be prepared once the fulfillment of the graduation requirements is confirmed and all obligations to the college have been completed.

Students who do not complete degree requirements at the end of the semester indicated on the evaluation must have their navigator submit a new evaluation to the Registrar or designee if requirements will be met in future semesters.

There is no graduation application fee.

Graduation with Honors

For the purpose of determining graduation with honors, GPAs will be calculated based on all UACCB coursework. Honor students are recognized at commencement based on cumulative GPA through the last full semester (fall or spring) prior to semester of commencement. Certificates of Proficiency are not eligible for honors.

Graduation with honors is defined as follows:

- Students achieving a GPA of 3.50 to 3.74 will graduate cum laude.
- Student achieving a GPA of 3.75 to 3.89 will graduate magna cum laude.
- Students achieving a GPA of 3.90 or above will graduate summa cum laude.

The Registrar, or their designee, may also use mid-term or interim grades to determine preliminary and/or additional potential of an honor completed.

Graduation Ceremony

Participation in the graduation ceremony is not evidence of graduation or degree/certificate completion.

Students who complete their degree requirements in the fall, spring or summer terms are eligible to participate in the next upcoming graduation ceremony. Students wanting to participate in the Graduation ceremony must complete the Graduation Application with their navigator. This information is used for regalia orders, programs, announcements, and other portions of the ceremony.

Graduation Applications opening and closing dates are published in the Academic Calendar Students who fail to meet this deadline may still be able to participate on a first-

come, first-serve basis if additional (extra) academic regalia are available for use. Student participants in the graduation ceremony must wear academic regalia.

An information letter about Graduation will be in the student academic regalia packet and be sent to students' UACCB email address. It is the responsibility of the student to keep contact information current. Students desiring to participate in commencement are requested to attend a practice session held prior to commencement.

Honors

Chancellor's List

The college names to the Chancellor's List any student who has earned twelve or more credit hours in a given semester and earned a 4.00 GPA with no "I" grade.

Provost's List

The college names to the Provost's List any student who has earned twelve or more credit hours in a given semester, a 3.50 GPA or higher and has no "D," "F," or "I" grade for the term involved.

Preparation and Distribution of Credentials

Degrees and Certificates shall be ordered promptly following the Registrar's, or their designee's, verification of graduation.

- The name on the diploma will be as the name appears in the student information system. If the student wants a different name on his/her diploma, he/she must complete a Name Change form.
- The date to be used as the date of certificate or degree award shall be the last day of final exams plus three working days.
- All credentials will be mailed to the student's address. It is the responsibility of the student to keep contact information current.

Adult Education

The Adult Education Department offers a variety of classes for individuals working to improve basic skills, obtain an Arkansas high school diploma (GED), and learn English. All classes provided by the Adult Education Department are free and open to the public. Adult Education classes are offered year-round. More information about services provided can be found online at www.uaccb.edu or by contacting the Adult Education department.

The following classes and tests are offered:

- GED Preparation for 16–17-year-old students with appropriate documentation, and adults 18+ seeking an Arkansas high school diploma
- GED Testing
- Adult Basic Education (ABE) Classes for students seeking to improve reading, writing, and mathematics skills
- English as a Second Language (ESL) classes for adults 18+
- Integrated Education and Training (IET) programs that combine adult education and academic support with employment preparation and workforce training to assist students in obtaining nationally recognized credentials and employment in fields such as commercial driving, welding, and healthcare
- Customized basic skills training for business and industry

Classes on the UACCB campus are offered during the day, Monday through Thursday and during the evening on Tuesdays and Thursdays.

Classes at the Sharp County Adult Education Center are offered during the day Monday through Thursday.

Distance Learning options are available to eligible students in both Independence and Sharp counties who meet minimum placement requirements on the TABE assessment.

Community and Workforce Education

UACCB's Community and Professional Skills Training programs offer high-quality, affordable learning opportunities for residents throughout our service area. With options ranging from workforce training to personal enrichment, these programs provide a valuable resource for individuals of all ages and interests.

To explore current offerings, visit uaccb.coursestorm.com, or contact the Community Education Coordinator at (870) 612-2082.

Professional Skills Training and Professional Development

UACCB offers convenient and affordable training that prepares individuals for in-demand careers in just a few weeks. Available programs include Class A and Class B Commercial Driver's License (CDL) training, hazardous materials (HazMat) endorsement preparation, and welding courses delivered in our state-of-the-art Workforce Training Center. Our wide range of non-credit offerings supports both career advancement and new job entry. Upskilling has never been more accessible.

Contract Training for Business

UACCB partners with local employers to deliver customized training solutions tailored to their specific workforce needs. Sessions can be held on-site at your facility or on the UACCB campus. Topics range from Microsoft Excel and other computer applications to OSHA 30 Hour safety training and industry-specific skill development.

Personal Enrichment and Community Education

Our diverse Personal Enrichment class offerings support lifelong learning and community engagement. Courses frequently include digital literacy, hunter education, gardening, and other leisure activities. There's something for everyone—whether you're growing your skills or exploring a new hobby.

Online Learning

In partnership with Ed2Go, UACCB provides a wide selection of online professional skills training courses that lead to industry recognized credentials. These flexible and affordable courses make it easy to learn on your schedule.

Kids' College and Youth Programs

Each summer UACCB hosts Kids' College, a dynamic enrichment program for students entering grades 1 through 6. UACCB also offers STEM-based opportunities for middle and high school students, including camps and programs focused on drone flight training, engineering, model rocketry, LEGO robotics, video game design, and more.

Degrees and Certificates

At the University of Arkansas Community College at Batesville (UACCB), students can choose from a wide variety of degrees and certificates designed to prepare them for success—whether they plan to enter the workforce, transfer to a four-year institution, or advance in their current careers. These programs are organized into five Areas of Interest, helping students explore their passions and align their educational goals with their future.

Each Area of Interest brings together related programs, giving students a clear direction as they navigate their college journey. Explore UACCB's Areas of Interest below to find the path that's right for you.

Business and Computer Science

Whether you're interested in managing people, working with data, or improving organizational processes, this area builds versatile skills in business operations, finance, and computer technology.

General Education and Transfer

This area is ideal for students planning to transfer to a four-year institution or seeking a -- broad academic foundation through core courses in arts, humanities, and sciences.

Nursing and Health Professions

If you're driven to care for others and want to make a direct impact in your community, Health Professions programs offer hands-on training for careers in nursing, emergency care, and allied health fields.

Human Services

For students who are passionate about teaching, public service, or helping others, this area offers pathways in early childhood education, social services, criminal justice, and cosmetology.

Skilled Trades and Agriculture

For students who enjoy working with their hands, solving mechanical problems, or exploring the natural world, this area offers practical training in trades, agriculture, and environmental systems to prepare for in-demand careers.

Business and Computer Science

Computer Science Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Computer Programming	9
Certificate of Proficiency Computer Technology	9
Certificate of Proficiency Network and Security Administration	9
Technical Certificate Computer Technology	30
Technical Certificate Software Development	30
Associate of Applied Science Computer Technology	60

Cybersecurity Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Cybersecurity Fundamentals	12
Technical Certificate Cybersecurity	21

Management and Supervision Degrees and Certificates	Required Credit Hours
Technical Certificate Management and Supervision	30
Associate of Applied Science Management and Supervision	60

Business Degrees	Required Credit Hours
Associate of Science Business	62

Certificate of Proficiency Computer Programming

Program Learning Outcomes

- Apply database design principles and use database management systems effectively.
- Demonstrate ability in at least one modern programming language (e.g., Python, Java, or C++).

Program Requirements

Course Name	Course Number	Credit Hours
Database Fundamentals	CPSI 20263	3
Fundamentals of Programming	CPSI 21563	3
JavaScript Fundamentals	CPSI 26063	3

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Fundamentals of Programming	CPSI 21563	3
Spring	Database Fundamentals JavaScript Fundamentals	CPSI 20263 CPSI 26063	6

Certificate of Proficiency Computer Technology

Program Learning Outcomes

- Develop an understanding of various technology fields and career paths, to enable informed decision making about future studies or professional pursuits in the technology sector.
- Explain the basic components and functions of a computer system.
- Utilize industry-standard tools and technologies for web design.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Computers	CPSI 10003	3
Survey of Computer Technology	CPSI 10363	3
Fundamentals of Web Development	CPSI 22563	3

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Computers Survey of Computer Technology Fundamentals of Web Development	CPSI 10003 CPSI 10363 CPSI 22563	9

Certificate of Proficiency Network and System Administration

Program Learning Outcomes

- Analyze and compare network protocols.
- Recognize basic cybersecurity measures used to protect computer systems and networks.
- Demonstrate ability to apply project management concepts and tools to initiate, plan, execute, monitor, and control a project effectively.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Cybersecurity	CESC 22363	3
Fundamentals of Networking	CPSI 25063	3
Project Management	MGMT 20253	3

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Cybersecurity Project Management	CESC 22363 MGMT 20253	6
Spring	Fundamentals of Networking	CPSI 25063	3

Technical Certificate Computer Technology

Program Learning Outcomes

- Develop an understanding of various technology fields and career paths, to enable informed decision making about future studies or professional pursuits in the technology sector.
- Explain the basic components and functions of a computer system.
- Demonstrate ability in at least one modern programming language (e.g., Python, Java, or C++).
- Apply database design principles and use database management systems effectively.
- Utilize industry-standard tools and technologies for software development and web design.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Computers	CPSI 10003	3
Survey of Computer Technology	CPSI 10363	3
User Interface and Human Interaction	CPSI 12063	3
Database Fundamentals	CPSI 20263	3
Fundamentals of Programming	CPSI 21563	3
Fundamentals of Web Development	CPSI 22563	3
JavaScript Fundamentals	CPSI 26063	3
English Composition I	ENGL 10103	3

English and Writing Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
English Composition II	ENGL 10203	3
Technical Writing for the Workplace	ENGL 20203	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Technical Mathematics	MATH 10103	3
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Computers	CPSI 10003	15
	Survey of Computer Technology	CPSI 10363	
	Fundamentals of Programming	CPSI 21563	
	Fundamentals of Web Development	CPSI 22563	
	English Composition I	ENGL 10103	
Spring	English and Writing Requirement		15
	Math Requirement		
	User Interface and Human Interaction	CPSI 12063	
	Database Fundamentals	CPSI 20263	
	JavaScript Fundamentals	CPSI 26063	

Technical Certificate Software Development

Program Learning Outcomes

- Demonstrate ability in at least one modern programming language (e.g., Python, Java, or C++).
- Utilize industry-standard tools and technologies for software development and web design.
- Apply database design principles and use database management systems effectively.
- Demonstrate ability to apply project management concepts and tools to initiate, plan, execute, monitor, and control a project effectively.

Program Requirements

Course Name	Course Number	Credit Hours
User interface and Human Interaction	CPSI 12063	3
Database Fundamentals	CPSI 20263	3
Fundamentals of Programming	CPSI 21563	3
Fundamentals of Web Development	CPSI 22563	3
JavaScript Fundamentals	CPSI 26063	3
Survey of Programming Languages	CPSI 28063	3
Project Management	MGMT 20253	3
Oral Communication	SPCH 10003	3

English and Writing Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
Technical Writing for the Workplace	ENGL 20203	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Technical Mathematics	MATH 10103	3
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Project Management English and Writing Requirement Fundamentals of Programming Fundamentals of Web Development	MGMT 20253 CPSI 21563 CPSI 22563	12
Spring	JavaScript Fundamentals Math Requirement User Interface and Human Interaction Database Fundamentals	CPSI 26063 CPSI 12063 CPSI 20263	12
2nd Fall	Survey of Programming Languages Oral Communication	CPSI 28063 SPCH 10003	6

Associate of Applied Science Computer Technology

Program Learning Outcomes

- Explain the basic components and functions of a computer system.
- Demonstrate ability in at least one modern programming language (e.g., Python, Java, or C++).
- Analyze and compare different operating systems and network protocols.
- Recognize basic cybersecurity measures used to protect computer systems and networks.
- Utilize industry-standard tools and technologies for software development and web design.
- Apply database design principles and use database management systems effectively.
- Recognize professional standards and ethical behavior in the computing field, including an understanding of the impacts of modern and emerging technologies.
- Design and implement technology-based solutions to meet specific requirements.
- Develop an understanding of various technology fields and career paths, to enable informed decision making about future studies or professional pursuits in the technology sector.
- Demonstrate ability to apply project management concepts and tools to initiate, plan, execute, monitor, and control a project effectively.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Cybersecurity	CESC 22363	3
Introduction to Computers	CPSI 10003	3
Survey of Computer Technology	CPSI 10363	3
User Interface and Human Interaction	CPSI 12063	3
Database Fundamentals	CPSI 20263	3
Emerging Trends in Technology	CPSI 21063	3
Computer Technology Capstone	CPSI 21163	3
Fundamentals of Programming	CPSI 21563	3
Computer Ethics	CPSI 22063	3
Fundamentals of Web Development	CPSI 22563	3
Fundamentals of Networking	CPSI 25063	3
JavaScript Fundamentals	CPSI 26063	3
Survey of Programming Languages	CPSI 28063	3

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
Social Media Management	MGMT 10253	3
Project Management	MGMT 20253	3
Oral Communication	SPCH 10003	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Technical Mathematics	MATH 10103	3
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

English Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
English Composition II	ENGL 10203	3
Technical Writing for the Workplace	ENGL 20203	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3
Principles of Sociology	SOCI 10103	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Applied Science Computer Technology

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Introduction to Computers	CPSI 10003	15
	Survey of Computer Technology	CPSI 10363	
	Math Requirement		
	Fundamentals of Web Development	CPSI 22563	
	English Composition I	ENGL 10103	
1st Spring	User Interface and Human Interaction	CPSI 12063	15
	Database Fundamentals	CPSI 20263	
	JavaScript Fundamentals	CPSI 26063	
	Fundamentals of Programming	CPSI 21563	
	English Requirement		
2nd Fall	Introduction to Cybersecurity	CESC 22563	15
	Survey of Programming Languages	CPSI 28063	
	Social Media Management	MGMT 10253	
	Project Management	MGMT 20253	
	Computer Ethics	CPSI 22063	
2nd Spring	Emerging Trends in Technology	CPSI 21063	15
	Computer Technology Capstone	CPSI 21163	
	Fundamentals of Networking	CPSI 25063	
	Oral Communication	SPCH 10003	
	Social Science Requirement		

Certificate of Proficiency Cybersecurity Fundamentals

Program Learning Outcomes

- Apply the crosscutting concepts related to cybersecurity thought and principles.
- Demonstrate knowledge of computer programming and design.
- Discuss fundamental ethical, legal, and social issues in computer science.
- Understand the components of cybersystems and security issues including requirements and controls.

Program Requirements

Course Name	Course Number	Credit Hours
System Security	CESC 21003	3
Introduction to Cybersecurity	CESC 22363	3
Fundamentals of Programming	CPSI 21563	3
Computer Ethics	CPSI 22063	3

Total Credit Hours Required for Credential Completion: 12

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Cybersecurity Fundamentals of Programming Computer Ethics	CESC 22363 CPSI 21563 CPSI 22063	9
Spring	System Security	CESC 21003	3

Technical Certificate Cybersecurity

Program Learning Outcomes

- Apply the crosscutting concepts related to cybersecurity thought and principles.
- Demonstrate knowledge of computer programming and design.
- Discuss fundamental ethical, legal, and social issues in computer science.
- Understand the components of cybersystems and security issues including requirements and controls.
- Analyze security threats to modern networks and the methods used to secure against threats.
- Categorize logical and physical access control policy and mechanisms for cybersystems.
- Apply mathematical logical and reasoning principles to model problems in computer science.

Program Requirements

Course Name	Course Number	Credit Hours
System Security	CESC 21003	3
Introduction to Cybersecurity	CESC 22363	3
Network Security	CESC 22433	3
Fundamentals of Programming	CPSI 21563	3
Computer Ethics	CPSI 22063	3
Access Control	CPSI 23263	3
Discrete Mathematics	MATH 23103	3

Total Credit Hours Required for Credential Completion: 21

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	System Security Introduction to Cybersecurity Fundamentals of Programming Computer Ethics	CESC 21003 CESC 22363 CPSI 21563 CPSI 22063	12
Spring	Network Security Access Control Discrete Mathematics	CESC 22433 CPSI 23263 MATH 23103	9

Technical Certificate Management and Supervision

Program Learning Outcomes

- Apply critical thinking and problem-solving techniques to address management challenges.
- Analyze financial statements and budgets to make informed business decisions.
- Analyze and evaluate cybersecurity risks, threats, and vulnerabilities in digital environment and develop security strategies that comply with relevant laws and privacy standards.
- Develop professional communication skills to effectively collaborate with internal and external stakeholders.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Business	BUSI 10103	3
Entrepreneurship Strategies and Tools	BUSI 20053	3
Introduction to Cybersecurity	CESC 22363	3
English Composition I	ENGL 10103	3
Customer Relations Management	MGMT 10153	3
Principles of Management	MGMT 20163	3
Principles of Marketing	MKTG 25183	3

Finance Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Principles of Finance	BUSI 22543	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Total Credit Hours Required for Credential Completion: 27

Suggested Course Sequence – Technical Certificate Management and Supervision

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Business Introduction to Cybersecurity English Composition I Principles of Management Math Requirement*	BUSI 10103 CESC 22363 ENGL 10103 MGMT 20163	15
Spring	Entrepreneurship Strategies and Tools Principles of Finance* Customer Relations Management Principles of Marketing	BUSI 20053 BUSI 22543 MGMT 10153 MKTG 25183	12

**If electing to take Principles of Accounting I (ACCT 10003) to satisfy Finance Requirement, complete in the Fall term and complete Math Requirement in the Spring term.*

Associate of Applied Science Management and Supervision

Program Learning Outcomes

- Demonstrate knowledge of effective leadership and supervisory skills in diverse organizational settings.
- Apply critical thinking and problem-solving techniques to address management challenges.
- Develop and implement strategies for team building, motivation, and conflict resolution.
- Utilize data-driven decision-making processes to optimize organizational performance and resource allocation.
- Apply ethical principles and professional standards in business management practices.
- Analyze financial statements and budgets to make informed business decisions.
- Demonstrate understanding of human resource management principles, including recruitment, training, and performance evaluation.
- Exhibit professional communication skills to effectively collaborate with internal and external stakeholders.
- Analyze and evaluate cybersecurity risks, threats, and vulnerabilities in digital environment and develop security strategies that comply with relevant laws and privacy standards.

Program Requirements

Course Name	Course Number	Credit Hours
Legal Environment of Business	BLAW 20003	3
Introduction to Business	BUSI 10103	3
Business Ethics	BUSI 21143	3
Entrepreneurship Strategies and Tools	BUSI 20053	3
Internship	BUSI 26543	3
Introduction to Cybersecurity	CESC 22363	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Public Relations	MGMT 10053	3
Customer Relations Management	MGMT 10153	3
Social Media Management	MGMT 10253	3
Conflict Management	MGMT 20153	3
Principles of Management	MGMT 20163	3

Course Name	Course Number	Credit Hours
Project Management	MGMT 20253	3
Human Resource Management	MGMT 20453	3
Principles of Marketing	MKTG 25183	3
Oral Communication	SPCH 10003	3

Finance Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Principles of Finance	BUSI 22543	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Technical Mathematics	MATH 10103	3
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
General Psychology	PSYC 11003	3
Principles of Sociology	SOCI 10103	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Applied Science Management and Supervision

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Introduction to Business Introduction to Cybersecurity English Composition I Principles of Management Math Requirement*	BUSI 10103 CESC 22363 ENGL 10103 MGMT 20163	15
1st Spring	Entrepreneurship Strategies and Tools Principles of Finance* English Composition II Customer Relations Management Principles of Marketing	BUSI 20053 BUSI 22543 ENGL 10203 MGMT 10153 MKTG 25183	15
2nd Fall	Legal Environment of Business Social Media Management Conflict Management Project Management Human Resource Management	BLAW 20003 MGMT 10253 MGMT 20153 MGMT 20253 MGMT 20453	15
2nd Spring	Business Ethics Internship Public Relations General Psychology Oral Communication	BUSI 21143 BUSI 26543 MGMT 10053 PSYC 11003 SPCH 10003	15

**If electing to take Principles of Accounting I (ACCT 10003) to satisfy Finance Requirement, complete in the Fall term and complete Math Requirement in the Spring term.*

Associate of Science Business

Program Learning Outcomes:

- Demonstrate an understanding of ethical principles and their application in decision-making processes.
- Analyze financial data to assess the performance of businesses and organizations.
- Integrate perspectives from accounting, economics, law and statistics to develop solutions to business obstacles.
- Exhibit proficiency in oral and written communication for business environments.

Program Requirements

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Principles of Accounting II	ACCT 10103	3
Legal Environment of Business	BLAW 20003	3
Computer Software Applications	BUSI 10563	3
Business Statistics	BUSI 21003	3
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
College Algebra	MATH 11003	3
Survey of Calculus/Business Calculus	MATH 22003	3
Principles of Sociology	SOCI 10103	3
Oral Communication	SPCH 10003	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3

Course Name	Course Number	Credit Hours
World Literature II	ENGL 21203	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

Program Elective Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Introduction to Business	BUSI 10103	3
Business Communications	BUSI 20103	3

Recommended program Elective Selection

Transfer Institution	Course Name	Course Number
Arkansas State University	Business Communications	BUSI 20103
Arkansas Tech University	Introduction to Business	BUSI 10103
Henderson State University	Business Communications	BUSI 20103
University of Central Arkansas	Business Communications	BUSI 20103
University of Arkansas Fort Smith	Business Communications	BUSI 20103
University of Arkansas Little Rock	Introduction to Business	BUSI 10103
University of Arkansas Monticello	Business Communications	BUSI 20103
University of Arkansas Pine Bluff	Introduction to Business	BUSI 10103

Total Credit Hours Required for Credential Completion: 62

Suggested Course Sequence – Associate of Science Business - Business Communications Elective Option

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Principles of Accounting I Computer Software Applications English Composition I College Algebra Oral Communication	ACCT 10003 BUSI 10563 ENGL 10103 MATH 11003 SPCH 10003	15
1st Spring	Principles of Accounting II Business Communications English Composition II Survey of Calculus/Business Calculus Social Sciences Requirement	ACCT 10103 BUSI 20103 ENGL 10203 MATH 22003 SPCH 10003	15
2nd Fall	Legal Environment of Business Macroeconomics Microeconomics Physical Sciences Lecture Requirement Physical Sciences Lab Requirement World Civilizations Requirement	BLAW 20003 ECON 21003 ECON 22003	15
2nd Spring	Biology for General Education Lab Biology for General Education Lecture Business Statistics Principles of Sociology Fine Arts Requirement U.S. History or Government Requirement	BIOL 10031 BIOL 10043 BUSI 21003 SOCI 10103	16

Suggested Course Sequence – Associate of Science Business - Introduction to Business Elective Option

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Principles of Accounting I Introduction to Business Computer Software Applications English Composition I College Algebra	ACCT 10003 BUSI 10103 BUSI 10563 ENGL 10103 MATH 11003	15
1st Spring	Principles of Accounting II English Composition II Survey of Calculus/Business Calculus Oral Communication Social Sciences Requirement	ACCT 10103 ENGL 10203 MATH 22003 SPCH 10003	15
2nd Fall	Legal Environment of Business Macroeconomics Microeconomics Physical Sciences Lecture Requirement Physical Sciences Lab Requirement World Civilizations Requirement	BLAW 20003 ECON 21003 ECON 22003	15
2nd Spring	Biology for General Education Lab Biology for General Education Lecture Business Statistics Principles of Sociology Fine Arts Requirement U.S. History or Government Requirement	BIOL 10031 BIOL 10043 BUSI 21003 SOCI 10103	16

General Education and Transfer

General Education Degrees and Certificates	Required Credit Hours
Certificate of General Studies	35
Associate of Arts General Education	60

Teaching Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Teaching	9
Technical Certificate Teaching	31
Associate of Arts Teaching	60

Pre-Engineering Degrees and Certificates	Required Credit Hours
Associate of Science Pre-Engineering	60

STEM Degrees and Certificates	Required Credit Hours
Associate of Science STEM	60

Certificate of General Studies

Program Learning Outcomes

- Improve communication skills, which include listening, speaking, writing, and reading.
- Increase proficiency with computation skills including understanding and applying mathematical concepts and reasoning as well as analyzing and using numerical data.
- Develop technological and information management skills, including the collection, analysis and organization of material from varied sources.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Oral Communication	SPCH 10003	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Introduction to Studio Art	ARTS 10103	3
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Fiction	ENGL 23194	4
Music	MUSC 10003	3
Introduction to Philosophy	PHIL 11003	3
Theater	THTR 10003	3

Computer Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Computer Software Applications	BUSI 10563	3
Digital Literacy	BUSI 10663	3
Introduction to Computers	CPSI 10003	3
Introduction to Computer Science	CPSI 10103	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Essentials of Anatomy and Physiology Lab	BIOL 10151	1
Essentials of Anatomy and Physiology	BIOL 10253	3
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
Principles of Zoology Lab	BIOL 10501	1
Principles of Zoology	BIOL 10503	3
Anatomy and Physiology I Lab	BIOL 24001	1
Anatomy and Physiology I	BIOL 24003	3
Anatomy and Physiology II Lab	BIOL 24101	1
Anatomy and Physiology II	BIOL 24103	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Concepts of Chemistry Lab	CHEM 12131	1
Concepts of Chemistry	CHEM 12143	3
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Physical Geology Lab	GEOL 11101	1
Physical Geology	GEOL 11103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
General Psychology	PSYC 11003	3
Principles of Sociology	SOCI 10103	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

Total Credit Hours for Credential Completion: 35

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	English Composition I Math Requirement Life Sciences Lecture Requirement Life Sciences Lab Requirement Computer Sciences Requirement	ENGL 10103	13
Spring	English Composition II Oral Communication Physical Sciences Lecture Requirement Physical Sciences Lab Requirement Social Sciences Requirement 1 Fine Arts Requirement	ENGL 10203 SPCH 10003	16
Summer	Social Sciences Requirement 2 Social Sciences Requirement 3		6

Associate of Arts General Education

Program Learning Objectives

- Improve communication skills, which include listening, speaking, writing, and reading.
- Increase proficiency with computation skills including understanding and applying mathematical concepts and reasoning as well as analyzing and using numerical data.
- Increase proficiency in critical thinking and problem-solving skills such as creative thinking, analysis, synthesis, evaluation, and decision making.
- Develop technological and information management skills, including the collection, analysis and organization of material from varied sources.
- Develop professional work habits, ethics, and interpersonal skills.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1
Strategies for College Success	UNIV 10173	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Philosophy	PHIL 11003	3

Students must select 3 additional credit hours from either of the Fine Arts and Humanities elective groups to meet this requirement with a total of 9 credit hours:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Music	MUSC 10003	3
Theater	THTR 10003	3
Introduction to Philosophy	PHIL 11003	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Essentials of Anatomy and Physiology Lab **Essentials of Anatomy and Physiology**	BIOL 10151 BIOL 10253	1 3
Biology for General Education Lab **Biology for General Education**	BIOL 10031 BIOL 10043	1 3
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
Principles of Zoology Lab **Principles of Zoology**	BIOL 10501 BIOL 10503	1 3
Anatomy and Physiology I Lab **Anatomy and Physiology I**	BIOL 24001 BIOL 24003	1 3
Anatomy and Physiology II Lab **Anatomy and Physiology II**	BIOL 24101 BIOL 24103	1 3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Concepts of Chemistry Lab **Concepts of Chemistry**	CHEM 12131 CHEM 12143	1 3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3

Course Name	Course Number	Credit Hours
Physical Geology Lab	GEOL 11101	1
Physical Geology	GEOL 11103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
Physics for Health Sciences	PHYS 20104	4
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

9 credit hours from the following required:

Course Name	Course Number	Credit Hours
Cultural Anthropology	ANTH 20103	3
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
Introduction to Cultural Geography	GEOG 12203	3
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Course Name	Course Number	Credit Hours
Social Problems	SOCI 20103	3

Program Elective Requirements

Students are allowed to choose "any" college-level course not already used towards this degree. Specific Program Courses are Excluded (RN, PN, Paramedic, Surgical Tech, Cosmetology).

Higher level courses not listed above but offered by UACCB may also apply toward the elective requirement. Electives are selected with the guidance and approval of the student's navigator or advisor.

Some institutions may accept or deny courses listed above. For specific information regarding the transfer of coursework, students should contact the institution to which they intend to transfer.

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
1st Fall/Spring	Directed Elective* English Composition I College Algebra Strategies for College Success Foundations of Personal Finance	 ENGL 10103 MATH 11003 UNIV 10071 UNIV 10173	13
1st Spring/Fall	English Composition II Oral Communication Physical Sciences Lecture Requirement Physical Sciences Lab Requirement Social Sciences Requirement 1 Fine Arts Requirement	ENGL 10203 SPCH 10003	16
2nd Fall/Spring	Social Sciences Requirement 2 Social Sciences Requirement 3 Humanities Requirement 1 Humanities Requirement 2 Life Sciences Lecture Requirement Life Sciences Lab Requirement		16
2nd Spring/Fall	Social Sciences Requirement 4 Social Sciences Requirement 5 Elective Elective Elective		15

*Eligible for the Certificate of General Studies if completing Digital Literacy, Computer Software Applications, or Introduction to Computers as a Program Elective Requirement in term 1.

Certificate of Proficiency Teaching

Program Learning Outcomes

- Demonstrate knowledge of child development theories and their application to diverse learners in educational settings.
- Design and implement engaging lesson plans that align with state curriculum standards and accommodate diverse learning needs.
- Integrate technology into the classroom to enhance teaching and learning experience.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Education	EDHP 20093	3
Introduction to K-12 Educational Technology	EDHP 21063	3

Program Electives

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Child Growth and Development	ECED 11003	3
General Psychology	PSYC 11003	3

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Education Elective	ECED 11003	6
Spring	Introduction to K-12 Educational Technology	EDHP 21063	3

Technical Certificate Teaching

Program Learning Objectives

- Demonstrate knowledge of child development theories and their application to diverse learners in educational settings.
- Design and implement engaging lesson plans that align with state curriculum standards and accommodate diverse learning needs.
- Integrate technology into the classroom to enhance teaching and learning experience.
- Demonstrate a thorough understanding of real numbers, mathematical systems, elementary algebra, probability and statistics, and geometry with applications.
- Develop professional communication skills to effectively collaborate with internal and external stakeholders.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Education	EDHP 20093	3
Introduction to K-12 Educational Technology	EDHP 21063	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Math I (Fall Only)	MATH 21043	3
Math II	MATH 21143	3
Oral Communication	SPCH 10003	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10031	1
Biology for Majors	BIOL 10101	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Program Electives

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Child Growth and Development	ECED 11003	3
Developmental Psychology	PSYC 21003	3

Total Credit Hours Required for Credential Completion: 31

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Introduction to Education English Composition I Math Requirement Oral Communication	EDHP 20093 ENGL 10103 SPCH 10003	12
1st Spring	Child Growth and Development English Composition II Math II Life Sciences Lecture Requirement Life Sciences Lab Requirement	ECED 11003 ENGL 10203 MATH 21143	13
2nd Fall	Introduction to K-12 Educational Tech. Math I	EDHP 21063 MATH 21043	6

Associate of Arts Teaching

Program Learning Outcomes

- Demonstrate knowledge of child development theories and their application to diverse learners in educational settings.
- Design and implement engaging lesson plans that align with state curriculum standards and accommodate diverse learning needs.
- Integrate technology into the classroom to enhance teaching and learning experience.
- Demonstrate a thorough understanding of real numbers, mathematical systems, elementary algebra, probability and statistics, and geometry with applications.
- Develop professional communication skills to effectively collaborate with internal and external stakeholders.
- Demonstrate an understanding of the historical development of Arkansas and analyze the interconnections between Arkansas's development and the current worldview.

Program Requirements

Course Name	Course Number	Credit Hours
Child Growth and Development	ECED 11003	3
Introduction to Education	EDHP 20093	3
Introduction to K-12 Educational Technology	EDHP 21063	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Arkansas History	HIST 25503	3
Math I (Fall Only)	MATH 21043	3
Math II (Spring Only)	MATH 21143	3
United States Government	PLSC 20003	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1
Strategies for College Success	UNIV 10173	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3

Course Name	Course Number	Credit Hours
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Physical Geology Lab	GEOL 11101	1
Physical Geology	GEOL 11103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
General Psychology	PSYC 11003	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Optional Elective

Course Name	Course Number	Credit Hours
Art for Elementary Teachers	EDHP 10092	2
Elementary Classroom Music	EDHP 10192	2
Engaging All Learners	EDHP 20193	3
Liberal Arts in Elementary	EDHP 20293	3
Teaching Physical Education	EDHP 20393	3
Children's Literature in Elementary	EDHP 20493	3

Total Credit Hours Required for Credential Completion: 60-63

Suggested Course Sequence – Associate of Arts Teaching

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Introduction to Education English Composition I United States Government General Psychology (Directed Elective) Strategies for College Success	EDHP 20093 ENGL 10103 PLSC 20003 PSYC 11003 UNIV 10173	15
1st Spring	Child Growth and Development Introduction to K-12 Education Tech. English Composition II Math Requirement Physical Sciences Lecture Requirement Physical Sciences Lab Requirement	ECED 11003 EDHP 21063 ENGL 10203	16
2nd Fall	Math I Oral Communication Life Sciences Lecture Requirement Life Sciences Lab Requirement World Civilization Requirement World Literature Requirement	MATH 21043 SPCH 10003	16
2nd Spring	Optional Elective: Engaging all Learners* Arkansas History Math II Foundations of Personal Finance Fine Arts Requirement U.S. History Requirement	EDHP 20193 HIST 25503 MATH 21143 UNIV 10071	13-16

* Students are not required to complete this course to fulfill degree requirements but may elect to complete the additional elective.

Associate of Science Pre-Engineering

Program Learning Outcomes

- Demonstrate a solid understanding of fundamental principles in mathematics, including calculus.
- Demonstrate an understanding of the engineering design process.
- Acquire and apply technical skills relevant to their specific field of interest.
- Effectively communicate information in both written and oral forms.

Program Requirements

Course Name	Course Number	Credit Hours
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Macroeconomics	ECON 21003	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Introduction to Engineering	GNEG 11003	3
College Algebra	MATH 11003	3
Calculus I	MATH 24004	4
Calculus II	MATH 25004	4
Oral Communication	SPCH 10003	3

Fine Arts and Humanities

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Philosophy	PHIL 11003	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

Program Electives

14 credit hours from the following required:

Course Name	Course Number	Credit Hours
Microbiology Lab **Microbiology**	BIOL 20001 BIOL 20003	1 3
Concepts of Chemistry Lab **Concepts of Chemistry**	CHEM 12131 CHEM 12143	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3
Physical Geology Lab **Physical Geology**	GEOL 11101 GEOL 11103	1 3
Trigonometry*	MATH 12003	3
Statistics	MATH 21003	3
Calculus III	MATH 26004	4
University Physics I Lab **University Physics I**	PHYS 20301 PHYS 20303	1 3
University Physics II Lab **University Physics II**	PHYS 20401 PHYS 20403	1 3

*Must be completed prior to taking Calculus I (MATH 24004)

Requirements for Credential Completion

Introduction to Engineering (GNEG 11003) is not currently offered at UACCB. This course is required and must be completed with a grade of C or higher through another institution and transferred to UACCB for program completion.

Program Notes

Before transferring to the University of Arkansas Fayetteville (UAF), students should work with their navigator or advisor to plan to take University Physics. University Physics is not a requirement of the Associate of Science Pre-Engineering program at UACCB but is required prior to entry into the School of Engineering at UAF.

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Science Pre-Engineering Biology Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	Microbiology Lab Microbiology English Composition II Introduction to Engineering Trigonometry Social Sciences Requirement	BIOL 20001 BIOL 20003 ENGL 10203 GNEG 11003 MATH 12003	16
2nd Fall	College Chemistry I Lab College Chemistry I Macroeconomics Calculus I Program Elective Social Sciences Requirement	CHEM 14101 CHEM 14103 ECON 21003 MATH 24004	17
2nd Spring	College Chemistry II Lab College Chemistry II Calculus II Fine Arts Requirement Humanities Requirement	CHEM 14201 CHEM 14203 MATH 25004	14
2nd Summer	Calculus III *Optional elective not required for program completion.*	MATH 26004	4

Suggested Course Sequence – Associate of Science Pre-Engineering - Non-Biology Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	English Composition I College Algebra Oral Communication Fine Arts Requirement Social Sciences Requirement	ENGL 10103 MATH 11003 SPCH 10003	15
1st Spring	Biology for Majors Lab Biology for Majors English Composition II Introduction to Engineering Trigonometry Program Elective	BIOL 10101 BIOL 10103 ENGL 10203 GNEG 11003 MATH 12003	16
2nd Fall	College Chemistry I Lab College Chemistry I Macroeconomics Calculus I University Physics I Lab University Physics I	CHEM 14101 CHEM 14103 ECON 21003 MATH 24004 PHYS 20301 PHYS 20303	15
2nd Spring	Calculus II University Physics II Lab University Physics II Humanities Requirement Social Sciences Requirement	MATH 25004 PHYS 20401 PHYS 20403	14
2nd Summer	Calculus III *Optional elective not required for program completion.*	MATH 26004	4

Associate of Science STEM

Program Learning Outcomes

- Demonstrate a strong understanding of core scientific and mathematical principles.
- Acquire and apply technical skills relevant to the specific STEM field.
- Recognize and adhere to professional standards and practices in STEM fields.
- Effectively communicate information in both written and oral forms.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
College Algebra	MATH 11003	3
Oral Communication	SPCH 10003	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Philosophy	PHIL 11003	3

Science Requirement

8 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3

Course Name	Course Number	Credit Hours
Physics for Health Sciences	PHYS 20104	4
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3
University Physics II Lab	PHYS 20401	1
University Physics II	PHYS 20403	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Cultural Anthropology	ANTH 20103	3
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3
Social Problems	SOCI 20103	3

Program Elective Requirement

25 credit hours required form the following:

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Medical Terminology	ALHE 10503	3
Nutrition	ALHE 20033	3
Health Assessment	ALHE 20103	3
Cultural Anthropology	ANTH 20103	3
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
General Botany Lab **General Botany**	BIOL 10301 BIOL 10303	1 3
Principles of Zoology Lab **Principles of Zoology**	BIOL 10501 BIOL 10503	1 3
Pathophysiology for Health Care	BIOL 21053	3
Anatomy and Physiology I Lab **Anatomy and Physiology I**	BIOL 24001 BIOL 24003	1 3
Anatomy and Physiology II Lab **Anatomy and Physiology II**	BIOL 24101 BIOL 24103	1 3
Microbiology Lab **Microbiology**	BIOL 20001 BIOL 20003	1 3
System Security	CESC 21003	3
Introduction to Cybersecurity	CESC 22363	3
Network Security	CESC 22433	3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3
Introduction to Computer Science	CPSI 10103	3
Fundamentals of Programming	CPSI 21563	3
Computer Ethics	CPSI 22063	3
Access Control	CPSI 23263	3
Introduction to Data Science	DASC 10003	3
Physical Geology Lab **Physical Geology**	GEOL 11101 GEOL 11103	1 3

Course Name	Course Number	Credit Hours
Introduction to Engineering	GNEG 11003	3
Trigonometry	MATH 12003	3
Statistics	MATH 21003	3
Survey of Calculus/Business Calculus	MATH 22003	3
Discrete Mathematics	MATH 23103	3
Calculus I	MATH 24004	4
Calculus II	MATH 25004	4
Calculus III	MATH 26004	4
Introduction to Philosophy	PHIL 11003	3
Physical Science Lab **Physical Science**	PHSC 10031 PHSC 10043	1 3
University Physics I Lab **University Physics I**	PHYS 20301 PHYS 20303	3 1
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Science STEM Biology Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	Microbiology Lab Microbiology English Composition II Trigonometry Fine Arts Requirement Social Sciences Requirement	BIOL 20001 BIOL 20003 ENGL 10203 MATH 12003	16
2nd Fall	Anatomy and Physiology I Lab Anatomy and Physiology College Chemistry I Lab College Chemistry I Calculus I Social Sciences Requirement	BIOL 24001 BIOL 24003 CHEM 14101 CHEM 14103 MATH 24004	15
2nd Spring	Calculus II Humanities Requirement Program Elective Program Elective Social Sciences Requirement	MATH 25004	16
2nd Summer	Calculus III *Optional elective not required for Biology concentration completion.*	MATH 26004	4

Suggested Course Sequence – Associate of Science STEM Chemistry Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	English Composition II Trigonometry Fine Arts Requirement Program Elective Social Sciences Requirement	ENGL 10203 MATH 12003	15
2nd Fall	College Chemistry I Lab College Chemistry I Calculus I Physical Science Lab Physical Science Social Sciences Requirement	CHEM 14101 CHEM 14103 MATH 24004 PHSC 10031 PHSC 10043	15
2nd Spring	College Chemistry II Lab College Chemistry II Calculus II Humanities Requirement Program Elective Social Sciences Requirement	CHEM 14201 CHEM 14203 MATH 25004	17
2nd Summer	Calculus III *Optional elective not required for Chemistry concentration completion.*	MATH 26004	4

Suggested Course Sequence – Associate of Science STEM Mathematics Concentration

Term	Course Name	Course Number	Credit Hours
1st Fall	Biology for Majors Lab Biology for Majors English Composition I College Algebra Oral Communication	BIOL 10101 BIOL 10103 ENGL 10103 MATH 11003 SPCH 10003	13
1st Spring	English Composition II Trigonometry Statistics Fine Arts Requirement Social Sciences Requirement	ENGL 10203 MATH 12003 MATH 21003	15
2nd Fall	College Chemistry I Lab College Chemistry I Calculus I Physical Science Lab Physical Science Social Sciences Requirement	CHEM 14101 CHEM 14103 MATH 24004 PHSC 10031 PHSC 10043	15
2nd Spring	Discrete Mathematics Calculus II Humanities Requirement Program Elective Social Sciences Requirement	MATH 23103 MATH 25004	16
2nd Summer	Calculus III	MATH 26004	4

Nursing and Health Professions

Emergency Medical Services Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Emergency Medical Technology Basic	7
Technical Certificate Emergency Medical Technology	38
Associate of Applied Science Emergency Medical Technology	64

Health Professions Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Health Professions	16
Certificate of Proficiency Nursing Assistant	7
Certificate of Proficiency Patient Care Technician	17
Certificate of Proficiency Phlebotomy	7
Technical Certificate Health Professions	26
Associate of Science Health Professions	60

Nursing Degrees and Certificates	Required Credit Hours
Technical Certificate Practical Nursing	36
Associate of Applied Science Registered Nursing	67

Certificate of Proficiency Emergency Medical Technology Basic

Program Learning Outcomes

- Students will develop competency in cognitive, psychomotor, and affective domains.
- Students will communicate effectively.
- Students will use critical thinking and problem-solving skills.
- Students will demonstrate professional development and growth.
- The program will measure ongoing effectiveness.

Program Requirements

Course Name	Course Number	Credit Hours
Basic Emergency Medical Technician	EMSC 11007	7

Requirements for Program Entry and Completion

To complete this program, students must:

- Maintain American Heart Association Healthcare Provider CPR throughout the program.
- Provide proof of two MMR vaccinations and one varicella vaccine or positive titer
- Provide proof of negative tuberculin skin test or documentation of appropriate follow-up care in case of positive test results.
- Provide proof of Hepatitis B series or signed information consent waiver.
- Submit to a criminal background check as required by the Arkansas Department of Health.

Students must successfully complete all requirements with a grade of "C" or better.

Total Credit Hours Required for Credential Completion: 7

Program Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall/Summer	Basic Emergency Medical Technician	EMSC 11007	7

Technical Certificate Emergency Medical Technology Paramedic

Program Learning Outcomes

- Develop communication skills that will enhance patient care (affective).
- Exhibit skills to work independently as the lead paramedic (psychomotor).
- Formulate critical thinking skills to all prehospital situations (cognitive).
- Generate differential diagnosis when evaluating the medical/trauma patient (cognitive).
- Initiate legal documentation that involves all patient care and permanent records (cognitive).
- Internalize professional behavior (affective).

Program Requirements

Course Name	Course Number	Credit Hours
Paramedic I	EMSC 20114	14
Paramedic II	EMSC 22116	16
Paramedic III	EMSC 22008	8

Program Prerequisites

Before entering the program, students must successfully complete the following with a grade of "C" or better:

- Basic Emergency Medical Technician (EMSC 11007)
- Essentials of Anatomy and Physiology and Lab (BIOL 10253/BIOL 10151) *
- Medical Terminology (ALHE 10503)

*May be substituted with Anatomy and Physiology I with Lab (BIOL 24003/BIOL 24001) and Anatomy and Psychology II with Lab (BIOL 10253/BIOL 10151)

Requirements for Program Entry and Completion

Certification by the Arkansas Department of Health as an Emergency Medical Technology (EMT) – Basic is required prior to entry into the paramedic program.

Students must:

- Maintain American Heart Association Healthcare Provider CPR throughout the program.
- Provide proof of two MMR vaccinations and one varicella vaccine or positive titer
- Provide proof of negative tuberculin skin test or documentation of appropriate follow-up care in case of positive test results.
- Provide proof of Hepatitis B series or signed information consent waiver.
- Submit to a criminal background check as required by the Arkansas Department of Health for licensure.

- Successfully complete all requirements with a grade of “C” or better.

Total Credit Hours Required for Credential Completion: 38

Program Course Sequence

Term	Course Name	Course Number	Credit Hours
Fall	Paramedic I	EMSC 20114	14
Spring	Paramedic II	EMSC 22116	16
Summer	Paramedic III	EMSC 22008	8

Associate of Applied Science Emergency Medical Technology Paramedic

Program Learning Outcomes

- Develop communication skills that will enhance patient care (affective).
- Exhibit skills to work independently as the lead paramedic (psychomotor).
- Formulate critical thinking skills to all prehospital situations (cognitive).
- Generate differential diagnosis when evaluating the medical/trauma patient (cognitive).
- Initiate legal documentation that involves all patient care and permanent records (cognitive).
- Internalize professional behavior (affective).

Program Requirements

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Essentials of Anatomy and Physiology Lab*	BIOL 10151	1
Essentials of Anatomy and Physiology*	BIOL 10253	3
Basic Emergency Medical Technician	EMSC 11007	7
Paramedic I	EMSC 20114	14
Paramedic II	EMSC 22116	16
Paramedic III	EMSC 22008	8
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Technical Mathematics	MATH 10103	3

*May be substituted with Anatomy and Physiology I with Lab (BIOL 24003/BIOL 24001) AND Anatomy and Physiology II with Lab (BIOL 10253/BIOL 10151).

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
General Psychology	PSYC 11003	3
Principles of Sociology	SOCI 10103	3

Requirements for Program Entry and Completion

Certification by the Arkansas Department of Health as an Emergency Medical Technology (EMT) – Basic is required prior to entry into the paramedic program.

Students must:

- Maintain American Heart Association Healthcare Provider CPR throughout the program.
- Provide proof of two MMR vaccinations and one varicella vaccine or positive titer
- Provide proof of negative tuberculin skin test or documentation of appropriate follow-up care in case of positive test results.
- Provide proof of Hepatitis B series or signed information consent waiver.
- Submit to a criminal background check as required by the Arkansas Department of Health for.
- Successfully complete all requirements with a grade of "C" or better.

Total Credit Hours Required for Credential Completion: 64

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
1st Fall	English Composition I Basic Emergency Medical Technology Medical Terminology Technical Mathematics	ENGL 10103 EMSC 11007 ALHE 10503 MATH 10103	16
1st Spring	English Composition II Ess. of Anatomy and Physiology Lab* Essentials of Anatomy and Physiology* General Psychology	ENGL 10203 BIOL 10151 BIOL 10253 PSYC 11003	10
2nd Fall	Paramedic I	EMSC 20114	14
2nd Spring	Paramedic II	EMSC 22116	16
2nd Summer	Paramedic III	EMSC 22008	8

**May be substituted with Anatomy and Physiology I with Lab (BIOL 24003/BIOL 24001) AND Anatomy and Physiology II with Lab (BIOL 10253/BIOL 10151).*

Certificate of Proficiency Nursing Assistant

Program Learning Outcomes

- Demonstrate basic nurse assistant skills.
- Perform the duties and responsibilities of a nursing assistant.
- Demonstrate when to seek the nurse to report and observe change in the client.
- Address infection control standards and discuss several common diseases.
- Demonstrate ability to document observations of client needs.
- Address psychosocial issues of clients in health care facilities.
- Discuss Good Samaritan laws and who they protect and to what extent.
- Respond to a client in an emergency situation, get their data, and report appropriately.
- React to client situations utilizing the concepts of CA be (circulation, airway, and breathing).
- Utilize common terminology; Recognize important signs/ symptoms.
- Demonstrate communication (listening and reporting) skills
- Explain care needs of the geriatric client and care needs as related to dementia.

Program Requirements

Course Name	Course Number	Credit Hours
Health Skills I	ALHE 15037	7

Requirements for Program Entry and Completion

Students must earn a "C" or better and meet attendance requirements as set by the Arkansas Office of Long-term Care.

Total Credit Hours Required for Credential Completion: 7

Program Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall or Spring	Health Skills I	ALHE 15037	7

Certificate of Proficiency Phlebotomy

Program Learning Outcomes

- List the steps in selected specimen collection procedures performed by the phlebotomy technician.
- Discuss the safety procedures in the healthcare setting and specifically in performing specimen collection procedures.
- Identify specific supplies and equipment used in selected specimen collection procedures.
- Participate in a discussion about precautions and guidelines when collecting specimens in special populations such as pediatrics and geriatrics.
- Define quality of care and explain the impact on patient medical care when quality and safety are compromised in phlebotomy procedures.
- Describe the anatomy, physiology, pathophysiology, and medical terminology associated with phlebotomy.
- Discuss the requirements of the successful phlebotomy career including desired character traits, training, and education roles and responsibilities.
- Demonstrate professional communication techniques with clients and others in the healthcare setting verbally, nonverbally, with health record and using computer systems.
- Identify common legal issues, ethical issues, and regulatory issues commonly impacting the phlebotomist.

Program Requirements

Course Name	Course Number	Credit Hours
Phlebotomy	ALHE 16037	7

Students must successfully complete all requirements with a grade of "C" or better.

Total Credit Hours Required for Credential Completion: 7

Program Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall or Spring	Phlebotomy	ALHE 16037	7

Certificate of Proficiency Patient Care Technician

Program Learning Outcomes

- Demonstrate proficiency in foundational patient care skills, including specimen collection, infection control, and emergency response, while adhering to safety and quality standards.
- Communicate effectively with patients, families, and healthcare teams using professional verbal, nonverbal, and written techniques, including medical terminology.
- Apply ethical principles, legal standards, and regulatory guidelines in delivering patient care and performing healthcare procedures.
- Provide compassionate and competent care tailored to the unique needs of diverse populations, including pediatric, geriatric, and dementia patients.
- Collaborate with healthcare professionals by accurately documenting observations, recognizing critical patient symptoms, and reporting changes in patient status.

Program Requirements

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Health Skills	ALHE 15037	7
Phlebotomy	ALHE 16037	7

Students must successfully complete all requirements with a grade of "C" or better.

Total Credit Hours Required for Credential Completion: 17

Suggested Course Sequence

Term	Course Name	Course Number	Credit Hours
Fall or Spring	Medical Terminology Health Skills Phlebotomy	ALHE 10503 ALHE 15037 ALHE 16037	17

Certificate of Proficiency Health Professions

Program Learning Outcomes

- Demonstrate foundational knowledge in science and mathematics to support health-related learning.
- Communicate effectively in written and verbal formats appropriate to academic and professional contexts.
- Apply critical thinking to evaluate information and solve problems in health-related scenarios.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3
Math for Healthcare Professions	MATH 12103	3

Science Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab **Biology for General Education**	BIOL 10031 BIOL 10043	1 3
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
Essentials of Anatomy and Physiology Lab **Essentials of Anatomy and Physiology**	BIOL 10151 BIOL 10253	1 3
Anatomy and Physiology I Lab **Anatomy and Physiology I**	BIOL 24001 BIOL 24003	1 3

Program Electives

6 credit hours from the following required:

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Introduction to Health Professions	ALHE 11043	3

Course Name	Course Number	Credit Hours
Digital Literacy	BUSI 10663	3
General Psychology	PSYC 11003	3
Principles of Sociology	SOCI 10103	3
Oral Communication	SPCH 10003	3
Strategies for College Success	UNIV 10173	3

Total Credit Hours Required for Credential Completion: 16

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall or Spring	English Composition I Math Requirement Science Lecture Requirement Science Lab Requirement Elective Option Elective Option	ENGL 10103	16

Technical Certificate Health Professions

Program Learning Outcomes

- Apply knowledge of science and mathematics to analyze and interpret concepts relevant to health and wellness.
- Demonstrate effective written and verbal communication skills across academic and professional settings.
- Use critical thinking to evaluate information, solve problems, and make informed decisions in health-related contexts.
- Recognize the influence of cultural, social, and behavioral factors on health and healthcare practices.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3
Math for Healthcare Professions	MATH 12103	3

Science Requirement

8 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab **Biology for General Education**	BIOL 10031 BIOL 10043	1 3
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
Essentials of Anatomy and Physiology Lab **Essentials of Anatomy and Physiology**	BIOL 10151 BIOL 10253	1 3
Microbiology Lab **Microbiology**	BIOL 20001 BIOL 20003	1 3
Anatomy and Physiology I Lab **Anatomy and Physiology I**	BIOL 24001 BIOL 24003	1 3
Anatomy and Physiology II Lab	BIOL 24101	1

Course Name	Course Number	Credit Hours
Anatomy and Physiology II	BIOL 24103	3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3
Physical Science Lab **Physical Science**	PHSC 10031 PHSC 10043	1 3
Physics for Health Science	PHYS 20104	4
University Physics I Lab **University Physics I**	PHYS 20301 PHYS 20303	1 3

Program Electives

9 credit hours from the following required:

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Introduction to Health Professions	ALHE 11043	3
Visual Art	ARHS 10003	3
Digital Literacy	BUSI 10663	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
Music	MUSC 10003	3
General Psychology	PSYC 11003	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3
Oral Communication	SPCH 10003	3
Theater	THTR 10003	3
Strategies for College Success	UNIV 10173	3

Total Credit Hours Required for Program Completion: 26

Suggested Course Sequence – Technical Certificate Health Professions

Term	Course Name	Course Number	Total Credit Hours
Fall or Spring	English Composition I Math Requirement Science Lecture Requirement Science Lab Requirement Elective Option Elective Option	ENGL 10103	16
Spring or Fall	English Composition II Science Lecture Option Science Lab Option Elective	ENGL 10203	10

Associate of Science Health Professions

Program Learning Outcomes

- Apply foundational knowledge from natural sciences, social sciences, and humanities to understand health and wellness concepts.
- Communicate effectively through written, verbal, and digital formats in academic and professional health contexts.
- Use critical thinking and ethical reasoning to evaluate health-related problems and propose appropriate solutions.
- Examine the impact of historical, cultural, and global perspectives on healthcare practices and policies.

Program Requirements

Course Name	Course Number	Credit Hours
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Introduction to Philosophy	PHIL 11003	3
General Psychology	PSYC 11003	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1
Strategies for College Success	UNIV 10173	3

Fine Arts and Humanities Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Essentials of Anatomy and Physiology Lab	BIOL 10151	1
Essentials of Anatomy and Physiology	BIOL 10253	3
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
Anatomy and Physiology I Lab	BIOL 24001	1
Anatomy and Physiology I	BIOL 24003	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
Physics for Health Sciences	PHYS 20104	4
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3

Program Electives

21 credit hours from the following required:

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Introduction to Health Professions	ALHE 11043	3
Health Skills I	ALHE 15037	7
Nutrition	ALHE 20033	3
Health Assessment	ALHE 20103	3
Biology for General Education Lab **Biology for General Education**	BIOL 10031 BIOL 10043	1 3
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
Essentials of Anatomy and Physiology Lab **Essentials of Anatomy and Physiology**	BIOL 10151 BIOL 10253	1 3
Microbiology Lab **Microbiology**	BIOL 20001 BIOL 20003	1 3
Pathophysiology for Health Care	BIOL 21053	3
Anatomy and Physiology I Lab **Anatomy and Physiology I**	BIOL 24001 BIOL 24003	1 3
Anatomy and Physiology II Lab **Anatomy and Physiology II**	BIOL 24101 BIOL 24103	1 3
Digital Literacy	BUSI 10663	3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3
College Chemistry II Lab **College Chemistry II**	CHEM 14201 CHEM 14203	1 3
Trigonometry	MATH 12003	3
Math for Healthcare Professions	MATH 12103	3
Statistics	MATH 21003	3
Calculus I (Fall Only)	MATH 24004	4
Physical Science Lab **Physical Science**	PHSC 10031 PHSC 10043	1 3
Physics for Health Sciences	PHYS 20104	4
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	3

Course Name	Course Number	Credit Hours
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3
University Physics II Lab	PHYS 20401	1
University Physics II	PHYS 20403	3
Principles of Sociology	SOCI 10103	3

Total Credit Hours for Credential Completion: 60

Suggested Course Sequence

Term	Course Name	Course Number	Credit Hours
1st Fall	English Composition I	ENGL 10103	14
	Mathematics Requirement		
	Strategies for College Success	UNIV 10173	
	Foundations of Personal Finance	UNIV 10071	
	Life Sciences Lecture Requirement		
	Life Sciences Lab Requirement		
1st Spring	English Composition II	ENGL 10203	16
	Introduction to Philosophy	PHIL 11003	
	Elective		
	Physical Sciences Lecture Requirement		
	Physical Sciences Lab Requirement		
	Fine Arts Requirement		
2nd Fall	Oral Communication	SPCH 10003	15
	World Civilizations Requirement		
	General Psychology	PSYC 11003	
	Elective		
	Elective		
2nd Spring	U.S. History or Government Requirement		15
	Elective		
	Elective		
	Elective		
	Elective		

Technical Certificate Practical Nursing

Program Learning Outcomes

- Analyze the nursing process in identifying the client's basic physical, mental, emotional, socio-cultural, and spiritual needs.
- Support appropriate oral & written communication techniques with clients, family members, and associates with respect and empathy.
- Demonstrate theory in clinical practice by functioning as a competent member of the health care team, within the practical nursing scope of practice as outlined by the Nurse Practice Act.
- Adapt nursing care to meet client needs in restoring, promoting, maintaining physical and mental health, and preventing illness.
- Modify principles of growth and development, adapting care to meet physical, emotional, and social development for clients of all ages.
- Illustrate legal and ethical principles in personal and vocational relationships, while assuming accountability and responsibility for delegation of duties to unlicensed personnel.
- Master competence in medication administration and continue to adhere to medication administration rotation guidelines that are within the scope of the student practical nurse.
- Evaluate caring behaviors that promote client dignity, autonomy, and individuality in seeking and attaining optimum health.
- Assist in evaluating the effectiveness of teaching in meeting the learning needs of the client.
- Evaluate the role of the practical nurse, demonstrating competence and professionalism.

Program Requirements

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Essentials of Anatomy and Physiology Lab*	BIOL 10151	1
Essentials of Anatomy and Physiology*	BIOL 10253	3
English Composition I	ENGL 10103	3
Math for Healthcare Professions	MATH 12103	3
PN Theory I	PNUR 11210	10
PN Practicum I	PNUR 11055	5
PN Theory II	PNUR 12110	10
PN Practicum II	PNUR 12055	5
PN Theory III	PNUR 13054	4

Course Name	Course Number	Credit Hours
PN Practicum III (Summer Only)	PNUR 13052	2

*May be substituted with Anatomy and Physiology I with Lab (BIOL 24003/BIOL 24001) AND Anatomy and Physiology II with Lab (BIOL 10253/BIOL 10151).
Students must successfully complete all requirements with a grade of "C" or better.

Program Prerequisites

Before entering the program, students must successfully complete the following with a grade of "C" or better:

- Medical Terminology (ALHE 10503)
- Essentials of Anatomy with Lab (BIOL 10253/BIOL 10151)
- English Composition I (ENGL 10103)
- Math for Healthcare Professions (MATH 12103)

For complete information on application, enrollment, and completion requirements please visit www.uaccb.edu/nursing.

Total Credit Hours Required for Credential Completion: 49

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Medical Terminology Essentials of A&P Lab Essentials of A&P English Composition I Math for Healthcare Professionals	ALHE 10503 BIOL 10151 BIOL 10253 ENGL 10103 MATH 12103	13
Spring	**Submit Application for Practical Nursing Program**		
Fall	PN Theory I PN Practicum I	PNUR 11210 PNUR 11055	15
Spring	PN Theory II PN Practicum II	PNUR 12110 PNUR 12055	15
Summer	PN Theory III PN Practicum III	PNUR 13054 PNUR 13052	6

Associate of Applied Science Registered Nursing

Program Learning Outcomes

- Provide client-centered, culturally competent nursing care for clients across the lifespan (QSEN: Client-Centered Care).
- Utilize best current evidence as a basis for clinical judgement to meet the holistic health care needs of clients in a variety of health care settings (QSEN: Evidence-Based Practice).
- Exemplify professional behaviors as a nursing leader that incorporate integrity, excellence, and legal/ethical standards and principles (QSEN: Professionalism).
- Collaborate with the nursing and healthcare team members to provide safe, quality client care (QSEN: Teamwork and Collaboration; Safety and Quality).

Program Requirements

Course Name	Course Number	Credit Hours
Nursing Theory I	NURS 15008	8
Nursing Practicum I	NURS 15105	5
Nursing Theory II	NURS 22010	10
Nursing Practicum II	NURS 22105	5
Nursing Theory III	NURS 23010	10
Nursing Practicum III	NURS 23105	5

Students must successfully complete all requirements with a grade of "C" or better.

Program Prerequisites

Before entering the program, students must successfully complete the following with a grade of "C" or better:

- Anatomy and Physiology I with Lab (BIOL 24003/BIOL 24001)
- Anatomy and Physiology II with Lab (BIOL 10253/BIOL 10151)
- Microbiology with Lab (BIOL 20003/BIOL 20001)
- English Composition I (ENGL 10103)
- English Composition II (ENGL 10203)
- Math for Healthcare Professions (MATH 12103)

Program Pre and Corequisites

General Psychology (PSYC 11003)

  - Licensed Practical Nurse to Registered Nurse Track: must be completed as a prerequisite prior to program entry.

- Licensed Practical Nurse to Registered Nurse Online Track: must be completed as a prerequisite prior to program entry.
- Traditional Registered Nurse Track: must be completed as a prerequisite prior to program entry or within the first term of program enrollment.

Program Information

The Registered Nursing program is offered in multiple tracks:

- Licensed Practical Nurse to Registered Nurse
- Licensed Practical Nurse to Registered Nurse (Online)
- Traditional Registered Nurse

For complete information on application, enrollment, and completion requirements please visit www.uaccb.edu/nursing.

Total Credit Hours required for Credential Completion: 67

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall or Spring	Anatomy and Physiology I Lab Anatomy and Physiology I English Composition I Math for Healthcare Professions Psychology		13
Spring or Fall	Anatomy and Physiology II Lab Anatomy and Physiology II Microbiology Lab Microbiology English Composition II		11
Fall or Spring	**Submit Application for Registered Nursing Program**		
Fall or Spring	Nursing Theory I Nursing Practicum I General Psychology	NURS 15008 NURS 15105 PSYC 11003	16
Spring or Fall	Nursing Theory II Nursing Practicum II	NURS 22010 NURS 22105	15
Fall or Spring	Nursing Theory III Nursing Practicum III	NURS 23010 NURS 23105	15

Human Services

Cosmetology Degrees and Certificates	Required Credit Hours
Technical Certificate Cosmetology	42
Certificate of Proficiency Cosmetology Instructor	18

Criminal Justice Degrees and Certificates	Required Credit Hours
Associate of Science Criminal Justice	60

Criminal Justice Institute Training for Current Law Enforcement Officers

The Criminal Justice Institute of the University of Arkansas System and UACCB partner to offer the following for persons who are currently certified law enforcement officers.

- Certificate of Proficiency Crime Scene Investigation
- Certificate of Proficiency Law Enforcement Administration
- Technical Certificate Crime Scene Investigation
- Technical Certificate Law Enforcement Administration
- Associate of Applied Science Crime Scene Investigation
- Associate of Applied Science Law Enforcement Administration

Early Childhood Education Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Early Childhood Education	9
Technical Certificate Early Childhood Education	27
Associate of Applied Science Early Childhood Education	60

Certificate of Proficiency Cosmetology Instructor

Program Learning Outcomes

- Demonstrate technical skills in hair, skin, and nail care, and effectively teach these techniques to aspiring cosmetologist.
- Apply principles of learning theory and effective teaching methodologies to create lesson plans and classroom experiences for cosmetology students.
- Implement strategies to assess student learning and practical skills in a cosmetology education environment.
- Exhibit professional leadership skills and ethical behavior necessary for managing a cosmetology classroom or training salon.

Program Requirements

Course Name	Course Number	Credit Hours
Cosmetology Instructor I	COSM 21009	9
Cosmetology Instructor II	COSM 22009	9

Total Credit Hours Required for Credential Completion: 18

Technical Certificate Cosmetology

Program Learning Outcomes

- Demonstrate proficiency in a wide range of cosmetology techniques including hair cutting, coloring, styling, nail care, and skincare treatments in compliance with state board standards and industry best practices.
- Apply critical thinking and problem-solving skills to assess client needs, recommend appropriate services, and create desired outcome.
- Exhibit professional conduct, effective communication, and strong customer service skills in a salon environment while adhering to ethical and legal standards of the cosmetology industry.
- Develop and implement safe and sanitary practices in all aspects of cosmetology services to protect the health and well-being of clients and practitioners.

Program Requirements

Course Name	Course Number	Credit Hours
Cosmetology I	COSM 10118	18
Cosmetology II	COSM 10218	18
Cosmetology III	COSM 13006	6

Total Credit Hours Required for Credential Completion: 42

Program Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Cosmetology I	COSM 10118	18
Spring	Cosmetology II	COSM 10218	18
Summer	Cosmetology III	COSM 13006	6

Cosmetology program entry occurs on a rolling basis. Students will be enrolled in appropriate course based on entry term.

Certificate of Proficiency Early Childhood Education

Program Learning Outcomes

- Demonstrate knowledge of child development theories and apply them to create developmentally appropriate learning environments and activities for children from birth to age 5.
- Exhibit professional and ethical behavior in early childhood settings, including effective communication with internal and external stakeholders.

Program Requirements

Course Name	Course Number	Credit Hours
Foundations of Early Childhood Education	ECED 10083	3
Child Growth and Development	ECED 11003	3
Environment for Young Children	ECED 12043	3
Field Experience	ECED 13003	3

Total Credit Hours Required for Credential Completion: 12

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Foundations of Early Childhood Education Child Growth and Development Environment for Young Children Field Experience	ECED 10083 ECED 11003 ECED 12043 ECED 13003	12

Technical Certificate Early Childhood Education

Program Learning Outcomes

- Demonstrate knowledge of child development theories and apply them to create developmentally appropriate learning environments and activities for children from birth to age 5.
- Increase proficiency with computation skills including fundamental arithmetic and algebra.
- Exhibit professional and ethical behavior in early childhood settings, including effective communication with internal and external stakeholders.
- Employ effective observation, documentation, and assessment strategies to support young children's learning and development in partnership with families and other professionals.

Program Requirements

Course Name	Course Number	Credit Hours
Digital Literacy	BUSI 10663	3
Foundations of Early Childhood Education	ECED 10083	3
Child Growth and Development	ECED 11003	3
Environment for Young Children	ECED 12043	3
Field Experience	ECED 13003	3
Child Guidance	ECED 20043	3
English Composition I	ENGL 10103	3
Technical Mathematics	MATH 11003	3

Program Electives

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Preschool Curriculum	ECED 21043	3
Supporting Early Learners	ECED 29743	3

Total Credit Hours Required for Credential Completion: 27

Suggested Course Sequence – Technical Certificate Early Childhood

Term	Course Name	Course Number	Total Credit Hours
Fall	Foundations of Early Childhood Education	ECED 10083	12
	Child Growth and Development	ECED 11003	
	Field Experience	ECED 13003	
	Environment for Young Children	ECED 12043	
Spring	Digital Literacy	BUSI 10663	15
	Child Guidance	ECED 20043	
	Supporting Early Learners	ECED 29743	
	English Composition I	ENGL 10103	
	Technical Mathematics	MATH 10103	

Associate of Applied Science Early Childhood Education

Program Learning Outcomes

- Demonstrate knowledge of child development theories and apply them to create developmentally appropriate learning environments and activities for children from birth to age 5.
- Increase proficiency with computation skills including fundamental arithmetic and algebra.
- Design and implement culturally responsive curricular activities that support children's cognitive, social, emotional, and physical development while adhering to state and national early learning standards.
- Employ effective observation, documentation, and assessment strategies to support young children's learning and development in partnership with families and other professionals.
- Exhibit professional and ethical behavior in early childhood settings, including effective communication with internal and external stakeholders.

Program Requirements

Course Name	Course Number	Credit Hours
Digital Literacy	BUSI 10663	3
Foundations of Early Childhood Education	ECED 10083	3
Child Growth and Development	ECED 11003	3
Environment for Young Children	ECED 12043	3
Field Experience	ECED 13003	3
Child Guidance	ECED 20043	3
Preschool Curriculum	ECED 21043	3
Infant/Toddler Curriculum	ECED 22043	3
Practicum	ECED 23043	3
Literature/Language Arts for Early Childhood	ECED 29243	3
Math/Science for Early Childhood	ECED 29443	3
Health, Safety, and Nutrition	ECED 29643	3
Supporting Early Learners	ECED 29743	3
Professionalism and Ethics in Early Childhood	ECED 29943	3
Introduction to K-12 Educational Technology	EDHP 21063	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3

Course Name	Course Number	Credit Hours
Technical Mathematics	MATH 11003	3
Oral Communication	SPCH 10003	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
General Psychology	PSYC 11003	3
Principles of Sociology	SOCI 10103	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Foundations of Early Childhood Education Child Growth and Development Field Experience Environment for Young Children English Composition I	ECED 10083 ECED 11003 ECED 13003 ECED 12043 ENGL 10103	15
Spring	Digital Literacy Child Guidance Supporting Early Learners English Composition II Technical Mathematics	BUSI 10663 ECED 20043 ECED 29743 ENGL 10203 MATH 10103	15
Fall	Preschool Curriculum Practicum Lit/Language Arts for Early Childhood Math/Science for Early Childhood Oral Communication	ECED 21043 ECED 23043 ECED 29243 ECED 29443 SPCH 10003	15
Spring	Infant/Toddler Curriculum Professionalism and Ethics in Early Child. Health, Safety, and Nutrition Introduction to K-12 Edu. Technology Social Science Requirement	ECED 22043 ECED 29943 ECED 29643 EDHP 21063	15

Associate of Science Criminal Justice

Program Learning Outcomes

- Demonstrate a comprehensive understanding of the criminal justice system and the functions of each component.
- Detail and articulate the constitutional rights and duties of law enforcement, the judiciary, and corrections in accordance with state, federal, and procedural laws.
- Apply sociological and psychological theories to explain crimes and criminal behavior.
- Develop professional communication skills to effectively collaborate with internal and external stakeholders.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Criminal Justice	CRJU 10203	3
Criminology	CRJU 12573	3
Criminal Law and Criminal Procedures	CRJU 13003	3
Criminal Investigations	CRJU 14003	3
Policing in America	CRJU 26003	3
Legal Writing (Fall Only)	CRJU 25033	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Statistics	MATH 21003	3
United States Government	PLSC 20003	3
General Psychology	PSYC 11003	3
Principles of Sociology	SOCI 10103	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1
Strategies for College Success	UNIV 10173	3

Fine Arts and Humanities

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3

Life Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Biology for General Education Lab	BIOL 10031	1
Biology for General Education	BIOL 10043	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
General Botany Lab	BIOL 10301	1
General Botany	BIOL 10303	3
Principles of Zoology Lab	BIOL 10501	1
Principles of Zoology	BIOL 10503	3
Microbiology Lab	BIOL 20001	1
Microbiology	BIOL 20003	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Physical Sciences Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
College Chemistry II Lab	CHEM 14201	1
College Chemistry II	CHEM 14203	3
Physical Geology Lab	GEOL 11101	1
Physical Geology	GEOL 11103	3
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
1st Fall	English Composition I	ENGL 10103	13
	Math Requirement		
	Introduction to Criminal Justice	CRJU 10203	
	Strategies for College Success	UNIV 10173	
	Foundations of Personal Finance	UNIV 10071	
1st Spring	English Composition II	ENGL 10203	15
	Criminal Investigations	CRJU 14003	
	Statistics	MATH 21003	
	United States Government	PLSC 20003	
	Oral Communication	SPCH 10003	
2nd Fall	Criminology	CRJU 12573	16
	Legal Writing	CRJU 25033	
	Principles of Sociology	SOCI 10103	
	Life Sciences Lecture Requirement		
	Life Sciences Lab Requirement		
	Fine Arts Requirement		
2nd Spring	Criminal Law and Criminal Procedures	CRJU 13003	16
	Policing in America	CRJU 26003	
	World Literature Requirement		
	Physical Sciences Lecture Requirement		
	Physical Sciences Lab Requirement		
	General Psychology	PSYC 11003	

Skilled Trades and Agriculture

Agriculture Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Agriculture Business	9
Technical Certificate Agriculture Business	30
Associate of Science Agriculture Business	60

Farm and Ranch Management Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Agriculture Drone Technology	12
Technical Certificate Precision Agriculture	30
Associate of Applied Science Farm and Ranch Management	60

Skilled Trades Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Carpentry	6
Certificate of Proficiency Skilled Trades	13-15
Certificate of Proficiency Basic Machining	12
Technical Certificate Industrial Maintenance	30
Certificate of Proficiency Heating, Ventilation, and Air Conditioning	15
Technical Certificate Air Conditioning, Heating, and Refrigeration Technology	30
Certificate of Proficiency Welding	13
Technical Certificate Welding Technology	28
Associate of Applied Science Industrial Technology	60
Transportation and Equipment Degrees	**Required Credit Hours**
Certificate of Proficiency Commercial Vehicle Driving	7

Skilled Trades Degrees and Certificates	Required Credit Hours
Certificate of Proficiency Compact Equipment Operator	8
Certificate of Proficiency Heavy Equipment Operator	15
Technical Certificate Heavy Equipment Operator	22

Certificate of Proficiency Agriculture Business

Program Learning Outcomes

- Apply principles of agricultural economics, including supply and demand, market dynamics, and policy, to analyze agribusiness challenges.
- Communicate effectively in professional agricultural contexts through oral presentations and written reports.
- Use critical thinking to evaluate agricultural markets, production strategies, and economic decision-making processes.
- Collaborate with peers and industry professionals to integrate knowledge of agribusiness and connect classroom learning to real-world applications.
- Demonstrate professional and academic skills that prepare for successful careers in agricultural business.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Agriculture Business	AGEC 19203	3
Making Connections in Agriculture	AGRI 19003	3
Oral Communication	SPCH 10003	3

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Introduction to Agriculture Business Making Connections in Agriculture Oral Communication	AGEC 19203 AGRI 19003 SPCH 10003	9

Technical Certificate Agriculture Business

Program Learning Outcomes

- Analyze agricultural markets, financial statements, and economic trends to make informed business decisions in agricultural operations.
- Use computer software, accounting systems, and communication tools to manage and present information effectively in agricultural business settings.
- Evaluate the legal and regulatory environments impacting agricultural businesses and apply ethical decision-making to business practices.
- Apply mathematical reasoning to solve quantitative problems related to agricultural finance, production, and management.
- Develop and deliver professional oral and written presentations that effectively communicate agricultural business concepts to diverse audiences.

Program Requirements

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Principles of Accounting II	ACCT 10103	3
Introduction to Agriculture Business	AGEC 19203	3
Making Connections in Agriculture	AGRI 19003	3
Legal Environment of Business	BLAW 20003	3
Business Statistics	BUSI 21003	3
Macroeconomics	ECON 21003	3
English Composition I	ENGL 10103	3
College Algebra	MATH 11003	3
Oral Communication	SPCH 10003	3

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence – Technical Certificate Agriculture Business

Term	Course Name	Course Number	Total Credit Hours
Fall	Making Connections in Agriculture	AGRI 19003	15
	Introduction to Agriculture Business	AGEC 19203	
	College Algebra	MATH 11003	
	Legal Environment of Business	BLAW 20003	
	Principles of Accounting I	ACCT 10003	
Spring	Oral Communication	SPCH 10003	15
	Principles of Accounting II	ACCT 10103	
	English Composition I	ENGL 10103	
	Macroeconomics	ECON 21003	
	Statistics	BUSI 21003	

Associate of Science Agriculture Business

Program Learning Outcomes

- Analyze agricultural markets, financial data, and economic trends to make informed decisions in agricultural business operations.
- Use computer software, accounting systems, and statistical tools to solve business challenges and manage agricultural data.
- Apply principles of biology, chemistry, and business law to address agricultural production and management issues.
- Develop and deliver effective oral and written presentations that communicate agricultural business concepts to diverse audiences.
- Evaluate the impact of cultural, historical, and social factors on agricultural practices and business operations.

Program Requirements

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Principles of Accounting II	ACCT 10103	3
Making Connections in Agriculture	AGRI 19003	3
Introduction to Agriculture Business	AGRI 19203	3
Legal Environment of Business	BLAW 20003	3
Biology for Majors Lab **Biology for Majors**	BIOL 10101 BIOL 10103	1 3
Business Statistics	BUSI 21003	3
College Chemistry I Lab **College Chemistry I**	CHEM 14101 CHEM 14103	1 3
Soils	CSES 20203	3
Macroeconomics	ECON 21003	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
College Algebra	MATH 11003	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1

Agriculture Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Crop Production (Spring Only)	AGRI 26103	3
Livestock Production	AGRI 28103	3

Fine Arts Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Visual Art	ARHS 10003	3
Music	MUSC 10003	3
Theater	THTR 10003	3

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
World Literature I	ENGL 21103	3
World Literature II	ENGL 21203	3
Introduction to Philosophy	PHIL 11003	3

Social Sciences Requirement

6 credit hours from the following required:

Course Name	Course Number	Credit Hours
Introduction to Cultural Geography	GEOG 21103	3
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3
Principles of Sociology	SOCI 10103	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Science Agriculture Business

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Making Connections in Agriculture	AGRI 19003	15
	Introduction to Agriculture Business	AGEC 19203	
	College Algebra	MATH 11003	
	Legal Environment of Business	BLAW 20003	
	Principles of Accounting I	ACCT 10003	
1st Spring	Oral Communication	SPCH 10003	15
	Principles of Accounting II	ACCT 10103	
	English Composition I	ENGL 10103	
	Macroeconomics	ECON 21003	
	Business Statistics	BUSI 21003	
2nd Fall	Soils	CSES 20203	16
	English Composition II	ENGL 10203	
	College Chemistry Lecture I	CHEM 14103	
	College Chemistry Lab I	CHEM 14101	
	Fine Arts Requirement		
	Social Sciences Requirement		
2nd Spring	Agriculture Requirement		14
	Humanities Requirement		
	Biology for Majors Lecture	BIOL 10103	
	Biology for Majors Lab	BIOL 10101	
	Social Sciences Requirement		
	Foundations of Personal Finance	UNIV 10071	

Certificate of Proficiency Agriculture Drone Technology

Program Learning Outcomes

- Demonstrate foundational knowledge of Geographic Information Systems (GIS), remote sensing, and Unmanned Aerial Systems (UAS) to collect, analyze, and interpret agricultural data.
- Apply critical thinking and problem-solving skills to implement precision agriculture techniques, including data-driven decision-making to optimize crop and livestock management.
- Operate drones and remote sensing equipment safely and effectively, ensuring compliance with regulations and best practices in agricultural contexts.
- Collaborate with peers, industry professionals, and community stakeholders to develop practical applications of agricultural technology.

Program Requirements

Course Name	Course Number	Credit Hours
Making Connections in Agriculture	AGRI 19003	3
Precision Agriculture I	AGRI 12103	3
Unmanned Aerial Systems	AGRI 14103	3
Fundamentals of Remote Sensing and Imagery Analysis	AGRI 24103	3

Total Credit Hours Require for Credential Completion: 12

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Making Connections in Agriculture Precision Agriculture I Unmanned Aerial Systems Fund. of Remote Sensing and Imagery Analysis	AGRI 19003 AGRI 12103 AGRI 14103 AGRI 24103	12

Technical Certificate Precision Agriculture

Program Learning Outcomes

- Demonstrate safe and effective use of agricultural equipment, tools, and precision technologies.
- Apply precision agriculture technologies including GPS, GIS, remote sensing, and data management tools.
- Perform basic troubleshooting, maintenance, and operation of agricultural machinery and mechanical systems.
- Interpret and analyze agricultural production data.
- Communicate technical agricultural information effectively.

Program Requirements

Course Name	Course Number	Credit Hours
Making Connections in Agriculture	AGRI 19003	3
Farm and Ranch Safety	AGRI 10103	3
Agricultural Operations I	AGRI 11103	3
Agricultural Operations II	AGRI 11203	3
Precision Agriculture I	AGRI 12103	3
Agricultural Mechanics and Equipment	AGRI 10203	3
Technical Writing for the Workplace	ENGL 20203	3
Technical Mathematics	MATH 10103	3
Oral Communication	SPCH 10003	3

Agriculture Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Crop Production	AGRI 26103	3
Livestock Production	AGRI 28103	3

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence – Technical Certificate Precision Agriculture

Term	Course Name	Course Number	Total Credit Hours
Fall	Farm and Ranch Safety	AGRI 10103	15
	Making Connections in Agriculture	AGRI 19003	
	Agricultural Operations I	AGRI 11103	
	Precision Agriculture I	AGRI 12103	
	Oral Communications	SPCH 10003	
Spring	Agricultural Operations II	AGRI 11203	15
	Agriculture Requirement		
	Agricultural Mechanics and Equipment	AGRI 10203	
	Technical Mathematics	MATH 10103	
	Technical Writing for the Workplace	ENGL 20203	

Associate of Applied Science Farm and Ranch Management (FARM)

Program Learning Outcomes

- Operate and maintain agricultural equipment and machinery safely while applying industry safety standards and protocols.
- Apply precision agriculture technologies including GPS, GIS, remote sensing, and data management tools to optimize crop and livestock production systems.
- Implement integrated crop or livestock management practices including nutrient management, pest control, and sustainable production strategies.
- Develop and analyze farm business plans, financial statements, and production records to support data-driven management decisions.
- Demonstrate technical proficiency within a chosen concentration area through applied projects and hands-on assessments.

Program Requirements

Course Name	Course Number	Credit Hours
Making Connections in Agriculture	AGRI 19003	3
Farm and Ranch Safety	AGRI 10103	3
Agriculture Mechanics and Equipment	AGRI 10203	3
Farm and Operations Management	AGRI 20103	3
Agricultural Operations I	AGRI 11103	3
Agricultural Operations II	AGRI 11203	3
Agricultural Operations III	AGRI 11303	3
Agriculture Internship	AGRI 29303	3
Precision Agriculture I	AGRI 12103	3
Precision Agriculture II	AGRI 22103	3
Unmanned Aerial Systems	AGRI 14103	3
Fundamentals of Remote Sensing and Imagery Analysis	AGRI 24103	3
Technical Writing for the Workplace	ENGL 20203	3
Technical Mathematics	MATH 10103	3
Oral Communication	SPCH 10003	3
United States Government	PLSC 20003	3

Program Concentrations

Students must select and complete one of the following concentration tracks for credential completion:

Livestock and Poultry Concentration

Course Name	Course Number	Credit Hours
Livestock Production	AGRI 28103	3
Poultry Production	AGRI 27103	3
Animal Nutrition	AGRI 28203	3
Animal Health	AGRI 28303	3

Crops Concentration

Course Name	Course Number	Credit Hours
Crop Production	AGRI 26103	3
Soils	CSES 20203	3
Crop Management	AGRI 26203	3
Pest Management	AGRI 26303	3

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Applied Science FARM Livestock and Poultry Concentration

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Making Connections in Agriculture	AGRI 19003	15
	Agricultural Operations I	AGRI 11103	
	Precision Agriculture I	AGRI 12103	
	Unmanned Aerial Systems	AGRI 14103	
	Farm and Ranch Safety	AGRI 10103	
1st Spring	Agricultural Operations II	AGRI 11203	15
	Livestock Production	AGRI 28103	
	Agricultural Mechanics and Equipment	AGRI 10203	
	Technical Writing for the Workplace	ENGL 20203	
	Technical Mathematics	MATH 10103	
2nd Fall	Agricultural Operations III	AGRI 11303	15
	Fund. of Remote Sensing and Imagery Analysis	AGRI 24103	
	Precision Agriculture II	AGRI 22103	
	Poultry Production	AGRI 27103	
	Oral Communications	SPCH 10003	
2nd Spring	Agriculture Internship	AGRI 29303	15
	Farm and Operations Management	AGRI 20103	
	Animal Nutrition	AGRI 28203	
	Animal Health	AGRI 28303	
	United States Government	PLSC 20003	

Suggested Course Sequence – Associate of Applied Science FARM Crop Concentration

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Making Connections in Agriculture	AGRI 19003	15
	Agricultural Operations I	AGRI 11103	
	Precision Agriculture I	AGRI 12103	
	Unmanned Aerial Systems	AGRI 14103	
	Farm and Ranch Safety	AGRI 10103	
1st Spring	Agricultural Operations II	AGRI 11203	15
	Crop Production	AGRI 26203	
	Agricultural Mechanics and Equipment	AGRI 10203	
	Technical Writing for the Workplace	ENGL 20203	
	Technical Mathematics	MATH 10103	
2nd Fall	Agricultural Operations III	AGRI 11303	15
	Fund. of Remote Sensing and Imagery Analysis	AGRI 24103	
	Precision Agriculture II	AGRI 22103	
	Soils	CSES 20203	
	Oral Communications	SPCH 10003	
2nd Spring	Agriculture Internship	AGRI 29303	15
	Farm and Operations Management	AGRI 20103	
	Crop Management	AGRI 26203	
	Pest Management	AGRI 26303	
	United States Government	PLSC 20003	

Certificate of Proficiency Carpentry

Program Learning Outcomes

- Demonstrate the safe and proper use of hand and power tools.
- Demonstrate proficiency in material selection and assembly of basic wood framing.

Program Requirements

Course Name	Course Number	Credit Hours
Carpentry I	CTTE 10206	6

Total Credit Hours Required for Credential Completion: 6

This certificate is currently offered only to concurrently enrolled high school students.

Certificate of Proficiency Skilled Trades

Program Learning Outcomes

- Demonstrate the safe and proper use of hand and power tools.
- Interpret engineering drawings.
- Demonstrate proficiency in material selection and assembly of basic framing (Construction Concentration).
- Select appropriate materials and components to properly install electrical circuitry (Mechatronics Concentration).
- Demonstrate proficiency in measuring, cutting, and shaping metal using thermal cutting equipment (Welding Concentration).

Program Requirements

Course Name	Course Number	Credit Hours
Technical Methods	TECH 10153	3
Engineering Drawings	TECH 10253	3
Industrial Safety	TECH 20053	3

Program Concentrations

Construction and Welding Concentrations are currently offered only to concurrently enrolled high school students.

Construction Concentration

Course Name	Course Number	Credit Hours
Carpentry I	CTTE 10206	6

Welding Concentration

Course Name	Course Number	Credit Hours
Introduction to Thermal Cutting	WELD 10084	4

Total Credit Hours Required for Credential Completion: 13-15

This certificate is currently offered only to concurrently enrolled high school students.

Certificate of Proficiency Basic Machining

Program Learning Outcomes

- Apply industry-standard safety practices in industrial and maintenance environments.
- Interpret basic technical drawings and documentation.
- Use technical methods and foundational math skills to support maintenance tasks.
- Demonstrate entry-level machining and measurement skills.

Program Requirements

Course Name	Course Number	Credit Hours
Basic Machining	MSTE 12003	3
Technical Methods	TECH 10253	3
Engineering Drawings	TECH 10153	3
Industrial Safety	TECH 20053	3

Total Credit Hours Required for Credential Completion: 12

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Basic Machining Technical Methods Engineering Drawings Industrial Safety	MSTE 12003 TECH 10153 TECH 10253 TECH 20053	12

Technical Certificate Industrial Maintenance

Program Learning Outcomes

- Demonstrate safe work practices and compliance with industry safety standards in industrial environments.
- Interpret technical documents, drawings, and specifications relevant to maintenance tasks.
- Communicate effectively in a technical workplace using appropriate written and digital tools
- Apply fundamental machining, welding, carpentry, and masonry skills to support maintenance and repair activities.
- Utilize basic technical methods and problem-solving skills to address common industrial maintenance issues.
- Demonstrate digital literacy skills relevant to modern industrial and maintenance operations.

Program Requirements

Course Name	Course Number	Credit Hours
Basic Machining	MSTE 12003	3
Engineering Drawings	TECH 10253	3
Technical Methods	TECH 10153	3
Industrial Safety	TECH 20053	3
Basic Carpentry and Masonry	CTTE 10103	3
Maintenance Welding	WELD 10053	3
Technical Writing for the Workplace	ENGL 20203	3
Technical Mathematics	MATH 10103	3
Digital Literacy	BUSI 10663	3

Total Credit Hours Required for Credential Completion: 27

Suggested Course Sequence – Technical Certificate Industrial Maintenance

Term	Course Name	Course Number	Total Credit Hours
Fall	Basic Machining	MSTE 12003	15
	Engineering Drawings	TECH 10253	
	Technical Methods	TECH 10153	
	Industrial Safety	TECH 20053	
	Technical Mathematics	MATH 10103	
Spring	Basic Carpentry and Masonry	CTTE 10103	12
	Technical Writing for the Workplace	ENGL 29293	
	Digital Literacy	BUSI 10063	
	Maintenance Welding	WELD 10053	

Certificate of Proficiency Heating, Ventilation, and Air Conditioning

Program Learning Outcomes

- Demonstrate basic understanding of Occupational Safety and Health Administration policies and procedures.
- Identify physical, mental, and industrial hazards in the workplace.
- Organize technical information appropriately using computer-based applications.
- Effectively demonstrate safe use of precision measuring devices.
- Identify quantities using engineering notation, metric prefixes, and units of measurement.
- Given circuit parameters, solve for current flow, voltages, resistances, and power.
- Given component parts, construct series and parallel circuits.
- Demonstrate use of a multi-meter to measure current, voltage, and resistance.
- Demonstrate use of an oscilloscope to measure frequency (cycles per second) and determine RMS and peak voltage values.

Program Requirements

Course Name	Course Number	Credit Hours
HVAC Fundamentals	HVAC 10503	3
Technical Methods	TECH 10153	3
DC Electricity	TECH 10353	3
AC Electricity	TECH 10453	3
Industrial Safety	TECH 20053	3

Total Credit Hours Required for Credential Completion: 15

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	HVAC Fundamentals Technical Methods DC Electricity AC Electricity Industrial Safety	HVAC 10503 TECH 10153 TECH 10353 TECH 10453 TECH 20053	15

Technical Certificate Air Conditioning, Heating, and Refrigeration Technology

Program Learning Outcomes

- Demonstrate a comprehensive understanding of OSHA safety standards and EPA 608 regulations by consistently applying safe workplace practices and proper refrigerant handling, recovery, and disposal techniques.
- Diagnose, troubleshoot, and repair mechanical and electrical malfunctions within residential and light commercial HVAC systems, including air conditioners, heating units, and heat pumps.
- Apply principles of AC/DC electricity and engineering notation to construct, analyze, and test electrical circuits using multimeters and oscilloscopes to manage HVAC system controls.
- Interpret and create technical drawings and schematics to guide system installations, while utilizing professional technical communication skills to document findings and interface with stakeholders.
- Solve real-world industrial problems related to system load, sizing, and equipment calibration by calculating algebraic and geometric variables found in technical mathematical formulas.

Program Requirements

Course Name	Course Number	Credit Hours
Internship	BUSI 2653	3
Technical Writing for the Workplace	ENGL 20203	3
HVAC Fundamentals	HVAC 10503	3
HVAC Controls	HVAC 11503	3
HVAC Troubleshooting	HVAC 12503	3
Technical Methods	TECH 10153	3
DC Electricity	TECH 10353	3
AC Electricity	TECH 10453	3
Industrial Safety	TECH 20053	3

Math Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Technical Mathematics	MATH 10103	3
College Algebra	MATH 11003	3

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence – Technical Certificate Air Conditioning, Heating, and Refrigeration Technology

Term	Course Name	Course Number	Total Credit Hours
Fall	HVAC Fundamentals	HVAC 10503	15
	Technical Methods	TECH 10153	
	DC Electricity	TECH 10353	
	AC Electricity	TECH 10453	
	Industrial Safety	TECH 20053	
Spring	Internship	BUSI 26543	15
	Technical Writing for the Workplace	ENGL 20203	
	HVAC Controls	HVAC 11503	
	HVAC Troubleshooting	HVAC 12503	
	Technical Math	MATH 10103	

Certificate of Proficiency Welding

Program Learning Outcomes

- Demonstrate competency in GMAW processes and safety standards.
- Interpret blueprints and welding symbols for fabrication projects.
- Apply basic measurement, cutting, and fabrication techniques used in manufacturing.
- Operate and maintain welding equipment following OSHA and industry standards.

Program Requirements

Course Name	Course Number	Credit Hours
Technical Methods	TECH 10153	3
Engineering Drawings	TECH 10253	3
Industrial Safety	TECH 20053	3
Gas Metal Arc Welding	WELD 12084	4

Total Credit Hours Required for Credential Completion: 13

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall or Spring	Technical Methods Engineering Drawings Industrial Safety Gas Metal Arc Welding	TECH 10153 TECH 10253 TECH 20053 WELD 12084	13

Technical Certificate Welding Technology

Program Learning Objectives

- Demonstrate proficiency in Shielded Metal Arc Welding (SMAW) and Gas Tungsten Arc Welding (GTAW) techniques.
- Apply workplace safety practices and procedures consistent with OSHA and industry standards.
- Interpret and utilize blueprints, welding symbols, and fabrication drawings in project applications.
- Select and apply appropriate welding processes and materials for various industrial and fabrication settings.
- Communicate effectively and demonstrate workplace professionalism essential for success in welding-related careers.

Program Requirements

Course Name	Course Number	Credit Hours
Technical Writing for the Workplace	ENGL 20203	3
Technical Methods	TECH 10153	3
Engineering Drawings	TECH 10253	3
Industrial Safety	TECH 20053	3
Technical Mathematics	MATH 10103	3
Sheet Metal Arc Welding	WELD 11084	4
Gas Tungsten Arc Welding	WELD 13084	4

Welding Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Gas Metal Arc Welding	WELD 12084	4
Pipe and Tube Welding	WELD 14084	4

Total Credit Hours Required for Credential Completion: 27

Suggested Course Sequence – Technical Certificate Welding Technology – Manufacturing Focused Elective Choice

Term	Course Name	Course Number	Total Credit Hours
Fall	Technical Mathematics	MATH 10103	16
	Technical Methods	TECH 10153	
	Engineering Drawings	TECH 10253	
	Industrial Safety	TECH 20053	
	Gas Metal Arc Welding	WELD 12084	
Spring	Technical Writing for the Workplace	ENGL 20203	11
	Shielded Metal Arc Welding	WELD 11084	
	Gas Tungsten Arc Welding	WELD 13084	

Suggested Course Sequence – Technical Certificate Welding Technology – Construction and Pipe Focused Elective Choice

Term	Course Name	Course Number	Total Credit Hours
Fall	Technical Mathematics	MATH 10103	16
	Technical Methods	TECH 10153	
	Engineering Drawings	TECH 10253	
	Industrial Safety	TECH 20053	
	Shielded Metal Arc Welding	WELD 11084	
Spring	Technical Writing for the Workplace	ENGL 20203	11
	Gas Tungsten Arc Welding	WELD 13084	
	Pipe and Tube Welding	WELD 14084	

Associate of Applied Science Industrial Technology

Program Learning Outcomes

- Apply safety procedures, workplace protocols, and quality assurance practices in industrial environments.
- Demonstrate proficiency in interpreting blueprints, technical drawings, and schematics to solve job-related problems.
- Utilize tools, equipment, and technologies common to industrial and manufacturing settings.
- Apply mathematical, mechanical, and electrical principles to troubleshoot and repair systems.
- Demonstrate effective communication, teamwork, and professional conduct in diverse workplace settings.
- Integrate problem-solving and critical-thinking skills to plan, design, and implement industrial projects.
- Demonstrate technical proficiency within a chosen concentration area through applied projects and hands-on assessments.

Program Requirements

Course Name	Course Number	Credit Hours
Computer Aided Drafting and Design	AMST 20303	3
Fluid Power	AMST 20403	3
Programmable Logic Controllers	AMST 20504	4
Digital Literacy	BUSI 10663	3
English Composition I	ENGL 10103	3
Technical Writing for the Workplace	ENGL 20203	3
Technical Mathematics	MATH 10103	3
Technical Methods	TECH 10153	3
Engineering Drawings	TECH 10253	3
DC Electricity	TECH 10353	3
AC Electricity	TECH 10453	3
Industrial Safety	TECH 20053	3
Electric Motor Control	TECH 20153	3
Industrial Technology Capstone	TECH 21054	4
Foundations of Personal Finance	UNIV 10071	1

Computer Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Computer Software Applications	BUSI 10563	3
Digital Literacy	BUSI 10663	3

Social Sciences Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Cultural Anthropology	ANTH 20103	3
Macroeconomics	ECON 21003	3
Microeconomics	ECON 22003	3
Introduction to Cultural Geography	GEOG 21103	3
World Civilization I	HIST 11103	3
World Civilization II	HIST 11203	3
United States History I	HIST 21103	3
United States History II	HIST 21203	3
United States Government	PLSC 20003	3
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 21003	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3
Social Problems	SOCI 20103	3

Program Concentrations

Students must select and complete one of the following concentration tracks for credential completion:

Heating, Ventilation, and Air Conditioning Concentration

Course Name	Course Number	Credit Hours
Internship	BUSI 26543	3
HVAC Fundamentals	HVAC 10503	3
HVAC Controls	HVAC 11503	3
HVAC Troubleshooting	HVAC 12503	3

Industrial Maintenance

Course Name	Course Number	Credit Hours
Basic Machining	MSTE 12003	3
Basic Carpentry and Masonry	CTTE 10103	3
Maintenance Welding	WELD 10083	3
Preventative Maintenance and Troubleshooting	AMST 24003	3

Welding

Course Name	Course Number	Credit Hours
Shielded Metal Arc Welding	WELD 11084	4
Gas Metal Arc Welding or **Pipe and Tube Welding**	WELD 12084 or WELD 14084	4
Gas Tungsten Arc Welding	WELD 13084	4

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Applied Science Industrial Technology Industrial Maintenance Concentration

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Technical Mathematics Basic Machining Engineering Drawings Technical Methods Industrial Safety	MATH 10103 MSTE 12003 TECH 10253 TECH 10153 TECH 20053	15
1st Spring	Basic Carpentry and Masonry Technical Writing for the Workplace Maintenance Welding Computer Science Requirement Social Science Requirement	CTTE 10103 ENGL 20203 WELD 10083	15
2nd Fall	Computer Aided Drafting and Design English Composition I DC Electricity AC Electricity Personal Finance	AMST 20203 ENGL 10103 TECH 10353 TECH 10453 UNIV 10071	13
2nd Spring	Fluid Power Programmable Logic Controllers Preventative Maint. and Troubleshooting Electric Motor Control Industrial Technology Capstone	AMST 20403 AMST 20504 AMST 24003 TECH 21053 TECH 21054	17

Suggested Course Sequence – Associate of Applied Science Industrial Technology Heating, Ventilation, and Air Conditioning Concentration

Term	Course Name	Course Number	Total Credit Hours
1st Fall	HVAC Fundamentals Technical Methods DC Electricity AC Electricity Industrial Safety	HVAC 10503 TECH 10153 TECH 10353 TECH 10453 TECH 20053	15
1st Spring	Internship Technical Writing for the Workplace HVAC Controls HVAC Troubleshooting Technical Mathematics	BUSI 26543 ENGL 20203 HVAC 11503 HVAC 12503 MATH 10103	15
2nd Fall	Computer Aided Drafting and Design English Composition I Engineering Drawings Computer Science Requirement Social Science Requirement	AMST 20303 ENGL 10103 TECH 10253	15
2nd Spring	Fluid Power Programmable Logic Controllers Electric Motor Control Industrial Technology Capstone Personal Finance	AMST 20403 AMST 20504 TECH 20153 TECH 21054 UNIV 10071	15

Suggested Course Sequence – Associate of Applied Science Industrial Technology Welding Concentration - Manufacturing

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Technical Math Technical Methods Engineering Drawings Industrial Safety Gas Metal Arc Welding	MATH 10103 TECH 10153 TECH 10253 TECH 20053 WELD 12084	16
1st Spring	Digital Literacy Technical Writing for the Workplace Personal Finance Shielded Metal Arc Welding Gas Tungsten Arc Welding	BUSI 10663 ENGL 20203 UNIV 10071 WELD 11084 WELD 13084	15
2nd Fall	Computer Aided Drafting and Design English Composition I DC Electricity AC Electricity Social Science Requirement	AMST 20303 ENGL 10103 TECH 10353 TECH 10453	15
2nd Spring	Fluid Power Programmable Logic Controllers Electric Motor Control Industrial Technology Capstone	AMST 20403 AMST 20504 TECH 20153 TECH 21054	14

Suggested Course Sequence – Associate of Applied Science Industrial Technology Welding Concentration - Construction

Term	Course Name	Course Number	Total Credit Hours
1st Fall	Technical Math Technical Methods Engineering Drawings Industrial Safety Gas Metal Arc Welding	MATH 10103 TECH 10153 TECH 10253 TECH 20053 WELD 12084	16
1st Spring	Digital Literacy Technical Writing for the Workplace Personal Finance Shielded Metal Arc Welding Gas Tungsten Arc Welding	BUSI 10663 ENGL 20203 UNIV 10071 WELD 11084 WELD 13084	15
2nd Fall	Computer Aided Drafting and Design English Composition I DC Electricity AC Electricity Social Science Requirement	AMST 20303 ENGL 10103 TECH 10353 TECH 10453	15
2nd Spring	Fluid Power Programmable Logic Controllers Electric Motor Control Industrial Technology Capstone	AMST 20403 AMST 20504 TECH 20153 TECH 21054	14

Certificate of Proficiency Commercial Vehicle Driving

Program Learning Outcomes

- Understand vehicle safety and accident prevention procedures.
- Understand and comply with vehicle operating regulations.
- Demonstrate proper cargo handling and documentation procedures.
- Demonstrate trip planning preparation procedures.
- Demonstrate vehicle inspection procedures.
- Demonstrate basic vehicle control procedures.
- Perform vehicle maintenance and servicing procedures.
- Demonstrate backing skills and basic vehicle maneuvers.
- Demonstrate coupling and uncoupling skills.
- Demonstrate road driving skills.
- Demonstrate hazardous driving skills.
- Apply concepts learned for obtaining a Commercial Driver's License (CDL).

Program Requirements

Course Name	Course Number	Credit Hours
Commercial Vehicle Driving	TRDR 19107	7

Total Credit Hours Required for Credential Completion: 7

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall or Spring or Summer	Commercial Vehicle Driving	TRDR 19107	7

Certificate of Proficiency Compact Equipment Operator

Program Learning Outcomes

- Apply industry-approved safety practices during the operation of compact equipment.
- Conduct thorough equipment inspections to ensure proper maintenance for compact equipment.
- Efficiently operate compact equipment to complete various tasks.
- Apply problem-solving skills and communicate effectively in a simulated and real-world scenarios.
- Demonstrate specific techniques required for efficient earthmoving and material handling using compact equipment.

Program Requirements

Course Name	Course Number	Credit Hours
Compact Track Excavator Operator	CTTE 14004	4
Compact Track Loader Operator	CTTE 14104	4

Total Credit Hours Required for Credential Completion: 8

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Compact Track Excavator Operator Compact Track Loader Operator	CTTE 14004 CTTE 14104	14

Certificate of Proficiency Heavy Equipment Operator

Program Learning Outcomes

- Apply industry-standard safety practices, including the use of personal protective equipment (PPE), to safely operate heavy equipment such as compact track loaders, bulldozers, cranes, or commercial vehicles.
- Conduct equipment inspections, perform basic maintenance, and identify mechanical issues to ensure proper functionality of heavy machinery.
- Demonstrate operational proficiency in heavy equipment, including start-up, shut-down, material handling, and earthmoving tasks, in simulated and real-world environments.
- Apply effective teamwork and communication skills in collaborative equipment operation scenarios.

Program Requirements

Course Name	Course Number	Credit Hours
Compact Track Excavator Operator	CTTE 14004	4
Compact Track Loader Operator	CTTE 14104	4

Program Concentrations

Students must select and complete one of the following concentration tracks for credential completion:

Heavy Machinery Concentration

Course Name	Course Number	Credit Hours
Track Dozer Operator	CTTE 14204	4
Crane Operator	CTTE 14303	3

Commercial Vehicle Driving Concentration

Course Name	Course Number	Credit Hours
Commercial Vehicle Driving	TRDR 19107	7

Total Credit Hours Required for Credential Completion: 15

Suggested Course Sequence – Certificate of Proficiency Heavy Equipment Operator – Heavy Machinery

Term	Course Name	Course Number	Total Credit Hours
Fall	Compact Track Excavator Operator Compact Track Loader Operator	CTTE 14004 CTTE 14104	8
Spring	Track Dozer Operator Crane Operator	CTTE 14204 CTTE 14303	7

Suggested Course Sequence – Certificate of Proficiency Heavy Equipment Operator – Commercial Vehicle Driving

Term	Course Name	Course Number	Total Credit Hours
Fall	Compact Track Excavator Operator Compact Track Loader Operator	CTTE 14004 CTTE 14104	8
Spring	Commercial Vehicle Driving	TRDR 19107	7

Technical Certificate Heavy Equipment Operator

Program Learning Outcomes

- Apply industry-standard safety practices, including the use of personal protective equipment (PPE), to safely operate heavy equipment such as compact track loaders, bulldozers, cranes, or commercial vehicles.
- Conduct equipment inspections, perform basic maintenance, and identify mechanical issues to ensure proper functionality of heavy machinery.
- Demonstrate operational proficiency in heavy equipment, including start-up, shut-down, material handling, and earthmoving tasks, in simulated and real-world environments.
- Apply effective teamwork and communication skills in collaborative equipment operation scenarios.

Program Requirements

Course Name	Course Number	Credit Hours
Compact Track Excavator Operator	CTTE 14004	4
Compact Track Loader Operator	CTTE 14104	4
Track Dozer Operator	CTTE 14204	4
Crane Operator	CTTE 14303	3
Commercial Vehicle Driving	TRDR 19107	7

Total Credit Hours Required for Credential Completion: 22

Suggested Course Sequence

Term	Course Name	Course Number	Total Credit Hours
Fall	Compact Track Excavator Operator Compact Track Loader Operator	CTTE 14004 CTTE 14104	8
Spring	Track Dozer Operator Crane Operator	CTTE 14204 CTTE 14303	7
Summer	Commercial Vehicle Driving	TRDR 19107	7

Course Descriptions

- Accounting (ACCT)
- Agriculture Economics (AGEC)
- General Agriculture (AGRI)
- Allied Health (ALHE)
- Automated Manufacturing Systems Technology (AMST)
- Animal Science (ANSC)
- Anthropology (ANTH)
- Art History (ARHS)
- Biology (BIOL)
- Business Law (BLAW)
- Business (BUSI)
- Cybersecurity (CESC)
- Chemistry and Biochemistry (CHEM)
- Cosmetology (COSM)
- Computer Science (CPSI)
- Criminal Justice (CRJU)
- Crop, Soil, and Environmental Services (CSES)
- Construction Technology (CTTE)
- Data Science (DASC)
- Early Childhood Education and Development (ECED)
- Economics (ECON)
- Education (EDHP)
- Emergency Medical Sciences (EMSC)
- English (ENGL)
- Geography (GEOG)
- Geology (GEOL)
- Health (HEAL)
- Health Information Technology (HIMT)
- History (HIST)
- Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC)
- Mathematics (MATH)
- Management (MGMT)
- Marketing (MKTG)
- Machine Tool Technology (MSTE)
- Music (MUSC)
- Registered Nursing (NURS)
- Philosophy (PHIL)
- Physical Science (PHSC)
- Physics (PHYS)
- Political Science (PLSC)
- Practical Nursing (PNUR)
- Psychology (PSYC)
- Plant Science (PTSC)
- Social Work (SCWK)
- Sociology (SOCI)
- Spanish (SPAN)
- Speech and Communications (SPCH)
- Technical (TECH)
- Theater (THTR)
- Truck Driving (TRDR)
- University (UNIV)
- Welding (WELD)

Principles of Accounting I (ACCT 10003)
Introduction to financial accounting and the accounting cycle, including the measurement, processing, and communication of financial information.
ACTS Equivalent Course ID: ACCT 2003 Principles of Accounting I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Explain the role of accounting in business, including the accounting equation.
2. Apply the principles of the double entry accounting system.
3. Analyze and record business transactions, including adjusting and closing entries.
4. Prepare and review basic financial statements.
5. Demonstrate the fundamentals of internal control.

Principles of Accounting II (ACCT 10103)
Introduction to managerial accounting with emphasis on accounting and reporting for manufacturing entities. The course also covers managerial uses of accounting data and reports for decision-making. Student must have completed ACCT 10003 Principles of Accounting I.
ACTS Equivalency Course ID: ACCT 2013 Principles of Accounting II

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Principles of Accounting I (ACCT 10003) with a grade of C or higher.	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Differentiate between cost flow systems in manufacturing.
2. Analyze and record transactions for cost accounting systems.
3. Prepare cost reports.
4. Prepare special reports and analyze accounting information.
5. Define budgeting and apply the budgeting process.

Introduction to Agriculture Business (AGEC 19203)
A study of the structure and organization of agricultural business, to include the basic economic principles and their application to agriculture.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Describe the structure, scope, and components of the agribusiness sector and its role within the food and fiber system.
2. Explain basic economic concepts and management principles as they apply to decision-making in agribusiness.
3. Identify and explain the core functions of management, planning, organizing, leading, and controlling in agricultural business settings.
4. Create a basic business plan for agribusiness operation, incorporating planning, budgeting, and marketing strategies.
5. Work collaboratively in teams to solve real-world agribusiness problems and present practical recommendations.

Farm and Ranch Safety (AGRI 10103)
This course provides a comprehensive overview of safety principles and practices critical to farming and ranching operations from small hand tools to tractors and implements. Emphasis is placed on the identification and mitigation of hazards associated with machinery, livestock handling, chemical usage, electrical systems, confined spaces, and environmental conditions. Students will gain hands-on experience in applying safety protocols and using personal protective equipment (PPE), as well as learning how to develop and implement farm safety plans.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify and explain the common agricultural hazards.
2. Demonstrate correct use of personal protective equipment (PPE) and apply safe practices during agricultural tasks.
3. Describe tractor ballasting and explain the effect of PTO torque on tractor performance.
4. Interpret farm input labels and safety data sheets.
5. Develop and present a comprehensive farm or ranch safety plan.

Agricultural Mechanics and Equipment (AGRI 10203)
This course introduces students to the principles, tools, and technologies of agricultural mechanics with an emphasis on equipment operation, maintenance, and repair. Students will gain hands-on experience working with tractors, implements, irrigation systems, welding, and basic electrical and hydraulic systems commonly used in modern agriculture. Safety, troubleshooting, and preventative maintenance practices are emphasized to prepare students for efficient and sustainable farm operations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Farm Ranch and Safety (AGRI 10103)	Spring	Lecture: 1 Lab: 2	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Explain the role of mechanical systems (electrical, hydraulic, and engine) in modern agricultural operations.
2. Demonstrate proficiency in operating and maintaining tractors and common farm implements.
3. Perform basic troubleshooting, repair, and preventative maintenance on agricultural equipment.
4. Apply fundamental welding, fabrication, and mechanical skills to farm projects.
5. Apply safety protocols in the use of agricultural tools, equipment, and shop facilities.

Agricultural Operations I (AGRI 11103)
This introductory course provides students with a foundation in modern agricultural practices, equipment operation, and farm safety. Students will explore the basics of crop and livestock production, soil management, and recordkeeping essential to running a successful farm. Through hands-on activities, students will develop practical skills in operating agricultural tools and machinery, following workplace safety standards, and performing routine farm tasks.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 1 Lab: 2	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate safe and effective use of basic farm equipment and tools.
2. Describe fundamental principles of soil, crop, and livestock management.
3. Apply farm safety practices in daily operations.
4. Perform entry-level farm tasks such as planting, feeding, and equipment maintenance.
5. Maintain simple records related to inputs, production, and costs.

Agricultural Operations II (AGRI 11203)
Building on Agricultural Operations I, this course emphasizes applied skills in crop production, animal care, farm equipment operation, and resource management. Students will analyze production systems, apply pest and nutrient management strategies, and practice seasonal farm operations. Emphasis is placed on efficiency, sustainability, and decision-making in real-world farm settings.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Agricultural Operations I (AGRI 11103)	Spring	Lecture: 0 Lab: 3	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Operate and maintain intermediate-level agricultural machinery and technology.
2. Implement crop and livestock management practices for seasonal production cycles.
3. Develop and apply nutrient and pest management strategies.
4. Record, analyze, and interpret farm data to inform decisions.
5. Apply principles of sustainability in farm operations.

Agricultural Operations III (AGRI 11303)
This course advances students' skills in managing integrated farm operations. Students will coordinate crop and livestock activities, monitor resource use, and apply data-driven decision-making to improve productivity and sustainability. Emphasis is placed on equipment efficiency, recordkeeping accuracy, and the application of precision agriculture technologies in daily farm management.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Agricultural Operations II (AGRI 11203)	Fall	Lecture: 0 Lab: 3	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Operate and maintain advanced-level agricultural machinery and technology.
2. Demonstrate leadership and team management skills in an agricultural setting.
3. Apply regulatory, environmental, and food safety standards in farm operations.
4. Evaluate data-driven farm performance metrics to improve decision-making and implement continuous operational improvements.

Precision Agriculture I (AGRI 12103)
This course introduces students to the concept of precision agriculture and its role in modern farming. It covers key applications and technologies such as GPS, GIS, remote sensing, and sensors that support more efficient, sustainable, and profitable agricultural practices. Students will explore how these tools enhance productivity, reduce environmental impact, and build resilience in farming systems. Some lectures may be replaced with field trips.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 1 Lab: 2	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Define precision agriculture and explain its importance in modern agricultural systems.
2. Analyze weather, airspace, and environmental data to create safe and effective flight plans.
3. Operate drones safely and effectively in various scenarios, including emergency situations, to protect people and property.
4. Apply principles of crew resource management (CRM) to ensure effective communication, teamwork, and decision-making during drone operations.

Introduction to Unmanned Aerial Systems (UAS) (AGRI 14103)
This course is designed to equip students with the theoretical knowledge and hands-on skills required to obtain the Federal Aviation Administration (FAA) Part 107 Drone Pilot License. Students can expect a combination of theory-based instruction with practical application. This course provides aspiring drone pilots with the essential knowledge and skills to excel in drone aviation. Students will master FAA Part 107 regulations, ensuring legal compliance and responsible drone operation. Furthermore, students will efficiently plan and execute drone flights using weather and environmental data, all while ensuring safety through checklists and procedures. By the end of the course, students will be fully prepared to pass the FAA Part 107 Drone Pilot License exam through thorough review and practice tests.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Describe the FAA Part 107 regulations and explain how they apply to legal and responsible drone operations.
2. Analyze weather, airspace, and environmental data to create safe and effective flight plans.
3. Operate drones safely and effectively in various scenarios, including emergency situations, to protect people and property.
4. Apply principles of crew resource management (CRM) to ensure effective communication, teamwork, and decision-making during drone operations.

Agriculture Science Lab (AGRI 19001)
Agriculture Science Laboratory will introduce students to various agriculture exercises in animal, plant, and soil science. The laboratory will consist of 45 contact hours throughout the length of a semester enabling students to apply knowledge and concepts acquired in the classroom in a field-based setting.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 0 Lab: 2	1

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate basic hands-on skills in soil, plant, and animal science through guided agricultural lab activities.
2. Identify common tools, techniques, and procedures used in crops, livestock, and greenhouse management.
3. Connect lab experiences to real-world agricultural practices and workforce expectations in the regional industry.

Making Connections in Agriculture (AGRI 19003)
Making Connections in Agriculture is a first semester freshman course centered on the skills and knowledge needed to be a successful UACCB Agriculture Technology student, including academic performance, problem solving, critical thinking, self-management, university policies, issues, trends, and disciplines in agriculture. Students will develop and manage good study behavior to master new learning. The course encourages students to develop a sense of belonging to the campus community, as well as a reasonable understanding of and a commitment to degree completion. Students will be required to attend various agriculture related conferences in the region to obtain additional knowledge and perspective of agriculture in the state of Arkansas.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify key historical developments in agricultural education and explain their relevance to contemporary agricultural practices in the United States and Arkansas.
2. Analyze the grand challenge and destabilizing factors in agriculture, and summarize how these issues impact the local, regional, and national agricultural landscape.
3. Evaluate personal academic habits and time management strategies and develop a personalized plan to support academic success in agriculture-related coursework.
4. Demonstrate effective communication and collaboration skills by contributing to group activities that simulate real-world agriculture problem-solving.
5. Construction a professional networking plan that incorporates relevant organizations, conferences, and communication platforms within the agriculture sector.

Farm and Operations Management (AGRI 20103)
This course explores the operations and management of small farms and ranches, with a strong emphasis on the business side of agriculture. Designed for northcentral Arkansas, where family-owned operations predominate, the course covers financial planning, marketing, risk management, and decision-making for livestock (e.g., cattle, goats, and sheep), poultry enterprises, and crop production (e.g., soybeans, rice, corn). Students will learn practical tools to start or manage a small-scale farm business, incorporating local challenges like variable weather, market access, and sustainability. Through case studies, simulations, and hands-on activities, students will develop a basic farm business plan tailored to Arkansas's agricultural landscape. No prior farming experience is required.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Explain key principles of farm management and apply them to small-scale operations.
2. Develop and analyze financial statements, budgets, and cash flow projections for
3. farm businesses.
4. Identify marketing strategies and sales channels suitable for local livestock, poultry, and crops.
5. Assess risks in farming and recommend management strategies, including insurance and legal considerations.
6. Create a basic business plan for a small farm or ranch, incorporating economic tools and local resources.
7. Understand the role of technology, sustainability, and human resources in enhancing farm profitability.

Precision Agriculture II (AGRI 22103)
This course explores advanced technologies and integrated systems used in modern precision agriculture, with an emphasis on practical applications that improve efficiency, productivity, and sustainability. Topics include variable rate application systems, sensor-based input management, yield monitoring, automation and machine guidance, IoT devices, and decision support tools. The course is designed for students with prior exposure to fundamentals of precision agriculture systems. Emphasis is placed on practical applications, field trips, and hands-on activities.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Precision Agriculture I (AGRI 12103)	Fall	Lecture: 1 Lab: 2	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Differentiate between an active and a passive sensor.
2. Create a variable-rate prescription map.
3. Plan and configure an agricultural drone mission flight.
4. Process and analyze images collected by drones.
5. Interpret data from yield monitors, crop sensors, and soil sensors to support site-specific management decisions.

Fundamentals of Remote Sensing and Imagery Analysis (AGRI 24103)
This course aims to provide a foundational understanding of remote sensing principles and imagery analysis techniques with a focus on agricultural applications. Students will learn how to acquire, interpret, and apply remote sensing data to monitor crop health, monitor livestock, assess soil conditions, and improve precision agriculture practices. Topics include introduction to precision agriculture, electromagnetic spectrum fundamentals, vegetation index, sensor technologies, image processing, and geographic information systems (GIS). Through hands-on labs, students will gain practical experience with tools and methodologies to analyze satellite and drone imagery for informed decision-making in agriculture. The course will also introduce the concept of proximal sensing, where students will compare data obtained through proximal sensing with remotely sensed data, along with UADA commercial applicator technician education.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 1 Lab: 2	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Describe the principles and goals of Precision Agriculture and its role in modern crop systems.
2. Explain the basics of remote and proximal sensing, including types of sensors, wavelengths, and their agricultural applications.
3. Collect and retrieve imagery using drones and satellite tools, ensuring basic safety and accuracy with geospatial techniques.
4. Process collected imagery using image processing software tools to create basic outputs like orthomosaic files.
5. Explain the key state and federal regulations governing commercial and non-commercial pesticide licensing.

Crop Production (AGRI 26103)
This course introduces principles of crop production for small to mid-scale farms. Planting, growth stages, equipment use, and harvest techniques for row and specialty crops will be covered. Students gain hands-on experience in field preparation, seeding, irrigation, and crop monitoring, with attention to regenerative practices like cover cropping and reduced tillage.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify common cropping systems in the U.S. and Arkansas.
2. Identify plant structures, life cycles, and varieties.
3. Evaluate the impact of environmental factors on growth and development.
4. Interpret seed tags, rates and irrigation equipment.
5. Evaluate fertilizers, soil amendments, and conservation practices.

Crop Management (AGRI 26203)

This course focuses on managing crops through the growing season for optimal yield and soil health. Topics include crop rotation, nutrient management, and field scouting. An emphasis will be placed on practical decision-making and sustainable practices, including soil-building strategies and integrated crop planning suited to Arkansas's diverse farm operations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Crop Production (AGRI 26103)	Spring	Lecture: 1 Lab: 2	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify important rice, soybean, and cotton varieties, growth stages, and management practices.
2. Select the optimal pest control solution for each crop.
3. Describe the planting and harvesting process of each crop.
4. Evaluate fertilization and harvesting techniques for each crop.

Pest Management (AGRI 26303)
This course covers identification and control of weeds, insects, and diseases affecting crops. It emphasizes integrated pest management (IPM), resistant crop varieties, and biological controls. Students apply hands-on scouting, diagnosis, and treatment techniques while exploring eco-friendly and regenerative options for long-term pest control on small to mid-scale farms.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Calibrate a sprayer and demonstrate application methods.
2. Evaluate pest population density against established thresholds.
3. Identify signs and symptoms of common pests and diseases.
4. Determine control methods for common pests and diseases.
5. Interpret a pesticide label and apply accordingly.

Poultry Production (AGRI 27103)
This course focuses on small-scale poultry production, including broilers, layers, and specialty breeds. It covers housing, breeding, incubation, flock care, on-farm processing, and biosecurity. Students gain hands-on experience and explore direct marketing of eggs and poultry meat, with practices suited to farms, homesteads, and local markets in rural Arkansas.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Differentiate poultry breeds and their suitability for meat, eggs, or dual-purpose systems.
2. Discuss poultry nutrition, anatomy, physiology, and growth in production systems.
3. Evaluate poultry housing, welfare, disease management, and biosecurity protocols.
4. Evaluate egg grading, meat processing, and value-added product standards based on USDA guidelines.
5. Demonstrate practical knowledge through feed evaluation, incubation planning, and brooding setup.

Livestock Production (AGRI 28103)
This course covers practical aspects of raising beef, swine, sheep, goats, and poultry, including handling, breeding, facilities, and farm management. Students develop hands-on skills through labs and farm visits. Topics include daily care, recordkeeping, and basic considerations for nutrition and health as part of efficient livestock production in Arkansas.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Compare and contrast sectors of the livestock industry based on species, breeds, and uses.
2. Identify organs and functions of the major body systems of various species of livestock.
3. Discuss breeding and genetics among the various livestock species.
4. Compare and contrast common disease management issues among different livestock species and industries.

Animal Nutrition (AGRI 28203)
This course introduces principles of animal nutrition with emphasis on feed types, ration formulation, and nutrient requirements for livestock. Students gain practical experience evaluating feedstuffs, balancing rations, and managing feeding programs for common Arkansas farm animals through labs, fieldwork, and real-world scenarios.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Livestock Production (AGRI 28103)	Spring	Lecture: 1 Lab: 2	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Discuss the major nutrients (water, carbohydrate, lipid, protein, vitamin, and mineral).
2. Compare and contrast the digestive system anatomy of ruminants and non-ruminants.
3. Describe the digestion, absorption, metabolism, and excretion of nutrients.
4. Evaluate nutritional requirements for maintenance, growth, reproduction, lactation, and work.
5. Evaluate and balance feed rations to meet specific animal performance goals.

Animal Health (AGRI 28303)
This course covers basic principles of animal health and disease prevention with hands-on training in sanitation, vaccination, nutrition, housing, and parasite control. There will be an emphasis on practical skills for identifying, preventing, and treating common livestock diseases in Arkansas's rural settings through labs, demonstrations, and real-world farm scenarios.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Livestock Production (AGRI 28103)	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Describe basic concepts of animal health and disease.
2. Identify major causes of infectious diseases and their prevention.
3. Describe normal immune function and animal responses to disease.
4. Evaluate the impact of diseases on body systems and uncommon conditions
5. Explore One Health concepts, including zoonotic and food safety issues.

Agriculture Internship (AGRI 29303)

Agriculture Internship is a cooperative program between the student, the college, and an industry partner to foster the development of skills needed to be successful in the work environment. The student will develop a professional career portfolio and will be placed in a career training position in industry where the employer/mentor provides on-the-job training as an extension of the college classroom. Students spend approximately four weeks in class and up to ten weeks participating in on-the-job training during the semester for an equivalent of 80 hours of on-the-job training.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Apply classroom knowledge in real-world agricultural settings.
2. Evaluate career interests and goals within the agriculture industry.
3. Understand and comply with industry-specific regulations and safety standards.
4. Prepare a final report and/or presentation summarizing the internship experience.

Medical Terminology (ALHE 10503)
This course will provide the framework needed for advancing to other medical/allied health courses as it offers an introduction to medical terminology through the analysis of word construction including prefix, suffix, word roots, and combining forms. The student will acquire an understanding of medical meanings applicable to structure, function, and diseases of the human body. Abbreviations and their appropriate usage are also introduced. Upon completion of this course, students will gain the knowledge and abilities to confidently tackle the most complicated medical terms and use this ability throughout their educational experiences and health-related careers.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Construct accurate medical terms by combining appropriate prefixes, root words, suffixes, and combining forms using standard linguistic rules.
2. Relate medical terminology to basic anatomical and physiological concepts to explain normal body functions and common disease processes.
3. Demonstrate accurate use of medical terminology and abbreviations in both written and oral healthcare communication.

Introduction to Health Professions (ALHE 11043)
This course provides a general overview of the many health-related professions and the special concerns of the health care worker.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is currently offered only to concurrently enrolled high school students.	Lecture: 3 Lab: 0	3

Course Learning Outcomes
By the end of this course, students will be able to:

1. Describe the scope of practice, educational preparation, legal/ethical and economic aspects of various health related professions.
2. Demonstrate effective oral/written communication used by various health related professions.
3. Discuss the multifaceted roles of healthcare professionals in an interdisciplinary approach to health care.
4. Describe the current healthcare system and their trends.
5. Discuss the principles of Infection Control in health care.
6. Describe behaviors of job success.
7. Describe personal qualities required for those who hope to pursue a career in health care.
8. Discuss professionalism.
9. Identify the rights and responsibilities of health care workers.

First Aid and CPR (ALHE 11103)
Students will learn the skills needed to respond to and manage an emergency until emergency medical services arrive. Skills covered in this course include first aid; choking relief in adults, children, and infants; and what to do for sudden cardiac arrest in adults, children, and infants.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Describe the concepts of the Chain of Survival.
2. Perform high-quality CPR for the adult, child, and infant.
3. Recognize when someone needs CPR.
4. Describe how to perform two person CPR.
5. Demonstrate how to use an AED.
6. Describe when and how to help a choking adult, child, and infant.
7. List the priorities, roles, and responsibilities of first aid rescuers.
8. Describe the key steps in first aid.
9. Describe the assessment and first aid actions for: Heart attack, difficulty breathing, choking, sever bleeding, shock, and stroke.
10. Identify the proper use of an epinephrine pen.
11. Control bleeding with bandaging.
12. Recognize elements of common injuries.
13. Recognize elements of common illnesses.
14. Recognize the legal/ethical concepts that apply to first aid rescuers.

First Responder (ALHE 11203)
This course provides students with the core knowledge, skills and attitudes to function in the capacity of a first responder. The First Responder uses a limited amount of equipment to perform initial assessment and intervention and is trained to assist other EMS providers.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Describe the roles of EMS in the healthcare system.
2. Demonstrate the professional attributes expected of EMRs.
3. Perform the roles and responsibilities of an EMT with regard to personal safety and wellness, as well as the safety of others.
4. Perform the duties of an EMR with regard for medical-legal and ethical issues, including function under medical direction and within the scope of practice.
5. Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.
6. Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.
7. Assess and manage patients of all ages with a variety of complaints, medical conditions, and traumatic injuries.
8. Apply principles of emergency medical services operations, including considerations in ambulance and air medical transportation, multiple casualty incidents, gaining access to and extracting patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.

Health Skills I (ALHE 15037)
A study of concepts that serve as the foundation for health professions courses. Topics include client handling and safety issues, health documentation and methods, and care of the client in a long-term care facility. With successful completion of this course, the student will be eligible to take the state certification exam and apply for certification as a nursing assistant. CPR certification will also be obtained. This course follows the guidelines outlined by the Office of Long-Term Care.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 6 Lab: 2	7

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate basic nurse assistant skills.
2. Perform the duties and responsibilities of a nursing assistant.
3. Demonstrate when to seek the nurse to report and observe change in the client.
4. Address infection control standards and discuss several common diseases.
5. Demonstrate ability to document observations of client needs.
6. Address psychosocial issues of clients in health care facilities.
7. Discuss Good Samaritan laws and who they protect and to what extent.
8. Respond to a client in an emergency situation, get their data, and report appropriately.
9. React to client situations utilizing the concepts of CA be (circulation, airway, and breathing).
10. Utilize common terminology; Recognize important signs/ symptoms.
11. Demonstrate communication (listening and reporting) skills
12. Explain care needs of the geriatric client and care needs as related to dementia.

Phlebotomy (ALHE 16037)
This course prepares individuals, under the supervision of physicians and other health care professionals, to draw blood samples from patients using a variety of intrusive procedures. This includes instruction in basic vascular anatomy and physiology, blood physiology, skin puncture techniques, venipuncture, venous specimen collection and handling, safety and sanitation procedures, and applicable standards and regulations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 5 Lab: 2	7

Course Learning Outcomes

By the end of this course, students will be able to:

1. List the steps in selected specimen collection procedures performed by the phlebotomy technician.
2. Discuss the safety procedures in the healthcare setting and specifically in performing specimen collection procedures.
3. Identify specific supplies and equipment used in selected specimen collection procedures.
4. Participate in a discussion about precautions and guidelines when collecting specimens in special populations such as pediatrics and geriatrics.
5. Define quality of care and explain the impact on patient medical care when quality and safety are compromised in phlebotomy procedures.
6. Describe the anatomy, physiology, pathophysiology, and medical terminology associated with phlebotomy.
7. Discuss the requirements of the successful phlebotomy career including desired character traits, training, and education roles and responsibilities.
8. Demonstrate professional communication techniques with clients and others in the healthcare setting verbally, nonverbally, with health record and using computer systems.
9. Identify common legal issues, ethical issues, and regulatory issues commonly impacting the phlebotomist.

Nutrition (ALHE 20033)
Covers the fundamentals of normal and clinical nutrition. Information regarding clinical nutrition is organized according to an organ system/disease states approach. Topics such as fitness, consumer concerns, cancer and AIDS are included.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Explain the role of nutrition in health, including how food choices influence chronic disease risk and overall well-being.
2. Identify credible sources of nutrition information and apply dietary guidelines, including the Dietary Reference Intakes, to support healthy eating habits.
3. Describe the process of digestion, absorption and nutrient metabolism, and apply this knowledge to common conditions such as diabetes and cardiovascular disease.
4. Evaluate the functions, food sources, and health impacts of key nutrients, including vitamins, minerals, proteins, and their role in energy metabolism.
5. Apply nutritional principles to special populations and situations, including pregnancy, lactation, physical activity, weight management, and food safety.

Health Assessment (ALHE 20103)
Provides learners with the opportunity to develop and practice health history taking and physical examination skills. History taking methodology, physical examination skills, health promotion techniques and clinical assessment tools are discussed. Age related assessment considerations and findings are reviewed. The learner will be able to perform a comprehensive medical history and physical assessment upon successful completion of this course. Student must hold a current RN license or be enrolled in the registered nursing program or obtain the instructor's permission.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Obtain health histories for a child, adult, and/or geriatric patient(s).
2. Execute lifestyle risk factors assessment for identified patient(s).
3. Compile health teaching materials for at-risk patient(s).
4. Perform a mental status examination on an adult patient.
5. Adapt physical examination techniques for infant, child, and geriatric patients.
6. Evaluate assessment needs of patient(s) presented in simulated clinical situations.
7. Perform a physical examination using appropriate equipment and technique.

Pharmacology (ALHE 23003)
This three credit hour course will examine how the body handles drugs and the effects of various classes of drugs on the body, including sites and mechanisms of action, therapeutic and side effect, and toxicology. The pharmacologic knowledge will prepare the learner to function in the changing health care environment. Successful and safe clinical practice is built on understanding the concepts and principles of pharmacology. The concepts of pharmacology will guide drug use in clinical practice. The approach is to relate the physiologic and pathophysiologic factors of disease processes to drug mechanisms and subsequent care.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate knowledge of pharmacodynamics and pharmacokinetics.
2. Demonstrate knowledge of major drug classes in terms of physiologic and biologic activity, therapeutic applications, route of administration and dosage, side effects, adverse reactions, indications, contraindications, and interactions.
3. Apply knowledge in the establishment of dosage, intervals, and scheduling of drugs to a variety of patients.
4. Describe the legal guidelines that apply to drug administration.

Computer Aided Drafting and Design (AMST 20303)
CADD is a shortened term for automated computer-aided drafting and design. The course introduces students to three-dimensional modeling in CADD software environments. Students familiarize themselves with two-dimensional and three-dimensional CADD modeling commands, files, menus, and tools. Course expectations require students to proficiently draft, modify, and digitally transfer CADD files using appropriate computer manufacturing and design software. Students utilize CADD files to produce tangible products.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Navigate computer-aided drafting and design software.
2. Create and manipulate 3D models of parts and assemblies.
3. Create engineering drawings that accurately represent 3D models, using standard drafting conventions and symbols.
4. Manage CADD files in an organized way.

Fluid Power (AMST 20403)
This course provides theory and hands-on experience with the operations of fluid power systems (hydraulic and pneumatic). Troubleshooting, repair, and design considerations are key components of the course. Laboratory trainers are used to design, build, test, and experiment with hydraulic and pneumatic circuits.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Technical Math (MATH 10103)	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify the components of fluid power systems.
2. Analyze fluid power schematics to determine system function.
3. Interpret fluid power diagnostic equipment to confirm proper system operation.
4. Troubleshoot and correct problems within a fluid power system.

Programmable Logic Controllers (AMST 20504)
This course introduces control fundamentals and logic control concepts used in programming and operating Programmable Logic Controllers used in industrial processes. A computer-based simulator using LogixPRO software is used to provide initial training on Allen Bradley PLCs. The course introduces math functions, logic and bit shift instructions, compare and jump instructions, subroutine functions, and sequencer instructions. In addition to the computer-based simulator, live simulators are used in laboratories to practice programming, wiring, and operating live PLCs with input and output devices.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Technical Math (MATH 10103) or higher-level math course.	Spring	Lecture: 3 Lab: 1	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe a programmable logic controller and its function within an industrial system.
2. Interpret existing PLC programs and ladder logic diagrams.
3. Identify components of hardware systems aligned with corresponding schematics.
4. Develop PLC programs based on mock requirements.
5. Troubleshoot and correct PLC programs.

Robotics (AMST 21303)
In this course students will become familiar with Embedded Robotics. Students will learn programming of embedded controllers, interfacing of sensors (inertial measurement unit, light & color, and color video camera), the actuation of servo motors, serial communications, and the control of autonomous robotics systems. Students will practice lower-level programming using the C language. Concepts and methodologies will be demonstrated in class with sample code and the students will expand on these further during in-class exercises. Upon completion of this course, students will have an integrated hardware/software understanding of embedded robotic systems in preparation for application in the workplace.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: DC Electricity (TECH 10353)	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify components utilized within modern robotics.
2. Design, build, and program a robot to fulfill requirements when presented with a scenario.
3. Build autonomous protocols for a robot using various sensors (encoders, potentiometers, sonar, etc.).
4. Program and troubleshoot an industrial robot arm.

Introduction to CNC Machinery (AMST 22333)
This course introduces the concepts and capabilities of computer numerical control machines. 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.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:
1. Program CNC equipment using design software.
2. Produce original designs utilizing CNC equipment from a variety of materials.
3. Perform maintenance on CNC equipment.

Computer Aided Manufacturing (CAM) (AMST 23303)
Introduction to the principles of modern-day multi-axis machine tool control, using computer-aided manufacturing (CAM) software tools. Emphasis is placed on transferring part geometry from CAD to CAM, for the development of CNC-ready programs. Industry file formats, machining strategies, G&M-code generation, optimization and verification techniques will also be investigated. Upon successful completion of this course, students will be able to demonstrate proficiency in the use of industry-relevant CAD/CAM software and will be able to extend that knowledge to practice through exercises and projects. Use of CNC machine tools will be introduced and demonstrated in the department's physical lab spaces.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Computer Aided Drafting and Design (AMST 20303)	This course is not currently offered.	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate proper CNC Milling Machine start-up and power-down.
2. Explain safe machine operation practices.
3. Demonstrate how to program tool and part offsets.
4. Demonstrate proficiency navigation of the CNC control keypad, screen and control functions.
5. Identify common workpiece material types.
6. Identify and explain the use of common tooling.
7. Demonstrate basic machine maintenance strategies and techniques.

Preventative Maintenance and Troubleshooting (AMST 24003)
This course introduces students to the fundamentals of preventative maintenance with an emphasis on safety, proper tool use, and hands-on skill development. Students will learn to inspect, service, and maintain industrial and facility equipment to prevent failures and extend equipment life. Instruction includes basic mechanical systems, lubrication practices, fasteners, belts and drives, bearings, and common wear components. Students will develop skills in conducting routine inspections, identifying early signs of equipment deterioration, adhering to maintenance schedules, and documenting maintenance activities. Emphasis is placed on accuracy, reliability, and adherence to industry safety standards. Upon completion, students will be prepared for entry-level maintenance positions or for further training in industrial maintenance and related technical fields.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Basic Machining (MSTE 12003)	Spring	Lecture: 0 Lab: 3	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify and classify common mechanical and facility system components and recognize typical signs of wear, damage, and failure during routine inspections.
2. Demonstrate and apply preventative maintenance procedures, including lubrication, adjustment, and scheduled component replacement, in accordance with manufacturer specifications and maintenance plans.
3. Apply and demonstrate safe operation of hand tools, power tools, and basic diagnostic equipment while complying with OSHA and industry safety standards.
4. Record, interpret, and report preventative maintenance activities by accurately completing work orders, inspection checklists, and maintenance documentation.

Introduction to Animal Science (ANSC 19303)
A study of animals that provide food, fiber, and companionship to humankind, including the history and scope of animal agriculture, products produced from animals, reproduction, breeding and genetics, nutrients and digestion, lactation, behavior, and overview of production systems.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Explain the biological and physiological processes involved in animal growth, reproduction, and digestion.
2. Compare and contrast common livestock production systems with regard to efficiency, animal welfare, and sustainability.
3. Apply basic genetic and breeding principles to evaluate strategies for improving livestock traits.
4. Analyze nutritional requirements and develop feed plans for different classes of livestock.
5. Summarize ethical considerations and environmental impacts associated with animal agriculture practices.

Cultural Anthropology (ANTH 20103)
This course introduces the concept of culture and cultural processes. It examines perceptions of race, gender, and ethnicity and compares human adaptation across cultures and through time in terms of subsistence methods, social and political organization, economics, stratification, marriage and family structure, religion, kinship, and language.
ACTS Equivalency Course ID: ANTH 2013 Cultural Anthropology.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Define anthropology, and related sub-disciplines, and discuss the techniques, ethics and theoretical concerns of human ethnography.
2. Be able to discuss the social institutions comprising human culture and the interrelatedness of each.
3. Exhibit an understanding of ethnocentrism and culture relativism in relations to the stereotypes of everyday life.
4. Be able to analyze the anthropological concepts in a critical understanding of everyday activities and relationships.
5. Discuss the construction of culture as specifically related to the following: language, family, marriage, gender, and religion.

Visual Art (ARHS 10003)
An introductory survey of the visual arts. Exploration of purposes and processes in the visual arts including evaluation of selected works, the role of art in various cultures, and the history of art.
ACTS Equivalent Course ID: ART 1003 Art Appreciation.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify key visual elements, principles of design, and various media used in the creation of visual art.
2. Analyze the nature, purpose, and function of visual arts across different cultures and historical periods.
3. Recognize and compare stylistic characteristics of selected works and major artists within specific art movements or time periods.
4. Critique an original work or art using appropriate terminology.

Biology for General Education Lab (BIOL 10031)
Students will apply laboratory techniques in experimentation and observation to illustrate biological concepts as covered in Biology for General Education. This course is not appropriate for biology or health science majors and will not fulfill the lab requirement for Biology for Majors.
ACTS Equivalent Course ID: BIOL 1004 Biology for Non-Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Biology for General Education (BIOL 10043)	Fall Spring Summer	Lecture: 0 Lab: 2	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply the scientific method as a system of inquiry by designing and conducting experiments, analyzing data, and communicating findings through written and oral reports.
2. Perform laboratory techniques, including microscopy, measurement conversions, cell staining, pipetting, and proper use of lab equipment with precision and accuracy.
3. Analyze the structure and function of cells and organisms, energy transformations, cellular reproduction, as well as evolutionary principles and classification.
4. Evaluate ecological relationships by explaining interactions between organisms and their environments using scientific principles and evidence.

Topics included in his course:

- Organismal structure and function, including all kingdoms
- Cell structure and function
- Genetics and reproduction
- Ecology
- Basic components of evolution and classification
- Use of microscope and other lab equipment

Biology for General Education (BIOL 10043)
A survey of biology to include an introduction to the fundamental principles of living organisms including properties, organization, function, evolutionary adaptation, and classification. Introductory study of concepts of reproduction, genetics, ecology and the scientific method are included. Not appropriate for biology or health science majors. ACTS Equivalent Course ID: BIOL 1004 Biology for Non-Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Biology for General Education Lab (BIOL 10031)	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Explain the characteristics and organization of life, including principles of natural selection and diversity, as well as identifying the key characteristics of the domains and kingdoms of life, including their ecological roles.
2. Identify and describe the steps of the scientific method and apply them to analyze natural phenomena.
3. Describe the basic chemical components of living organisms and explain how energy is transformed within cells and ecosystems.
4. Explain cellular structure and function, and demonstrate understanding of the principles of reproduction, genetics, and inheritance.

Topics included in this course:

- Scientific method
- Organismal structure and function, including all kingdoms
- Cell structure and function
- Genetics and reproduction
- Ecology
- Basic components of evolution and classification

Biology for Majors Lab (BIOL 10101)
Students will apply laboratory techniques in experimentation and observation to illustrate biological concepts covered in Biology for Majors.
ACTS Equivalent Course ID: BIOL 1014 Biology for Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite:	Fall	Lecture: 0	1
Biology for Majors (BIOL 10103)	Spring	Lab: 2	

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply the scientific method as a system of inquiry by designing and conducting experiments, analyzing data, and effectively communicating findings through written and oral reports.
2. Preform laboratory techniques, including microscopy, measurement conversions, cell staining, pipetting, and gel electrophoresis for DNA analysis.
3. Analyze cellular structure and function, energy transformation, the principles of cellular reproduction and the use of DNA technologies using laboratory data.
4. Evaluate experimental results and scientific data using appropriate laboratory techniques, to draw evidence-based conclusions.

Topics included in this course:

- Scientific Method
- Classification
- Cell and membrane structure functions
- Biochemistry
- Enzymes
- Respiration and photosynthesis
- Mitosis and meiosis
- Metabolism
- Genetics
- DNA
- Evolution
- Use of microscope and other lab equipment

Biology for Majors (BIOL 10103)
Cellular and molecular biology are the main areas of focus. Basic concepts of ecology will also be covered.
ACTS Equivalent Course ID: BIOL 1014 Biology for Majors.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Biology for Majors Lab (BIOL 10101)	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the characteristics, organization, and chemical basis of life, including the structure and function of cells, enzymes, and cellular membranes.
2. Analyze the processes of cellular metabolism, including photosynthesis, cellular respiration, and enzyme function, to explain energy transformations in living organisms.
3. Apply principles of genetics, inheritance, and cellular reproduction (mitosis and meiosis) to predict genetic outcomes and explain the structure and function of DNA in heredity.
4. Explain the principles of natural selection, biodiversity, and classification.
5. Apply the scientific method to answer questions about natural phenomena.

Topics included in this course:

- Scientific Method
- Classification
- Cell and membrane structure and functions
- Biochemistry
- Enzymes
- Respiration and photosynthesis
- Mitosis and meiosis
- Metabolism
- Genetics
- DNA
- Evolution

Essentials of Anatomy and Physiology Lab (BIOL 10151)
A laboratory experience emphasizing the anatomy of human organ systems and measurements of human physiology. The course does not meet requirements for AS degree science majors.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ENGL 00203 or equivalent or higher course with a grade of C or higher OR ACT Reading score of 19 or equivalent placement score. Corequisite: Essentials of Anatomy and Physiology (BIOL 10253)	Fall Spring Summer	Lecture: 0 Lab: 2	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify general subcellular, cellular, and tissue-level features using a compound light microscope.
2. Demonstrate competent use of the language of anatomy, using conventional terms for anatomical landmarks, regions, directions, and movements.
3. Identify the major gross anatomy of the skeletal, muscular, nervous, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems.
4. Explain the major functional anatomy of the special sense organs, endocrine glands, heart, digestive system, urinary system, and reproductive system.
5. Recognize the cellular anatomy of the integument, endocrine glands, blood, and digestive system.

Essentials of Anatomy and Physiology (BIOL 10253)
Focuses on concepts of basic chemistry and human biology, including basic cellular biology and the structure and function of human organ systems. The course is designed for majors in EMT-Paramedic, Medical Office Management, Practical Nursing, and as an AA degree general education or liberal arts focus elective. This course does not meet requirements for AS degree science majors.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: (ENGL 00203) or equivalent or higher course with a grade of C or higher OR ACT Reading score of 19 or equivalent placement score. Corequisite: Essentials of Anatomy and Physiology Lab (BIOL 10151)	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Summarize the hierarchy of biological organization, including description of the relationships between and among each level.
2. Characterize the organ systems that support the body physically and enable its action.
3. Distinguish between methods and modes of input, integration, and output managed by the body's sensorimotor and regulatory systems.
4. Describe the organ systems that manage the movement of materials needed to sustain life and protect the internal environment from pathogens.
5. Explain the body processes used to engage the external environment to collect fuel, handle waste, and reproduce.

General Botany Lab (BIOL 10301)
This course will cover the structure and function of plants. Topics to be covered include cells, tissues, photosynthesis, survey of plant groups, and plant reproduction. Students will be required to use microscopes and other lab equipment as necessary. This course is designed for science majors.
ACTS Equivalency Course ID: BIOL 1034 Botany for Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: Biology for Majors with Lab (BIOL 10103/BIOL 10101) with a grade of C or higher. Corequisite: General Botany (BIOL 10303)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 0 Lab: 2	1

Course Learning Outcomes By the end of this course, students will gain knowledge of:
1. Scientific Method
2. Classification and evolution of plants
3. Structure and function of vascular and non-vascular plants
4. Plant reproduction
5. Photosynthesis
6. Respiration
7. Characteristics of major plant groups

General Botany (BIOL 10303)
This course will cover the fundamental principles of botany, including properties, structure and function, growth, and classification of plants. Concepts included are plant reproduction, photosynthesis, ecology, and genetics. This course is designed for science majors.
ACTS Equivalency Course ID: BIOL 1034 Botany for Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: General Botany Lab (BIOL 10301)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will gain knowledge of:
1. Scientific Method
2. Classification and evolution of plants
3. Structure and function of vascular and non-vascular plants
4. Plant reproduction, including mitosis and meiosis
5. Photosynthesis
6. Cellular respiration
7. Requirements for plant growth
8. Ecological relationships

Principles of Zoology Lab (BIOL 10501)
Laboratory exercises illustrating animal structure, physiology, genetics, and ecology. ACTS Equivalency Course ID: BIOL 1054 Zoology. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Principles of Zoology (BIOL 10503)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 0 Lab: 2	1

Course Learning Outcomes

By the end of this course, students will be able to:

1. Understand the structure and function of tissues and animal classification.
2. Each student will know the basic anatomy and identification by making observations and performing dissections of the following organisms:
    a. Protozoa
    b. Porifera and Cnidaria
    c. Platyhelminthes and Nematoda
    d. Mollusca and Annelida
    e. Chelicerates and crustaceans (Arthropoda)
    f. Myriapods and insects (Arthropoda)
    g. Echinodermata
    h. Fishes (Chordata)
    i. Amphibians and Reptiles (Chordata)
    j. Birds and Mammals (Chordata)

Principles of Zoology (BIOL 10503)
Principles governing all animals' forms and functions. This course will cover extensively the phylogenetic survey of the Kingdom Protista and Kingdom Animalia.
ACTS Equivalency Course ID: BIOL 1054 Zoology. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Principles of Zoology (BIOL 10501)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Understand the basics of the scientific method and evolutionary principles, animal ecology, animal architecture, classification and phylogeny.
2. Know the characteristics and phylogeny of the Protista, Sponge, Radiate, Animals, Acoelomates, Pseudocoelomates.
3. Know the characteristics and phylogeny Molluscs, and Segmented Worms, Arthropods, Lesser Protostomes, and Lophophorates, Echinoderms, Hemichordates, and Chaetognaths.
4. Know the basic characteristics of chordates, and characteristics and phylogeny of fishes, early tetrapods and modern amphibians, reptiles, birds, and mammals.

Microbiology Lab (BIOL 20001)
Provides experience with microbiological laboratory techniques. Emphasis is placed on culturing and identifying medically important bacteria and human parasites.
ACTS Equivalent Course ID: BIOL 2004 Introductory Microbiology. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Microbiology (BIOL 20003)	Fall Spring Summer	Lecture: 0 Lab: 3	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate competent and productive use of conventional microbiological tools and techniques.
2. Describe bacterial species according to cellular shape, arrangement, and classification using compound light microscopy following a range of sample preparation and sample staining techniques.
3. Survey diverse bacterial species according to physiological properties by interpreting results from a panel of standard biochemical tests.
4. Analyze microbial growth under varying environmental conditions and when cultured from a variety of natural and consumer-product sources.

The course will explore the following topics in pursuit of these outcomes:

- Use of a microscope
- Preparation of stains
- General laboratory techniques, including but not limited to aseptic technique, streak plating, and identification methods

Microbiology (BIOL 20003)
Emphasizes the biology of medically important microorganisms. Topics include the history of microbiology, cellular and molecular biology of prokaryotes, epidemiology and pathogenicity, as well as surveys of bacterial, fungal and viral groups.
ACTS Equivalent Course ID: BIOL 2004 Introductory Microbiology. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Any biology course with a four-hour combination of lecture and lab with a grade of C or higher except Biology for General Education with Lab (BIOL 10031/BIOL 10043) Corequisite: Microbiology Lab (BIOL 20001)	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the fundamental biological processes underlying microbial life.
2. Describe strategies for control of microbial spread.
3. Evaluate the relationship between individual human hosts and microbes.
4. Evaluate the relationship between human populations and microbes.

The course will explore the following topics in pursuit of these outcomes:

- History of microbiology
- Biological and chemical concepts, including metabolism, as applied to microorganisms
- Basic classification, characteristics, and behavior of microorganisms
- Host-microbe interactions that result in infection
- Fundamentals of immunology
- Principles of asepsis, sterilization, and disinfection
- Principles of epidemiology as they apply to the effect of microorganisms on the human population
- General methods for the prevention and control of infectious disease transmission
- Microbial growth
- Microbial genetics

Pathophysiology for Health Care (BIOL 21053)
Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injury.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: Essentials of A&P with Lab (BIOL 10253/BIOL 10151) with a grade of C or higher OR A grade of C or higher in: Anatomy and Physiology I with Lab (BIOL 24003/BIO 24001) AND Anatomy and Physiology II with Lab (BIOL 24103/BIOL 24101).	This course is not currently offered.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the key structure and functional inter-relationships in different body systems.
2. Explain the role of the body's normal defenses and altered immune responses.
3. Describe diseases of the white blood cells, red blood cells, and platelets.
4. Explore alterations resulting in decreased cardiac output and altered tissue perfusion.
5. Analyze infectious, ventilation, and perfusion disorders of the respiratory system.
6. Discuss normal electrolyte functions and normal pH regulation, as well as electrolyte and acid-base disorders.
7. Compare renal alterations that alter urinary elimination and impaired renal function.
8. Describe congenital and other disorders of the reproductive system.
9. Identify and contrast disorders of the upper and lower gastrointestinal system.
10. Compare and contrast disorders of the parathyroid, thyroid, and adrenal glands.
11. Describe and differentiate the types of diabetes mellitus.
12. Explain congenital, traumatic, and vascular neurological disorders.
13. Recognize vascular neurological and chronic degenerative neurologic disorders.
14. Describe congenital and traumatic musculoskeletal disorders.
15. Review metabolic join disorders, inflammatory joint disorders, and chronic muscle disorders.
16. Compare congenital, traumatic, inflammatory, and infectious disorders of the integumentary and sensory systems.
17. Describe and discuss cancers of the various body systems.

18. Describe the various conditions associated with aging in multiple systems.

Anatomy and Physiology I Lab (BIOL 24001)
Emphasizes cell structure; histology of human tissues; anatomy of the integument human skeleton, muscles, and nervous system.
ACTS Equivalent Course ID: BIOL 2404 Human Anatomy and Physiology I. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: A grade of C or higher in ENGL 00203 or English Composition I (ENGL 10103) OR ACT Reading score of 19 or equivalent placement score OR ACT Reading score 13-18 with approved HS GPA 3.25 or higher and HS English 12 grade of B or higher. Corequisite: Anatomy and Physiology I (BIOL 20003)	Fall Spring Summer	Lecture: 0 Lab: 2	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify general anatomical terminology, major organ locations, tissue types, and components of the integumentary, skeletal, muscular, and nervous systems and participate in dissections.
2. Describe the structure and function of cells, including transport mechanisms, mitotic stages, and the roles of tissues and membranes in maintaining homeostasis.
3. Identify the classification and function of bones, joints, muscle tissue, and nervous structures, including the spinal cord, brain, cranial nerves, and reflexes.
4. Explain the basic principles of microscopy, muscle contraction, neural signaling, and sensory function, including electroencephalograms and reflex classification.

The course will explore the following topics in pursuit of these Outcomes:

- General body organization and function
- Basic biochemistry
- Cellular structure and function
- Metabolism
- Histology
- Integumentary system
- Skeletal system
- Joints
- Muscular system
- Nervous system
- Special senses

- Digestive system
- Reproductive system
- Blood
- Cardiovascular system
- Endocrine system
- Lymphatic system
- Respiratory system
- Urinary/excretory system
- Proper use of a microscope, other lab equipment, and lab techniques

Anatomy and Physiology I (BIOL 24003)
The first course of a two-semester sequence. Topics include anatomical terminology, basic biochemistry, cellular biology, histology, the structure and function of the integumentary, skeletal, muscular, and nervous systems.
ACTS Equivalent Course ID: BIOL 2404 Human Anatomy and Physiology I. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: ENGL 00203 with a grade of C or higher OR English Composition I (ENGL 10103) with grade of C or higher OR ACT Reading score 19 or equivalent placement score OR ACT Reading score 13-18 with approved HS GPA 3.25 or higher and HS English 12 grade of "B" or higher. Corequisite: Anatomy and Physiology I Lab (BIOL 20001)	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify general body landmarks, planes, and orientations.
2. Classify types of matter, compounds, and their functions in human biological chemistry.
3. Describe the structure and function of cells, cell membrane transport, tissue types, and the integumentary system, including its role in maintaining homeostasis.
4. Explain the structure, function, and homeostatic imbalances of the skeletal, joint, and muscular systems, including muscle mechanics and classification.
5. Summarize the fundamentals of nervous tissue, the central, peripheral, and autonomic nervous systems.
6. Describe neural integration to basic physiological processes.

This course will explore the following topics in pursuit of these Outcomes:

- General body organization and function
- Basic biochemistry
- Cellular structure and function
- Metabolism
- Histology

- Integumentary system
- Skeletal system
- Joints
- Muscular system
- Nervous system
- Special senses
- Digestive system
- Reproductive system
- Blood Cardiovascular system
- Endocrine system
- Lymphatic system
- Respiratory system
- Urinary/excretory system

Anatomy and Physiology II Lab (BIOL 24101)
Emphasizes reflexes and sensation, special senses, hematology, anatomy of the heart, circulatory system, respiratory, digestive, urinary, and reproductive systems, ECGs, and urinalysis.
ACTS Equivalent Course ID: BIOL 2414 Human Anatomy and Physiology II. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: Anatomy and Physiology I with Lab (BIOL 24003/BIOL 24001) with a grade of C or higher. Corequisite: Anatomy and Physiology II (BIOL 24103)	Fall Spring Summer	Lecture: 0 Lab: 2	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify the anatomy and evaluation tests of special sense organs, endocrine system structures, and blood components and participate in dissections.
2. Label the anatomy of the heart, blood vessels, and selected circulations, and summarize procedures for measuring and interpreting blood pressure and pulse.
3. Classify the anatomy of the respiratory, digestive, urinary, and reproductive systems, and describe the factors affecting their physiological functions.
4. Outline the anatomy and processes involved in embryonic development and recognize evaluation tests related to the urinary and reproductive systems.

The course will explore the following topics in pursuit of these Outcomes:

- General body organization and function
- Basic biochemistry
- Cellular Structure and function
- Metabolism
- Histology
- Integumentary system
- Skeletal system
- Joints
- Muscular system
- Nervous system
- Special senses
- Digestive system
- Reproductive system
- Blood
- Cardiovascular system
- Endocrine system
- Lymphatic system
- Respiratory system
- Respiratory system
- Urinary/excretory system
- Proper use of a microscope, other lab equipment, and lab techniques.

Anatomy and Physiology II (BIOL 24103)
The second course of a two-semester sequence. Covers the structure and functions of the following systems: special senses, endocrine, circulatory, lymphatic, immune, respiratory, digestive, urinary, and reproductive. Nutrition and metabolism are also covered.
ACTS Equivalent Course ID: BIOL 2414 Human Anatomy and Physiology II. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: Anatomy and Physiology I with Lab (BIOL 24003/BIOL 24001) with a grade of C or higher. Corequisite: Anatomy and Physiology II Lab (BIOL 24101)	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the structure, function, and common homeostatic imbalances of the special senses and endocrine system.
2. Explain the components and functions of blood, the processes of blood cell production and clotting, and the effects of homeostatic imbalances.
3. Summarize the mechanisms of heart contraction, blood pressure regulation, capillary dynamics, and associated homeostatic imbalances.
4. Apply knowledge of the structure and function of the digestive, urinary, fluid balance, and reproductive systems to analyze metabolic processes and homeostatic imbalances.

Legal Environment of Business (BLAW 20003)
Introduction to the American legal system as it applies to the environment in which businesses operate.
ACTS Equivalency Course ID: BLAW 2003 Legal Environment of Business.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify and recall key laws related to business operations.
2. Apply relevant business practices and laws to common business transactions, contractual obligations, and real-world scenarios.
3. Interpret legal principles to analyze and solve basic business law problems using provided data.
4. Explain key theories and concepts of business law.

Introduction to Entrepreneurship (BUSI 10033)
An introduction to the role of entrepreneurial businesses in the US, the impact of entrepreneurial businesses on the US and global economy, how ideas become businesses, how intrapreneurs operate within a company and the general precepts on entrepreneurial businesses.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is only offered to students enrolled in the Entrepreneurship degree program and is scheduled when required for a student's progression in the program.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain effective leadership and distinguish between leadership and management, identifying key leadership behaviors and characteristics of successful leaders.
2. Evaluate different leadership styles and assess their impact on motivation, team development, and organizational effectiveness.
3. Analyze how effective leaders develop, coach, and motivate individuals, while utilizing strategies to recognize and interact with different personality types in the workplace.
4. Develop the ability to set organizational goals and objectives, aligning them with the organization's mission, and identifying strategies for achieving them.
5. Apply effective leadership strategies to identify problems, make decisions, and transition from employee to supervisor, addressing challenges in leadership decision-making and problem-solving.

Entrepreneurship Strategies and Tools (BUSI 20053)
This course focuses on the intersection of entrepreneurial strategy and emerging technology. Students will explore how to identify opportunities through market analysis and learn to augment decision-making using modern tools, including artificial intelligence. By applying proven frameworks to real-world hurdles—from securing capital to optimizing operations—students will develop strategic skills that can lead to a competitive advantage.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze entrepreneurial opportunities by assessing market trends, customer needs, and competitive landscapes to determine the feasibility of new venture ideas.
2. Evaluate how emerging tools such as artificial intelligence can enhance market research, customer discovery, and competitive analysis, and determine their effectiveness in supporting evidence-based entrepreneurial decision-making.
3. Apply entrepreneurial frameworks to develop evidence-based solutions to common startup challenges, including financing, operations, and marketing.
4. Investigate planning approaches that integrate opportunity assessment, business modeling, marketing strategy, financial projections, and risk analysis.

Introduction to Business (BUSI 10103)
This course provides foundational knowledge across key business disciplines, including management, marketing, finance, accounting, and economics. Students will develop skills in analyzing financial data, calculating profit, and understanding business law and ethics while learning to recognize market opportunities and make informed investment decisions. This course emphasizes practical application, demonstrating how various business functions operate in both daily life and professional settings.
ACTS Equivalency Course ID: BUSI 1013 Introduction to Business.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply foundational knowledge in management, marketing, finance, accounting, and economics.
2. Apply foundational knowledge on how to calculate profit, analyze financial data, and utilize accounting statements.
3. Recognize market opportunities, manage resources, and make informed investments decisions.
4. Analyze business law and ethical considerations.
5. Demonstrate how various business functions operate in daily life and professional settings.

Computer Software Applications (BUSI 10563)
Provides instruction in the use of word processing, electronic spreadsheet, database, and presentation software for microcomputers. Students will become more familiar with microcomputer operations, operating systems and ways of solving everyday problems with word processing, electronic spreadsheet, database, and presentation software programs.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fallb	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate basic functions of productivity tools and use them to create, format, and manage documents, presentations, and data effectively.
2. Create engaging and structured presentations, incorporating tables, charts, and animations to present data effectively.
3. Develop an understanding of formatting and enhancing documents for professional use, including creating tables, graphics, and other elements to improve document presentation.
4. Develop data-driven spreadsheets, applying functions, tables, and charts to analyze and present data clearly.
5. Apply cross-software integration to workplace tasks.

Digital Literacy (BUSI 10663)
This course provides an introduction to the essential skills and knowledge necessary to navigate the digital world with confidence and proficiency. This course will cover a range of topics, including digital literacy, file and media management, communication and collaboration, information literacy and effective online research, cybersecurity and privacy, digital citizenship, and generative AI.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Develop and apply digital literacy skills, including basics of generative AI, to real-world problems.
2. Demonstrate experience with the proper procedures to create documents suitable for coursework, professional purposes, and personal use.
3. Evaluate sources for credibility and reliability in online research.
4. Demonstrate proficiency in the fundamentals of Microsoft Word 2019.
5. Demonstrate effective communication and collaboration in the digital world.
6. Apply principles of online security and privacy to protect personal information.

Professional Selling/Advertising (BUSI 20033)
A course specifically designed to teach the tools of professional selling and advertising methods to students. Students will learn successful sales techniques for retail and non-retail customers. Students will also learn to develop an advertising program for products and services and the appropriate medium to use.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: Introduction to Entrepreneurship (BUSI 10033) AND English Composition I (ENGL 10103) AND Principles of Marketing (MKTG 25183)	This course is only offered to students enrolled in the Entrepreneurship degree program and is scheduled when required for a student's progression in the program.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze different styles of managing conflict and assess their effectiveness in resolving workplace disputes.
2. Demonstrate ethical decision-making by choosing appropriate actions in situations requiring the application of business ethics.
3. Evaluate delegation and work assignment techniques to ensure fair and effective task distribution while minimizing potential conflicts.
4. Integrate decision-making strategies into conflict resolution processes.
5. Design conflict resolution frameworks that align with human resources responsibilities.

Business Communications (BUSI 20103)
This course develops essential business communication skills, focusing on written and oral communication, professional writing for resumes and cover letters, research and citation methods, and effective strategies for the employment search process.
ACTS Equivalency Course ID: BUSI 2013 Business Communications

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: English Composition I (ENGL 10103)	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate knowledge of business communication principles, including written and oral communication.
2. Develop an understanding of effective writing skills and apply those skills to create resumes and cover letters.
3. Engage in professional oral communication in both individual and group discussions and presentations.
4. Apply proper research and citation methods in business communications.
5. Demonstrate an understanding of the employment search process and generate effective employment documents.

Business Statistics (BUSI 21003)
Descriptive and inferential statistical techniques and methods in business are taught. Topics include qualitative data analysis, frequency distributions, numerical methods, data dispersions, variance analysis, estimation theory, sampling distributions, discrete and continuous probability distributions, hypothesis testing and confidence interval estimation.
ACTS Equivalency Course ID: BUSI 2103 Business Statistics.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: College Algebra (MATH 11003) OR Quantitative Literacy (MATH 11103).	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Compute and interpret data using measures of central tendency and dispersion.
2. Organize raw data into frequency tables, frequency distributions, and analyze with graphic presentations.
3. Compute basic probability.
4. Construct confidence intervals.
5. Conduct a single sample hypothesis test.

Core concepts include:

- Sampling distribution
- Discrete and continuous probability

Business Ethics (BUSI 21143)
This course explores ethical decision-making in the workplace, equipping students with the knowledge of major ethical theories, corporate social responsibility, and professional codes of ethics while developing critical thinking and communication skills to assess and address real-world ethical dilemmas.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Recognize and evaluate common ethical dilemmas in the workplace, considering factors such as legal requirements, stakeholder impact, and personal values.
2. Demonstrate understanding of major ethical theories, including utilitarianism, virtue ethics, and stakeholder theory, to guide ethical decision-making.
3. Assess corporate ethical conduct, including adherence to professional codes of ethics and corporate social responsibility in environmental, social, and economic contexts.
4. Effectively communicate ethical concerns to stakeholders and understand the role of leadership in fostering an ethical workplace culture.
5. Apply ethical principles through case study analysis and develop critical thinking skills to evaluate and address ethical challenges from multiple perspectives.

Feasibility and Funding (BUSI 21303)
This course will provide the essential skills for students to evaluate and explore strategies for entrepreneurial opportunities in the marketplace and to successfully evaluate the funding and feasibility of those opportunities.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Principles of Accounting I (ACCT 10003) AND Introduction to Entrepreneurship (BUSI 10033) AND English Composition I (ENGL 10103)	This course is only offered to students enrolled in the Entrepreneurship degree program and is scheduled when required for a student's progression in the program.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify, describe, and/or apply basic items included in a feasibility analysis.
2. Develop, plan, and implement a feasibility analysis for a small business.
3. Understand the definitions of bootstrapping, bank loans, SBA guarantees, equity investments, and venture capital and their inherent philosophies.
4. Explain the various reasons that entrepreneurs use each of these financing methods to start or continue their business ventures.
5. Understand the forces that determine the time to breakeven.
6. Understand the general administrative expenses of a business and how to provide cost savings for their business.
7. Understand the variable and fixed costs of a business and how to manage those costs.
8. Examine the commonalities between the different sources of start-up funding.
9. Understand the problems and limitations of a business owner's use of credit cards.
10. Examine techniques to help optimize the management of cash flow in an entrepreneurial venture.

Principles of Finance (BUSI 22543)
This course introduces the fundamental concepts of finance, focusing on key financial statements, financial management processes, and ethical decision-making. Students will develop analytical skills to assess financial performance and apply financial techniques to strategic resources management. Emphasis is placed on understanding the role of finance in effective business decision-making and the ethical considerations that shape financial practices.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify the core concepts of finance.
2. Analyze key financial statements.
3. Identify the processes and structures of financial management.
4. Recognize the ethical considerations in financial decision-making.
5. Demonstrate an understanding of financial techniques related to strategic resource management and decision-making.

Internship (BUSI 26543)
This course prepares students for a successful transition from school to work by developing professional written materials, job search strategies, and essential workplace behaviors. Students will enhance their research, analytical, and communication skills while adhering to professional standards of conduct and performance. The course also emphasizes self-reflection on career readiness, fostering growth through internship experiences and goal setting for future career development. Students will spend 80 hours on-the-job training during the semester. Students take this course in the final semester of the degree program.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Develop professional written materials and demonstrate professional behaviors needed for an effective job search and transition from school to work.
2. Demonstrate workplace professionalism by adhering to employer and instructor expectations regarding attendance, punctuality, appropriate attire, and job performance.
3. Demonstrate research and analytical skills by effectively gathering, evaluating, and applying relevant information in a professional setting.
4. Demonstrate the ability to speak and conduct oneself professionally in correlation with the UACCB student code of conduct.
5. Reflect and evaluate professional growth and career readiness by assessing internship experiences, identifying strengths and areas for improvement, and setting future career goals.

Small Business Management (BUSI 27543)
Capstone course designed for students to apply what they have learned in other courses about the issues involved in organizing and operating a small business. Topics include personal qualifications, small business techniques, capital requirements, and forms of organizations, location, and sources of assistance.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Principles of Accounting I (ACCT 10003)	This course is only offered to students enrolled in the Entrepreneurship degree program and is scheduled when required for a student's progression in the program.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Students will demonstrate general and specific knowledge of small business management principles, issues, and concerns.
2. Students will demonstrate awareness of small business issues in the current media and literature.
3. Students will demonstrate the ability to analyze small business events and issues.
4. Students will demonstrate knowledge of and the ability to compose and present a business plan.

System Security (CESC 21003)
This course covers the holistic concept of a cyber system of people, processes, technology and data organized as a unit, understanding how to develop security requirements and selection of controls to meet requirements. This course also addresses the security issues of connecting components and using them within larger systems.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Introduction to Cybersecurity (CESC 22363) AND Fundamentals of Programming (CPSI 21563)	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe what a cyber system is and how its parts work together.
2. Analyze the security needs of a cyber system, including identifying ways to protect it from threats.
3. Outline/Explain the steps in the security engineering lifecycle.

Introduction to Cybersecurity (CESC 22363)
This course introduces general cybersecurity principles for major or non-majors. This includes understanding cybersecurity offense and defense, the role of cybersecurity professionals, and legal and ethical principles.
ACTS Equivalency Course ID: CSEC 1303 Introduction to Cybersecurity.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:
1. Describe the principles of confidentiality, integrity, and availability.
2. Identify risks, threats, attacks, and vulnerabilities related to cybersecurity.
3. Explain how cybersecurity professionals use technologies, processes, and procedures.
4. Recognize the application of legal and ethical principles related to cybersecurity.

Network Security (CESC 22433)
In this course students will learn to analyze security threats to modern networks and the methods used to secure networks against these threats.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: System Security (CESC 21003)	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe key theories, principles, and terms used in network security.
2. Identify common network security threats including how to detect, report, and respond to them.
3. Explain how firewalls work and how they are set up in a network environment.
4. Configure and test basic VPN connections for secure communication.

Concepts of Chemistry Lab (CHEM 12131)
Laboratory to support and reinforce the topics covered in CHM 12143 Concepts of Chemistry. Students will learn how to safely use laboratory equipment and carry out experiments.
ACTS Equivalency Course ID: CHEM 1214 Chemistry I for Health Related Professions. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Concepts of Chemistry (CHEM 12143)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 0 Lab: 3	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply the scientific method of problem solving to problems in the lab.
2. Use common chemistry lab glassware safely.
3. Perform reactions and write the correctly balanced chemical equations.
4. Examine the properties of acids, bases, and salts and tell the difference between each.
5. Use molecular models to correctly construct simple compounds and write correct chemical formulas.
6. Understand the organization of the Periodic Table and its use in chemistry.

Concepts of Chemistry (CHEM 12143)
One semester course providing a foundation in chemical terminology and principles. The course introduces concepts including but not limited to dimensional analysis, intermolecular interactions, gases, mixtures, kinetics, equilibrium and acid base chemistry. This course is designed for Nursing and other Allied Health majors. The course may also satisfy the general education Physical Science requirements. The course may also satisfy the requirements of other majors and may be used as a Prerequisite to College Chemistry I/Lab. The course does not satisfy the chemistry requirement for chemistry or biology majors.
ACTS Equivalency Course ID: CHEM 1214 Chemistry I for Health Related Professions. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: Essentials of Math (MATH 02043) with a grade of C or higher OR College Algebra (MATH 11003) with a grade of C or higher OR ACT Math score of 17 or higher OR Equivalent placement test score. Corequisite: Concepts of Chemistry Lab (CHEM 12131)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to explain, describe, discuss, recognize, and/or apply knowledge and understanding of the following topics:

1. The Scientific Method
2. Measurement and dimensional analysis
3. The different states of matter
4. Electronic structure of the atom
5. Organization of the Periodic Table
6. Inorganic nomenclature in society
7. The bonding of atoms
8. Chemical reactions
9. Gas Laws
10. Acids, bases, and buffers
11. Solutions
12. The significance of chemistry

College Chemistry I Lab (CHEM 14101)
In addition to being a course to support the Corequisite lecture class, this laboratory course will provide students with the opportunity to learn and practice working safely in a laboratory. Students will also become comfortable working with common chemical glassware and conduct experiments that illustrate the concepts covered in the lecture class.
ACTS Equivalency Course ID: CHEM 1414 Chemistry I for Science Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: College Chemistry I (CHEM 14103)	Fall	Lecture: 0 Lab: 3	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate and practice laboratory safety.
2. Apply the scientific method, significant figure rules, and dimensional analysis to collect data from experiments and draw evidence-based conclusions.
3. Conduct experiments following prescribed instructions to collect data, and then draw conclusions concerning:
    a. atomic structure;
    b. the behavior of gases;
    c. energy changes during chemical reactions;
    d. chemical behavior and compound formation;
    e. chemical nomenclature;
    f. stoichiometric relationships in chemical reactions; and
    g. types of chemical reactions.
4. Apply significant figure rules to perform and report accurate scientific calculations in laboratory experiments and problem-solving exercises.
5. Use correct chemical terminology and chemical principles when writing lab reports based upon experiments conducted in the laboratory.

College Chemistry I (CHEM 14103)
Algebra-based chemistry course applicable for chemistry and other science majors, and pre-professional students. This is the first course of a two-course sequence. Course content provides a foundation for work in advanced chemistry and related sciences. The course includes in-depth study of nomenclature, atomic and molecular structure, stoichiometry, bonding, chemical reactions, gases and nuclear chemistry.
ACTS Equivalency Course ID: CHEM 1414 Chemistry I for Science Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Essentials of Math (MATH 02043) with a grade of C or higher OR ACT Math score of 16 or higher or equivalent placement test score. Recommended completion of College Algebra (MATH 11003). Corequisite: College Chemistry I Lab (CHEM 14101)	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Use the scientific method, significant figure rules, and dimensional analysis to collect data, perform accurate calculations, and draw evidence-based conclusions.
2. Describe the components and structure of the atom, determine electron configurations, and use periodic trends to predict chemical behavior and compound formation.
3. Identify and distinguish between ionic, covalent, and metallic bonds; apply bonding theories; and correctly name elements and inorganic compounds.
4. Write balanced chemical and nuclear equations, apply solubility rules, and explain reactions using appropriate chemical principles and terminology.
5. Apply gas laws and kinetic molecular theory to describe gas behavior; explain energy changes in physical and chemical processes; and perform calculations involving heat, temperature, and nuclear mass defects.

College Chemistry II Lab (CHEM 14201)
A laboratory experience to support CHEM 14203 College Chemistry II.
ACTS Equivalency Course ID: CHEM 1424 Chemistry II for Science Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: College Chemistry II (CHEM 14203)	Spring	Lecture: 0 Lab: 3	1

Course Learning Outcomes By the end of this course, students will be able to explain, describe, discuss, recognize, and/or apply knowledge and understanding of the following topics:

1. Safely conduct laboratory experiments by applying proper chemical handling techniques, using equipment correctly, and adhering to safety protocols.
2. Identify unknown compounds and analyze the effects of intermolecular forces on solution properties using standard laboratory techniques and data analysis and reporting.
3. Assemble and test galvanic cells, measure cell potentials, and interpret data to understand electrochemical principles.
4. Perform acid/base titrations, investigate reaction kinetics and mechanisms, and assess equilibrium shifts using experimental data and Le Chatelier's Principles.

Topics will Include:

- Intermolecular forces
- Properties of solutions
- Thermodynamics
- Chemical Kinetics
- Mechanisms of chemical reactions
- Acid/base theory
- Equilibrium of Chemical reactions, including solubility
- Equilibrium of acid/base mixtures, including titration
- Oxidation-reduction
- Electrochemistry

College Chemistry II (CHEM 14203)
The second course of a two-semester sequence for chemistry majors and pre-professional students. Concepts covered include liquids, solutions, solids, acids, bases, salts, redox reactions, thermodynamics, kinetics, and equilibrium reactions.
ACTS Equivalency Course ID: CHEM 1424 Chemistry II for Science Majors. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: College Chemistry I with Lab (CHEM 14103/CHEM 14101) AND College Algebra (MATH 11003) Corequisite: College Chemistry II Lab (CHEM 14201)	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the role of intermolecular forces in determining solubility, vapor pressure, and phase changes, and predict solution behavior using acid-base and solubility principles.
2. Calculate entropy, enthalpy, and Gibbs free energy changes to determine the spontaneity of chemical reactions and predict equilibrium shifts.
3. Apply equilibrium constant, stoichiometric principles, and Le Chatelier's Principle to predict reaction direction and calculate equilibrium concentrations for acid-base and precipitation reactions.
4. Construct and analyze galvanic cells by measuring voltage, calculating cel potentials, and applying electrochemical equations to predict redox reaction spontaneity.
5. Interpret experimental data to determine rate laws, reaction order, and activation energy, and predict reaction rate changes based on temperature, concentration, and catalysts.

Topics will Include:

- Intermolecular forces
- Properties of solutions
- Thermodynamics
- Chemical Kinetics
- Mechanisms of chemical reactions
- Acid/base theory
- Equilibrium of Chemical reactions, including solubility
- Equilibrium of acid/base mixtures, including titration
- Oxidation-reduction

- Electrochemistry

Cosmetology I (COSM 10118)
This course is the first in a series of three courses required to prepare persons to take the Arkansas State Board of Health's Cosmetology Section's cosmetology state licensure examination. Major topics include hygiene and sanitation; related sciences; and hairdressing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 4 Lab: 14	18

Course Learning Outcomes

1. Hygiene and Sanitation – 80 hours long dash instructions in sanitation, sterilization, hygiene, lighting and ventilation. General sanitation duties performed by students shall not exceed more than 15 minutes per day. Students are required to maintain their stations as warranted and are responsible for their actions and mishaps.
2. Related Science – 120 hours – Physiotherapy or Cosmetricity (pertaining to electricity used in cosmetology), Physiology and Histology, Anatomy, Neurology, Myology, and Osterology.
3. Hairdressing – 100 hours – a course in cleaning hair, shampooing, hair cutting, clipping, signeing, dying, tinting, bleaching, scalp massage, brushing and combining, curling, permanent waving, and reconditioning hair, wiggery, thermal pressing, iron curling, chemical relaxing, etc.
4. Manicuring – 100 hours – a course in the construction, filling and shaping of the fingernails, loosening and removing the dead cuticle, and the art of hand and arm massage.
5. Aesthetics – 100 hours – a course in the skin, various kinds of facial massage, cosmetics, packs, the art of makeup, eyebrow arching, eyebrow and eyelash dying.
6. Salesmanship and Shop Management – 50 hours – instruction in how to keep records, knowledge of business law, cosmetology law, rules and regulations, booking appointments, retailing, etc.
7. Shop Deportment – 50 hours – courtesy, neatness and professional attitude and meeting the public.

Cosmetology II (COSM 10218)
This course is the second in a series of three courses required to prepare persons to take the Arkansas State Board of Health's Cosmetology Section's cosmetology state licensure examination. Major topics include manicuring, aesthetics and hairdressing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 4 Lab: 14	18

Course Learning Outcomes

1. Hygiene and Sanitation – 80 hours – instructions in sanitation, sterilization, hygiene, lighting and ventilation. General sanitation duties performed by students shall not exceed more than 15 minutes per day. Students are required to maintain their stations as warranted and are responsible for their actions or mishaps.
2. Related science – 120 hours – Physiotherapy or Cosmetricity (pertaining to electricity used in cosmetology), Physiology and Histology, Anatomy, Neurology, Myology, and Osteology.
3. Hairdressing - 1000 hours - a course in cleaning hair, shampooing, hair cutting, clipping, signeing, dying, tinting, bleaching, scalp massage, brushing and combing, curling, permanent waving, and reconditioning hair, wiggery, thermal pressing, iron curling, chemical relaxing, etc.
4. Manicuring - 100 hours - a course in the construction, filing and shaping of the fingernails, loosening and removing the dead cuticle, and the art of hand and arm massage.
5. Aesthetics - 100 hours - a course in the skin, various kinds of facial massage, cosmetics, packs, the art of makeup, eyebrow arching, eyebrow and eyelash dying.
6. Salesmanship and Shop Management - 50 hours - instruction in how to keep records, knowledge of business law, cosmetology law, rules and regulations, booking appointments, retailing, etc.
7. Shop Deportment - 50 hours - courtesy, neatness and professional attitude and meeting the public.

Cosmetology III (COSM 13006)
This course is the final course in a series of three courses required to prepare persons to take the Arkansas State Board of Health's Cosmetology Section's cosmetology state licensure examination. Major topics include salesmanship and shop management; shop deportment; and hairdressing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Summer	Lecture: 1 Lab: 5	6

Course Learning Outcomes

1. Hygiene and Sanitation - 80 hours long dash instructions in sanitation, sterilization, hygiene, lighting and ventilation. General sanitation duties performed by students shall not exceed more than 15 minutes per day. Students are required to maintain their stations as warranted and are responsible for their actions or mishaps.
2. Related Science - 120 hours - Physiotherapy or Cosmetricity (pertaining to electricity used in cosmetology), Physiology and Histology, Anatomy, Neurology, Myology, and Osteology.
3. Hairdressing - 1000 hours - a course in cleaning hair, shampooing, hair cutting, clipping, signeing, dying, tinting, bleaching, scalp massage, brushing and combing, curling, permanent waving, and reconditioning hair, wiggery, thermal pressing, iron curling, chemical relaxing, etc.
4. Manicuring - 100 hours - a course in the construction, filing and shaping of the fingernails, loosening and removing the dead cuticle, and the art of hand and arm massage.
5. Aesthetics - 100 hours - a course in the skin, various kinds of facial massage, cosmetics, packs, the art of makeup, eyebrow arching, eyebrow and eyelash dying.
6. Salesmanship and Shop Management - 50 hours - instruction in how to keep records, knowledge of business law, cosmetology law, rules and regulations, booking appointments, retailing, etc.
7. Shop Deportment - 50 hours - courtesy, neatness and professional attitude and meeting the public.

Cosmetology Instructor I (COSM 21009)
This course is the first in two courses required as a prerequisite to qualify for cosmetology instructor licensure examination by the Arkansas Department of Health Cosmetology Section.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Must be a licensed cosmetologist.	This course is only offered to students enrolled in the Cosmetology Instructor degree program and is scheduled when required for a student's progression in the program.	Lecture: 2 Lab: 7	9

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate technical skills in hair, skin, and nail care, and effectively teach these techniques to aspiring cosmetologist.
2. Apply principles of learning theory and effective teaching methodologies to create lesson plans and classroom experiences for cosmetology students.

Cosmetology Instructor II (COSM 22009)
This course is the second of two courses which includes the second 300 practical hours of 600 total needed to complete this certificate program. This course is required as a prerequisite to qualify for the cosmetology instructor licensure examination by the Arkansas Department of Health Cosmetology Section.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Cosmetology Instructor I (COSM 21009)	This course is only offered to students enrolled in the Cosmetology Instructor degree program and is scheduled when required for a student's progression in the program.	Lecture: 2 Lab: 7	9

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate technical skills in hair, skin, and nail care, and effectively teach these techniques to aspiring cosmetologist.
2. Apply principles of learning theory and effective teaching methodologies to create lesson plans and classroom experiences for cosmetology students.

Introduction to Computers (CPSI 10003)
Provides a fundamental orientation regarding what computers are and what they can do. Topics include computer hardware, data input and output, data representation, auxiliary storage, data files, operating systems, and application of software.
ACTS Equivalency Course ID: CPSI 1003 Introduction to Computers.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the basic theories, principles, and core concepts that describe how computers work.
2. Use correct computer and technology terms when discussing hardware, applications, software, file management, and systems.
3. Demonstrate how to use tools like word processors, spreadsheets, databases, and presentation programs.
4. Describe the main functions of an operating system and perform basic tasks using system utilities and file management tools.
5. Describe what the internet is, how it connects with computers, and its impact on everyday life.

Introduction to Computer Science (CPSI 10103)
This course introduces students to computer science, emphasizing professional readiness and computational thinking through programming, data analysis, and visualization. Students will also explore core concepts of systems, networks, cybersecurity, and the societal impact of emerging technologies.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Understand professional roles, responsibilities, and expectations within the computer science domain.
2. Apply computational thinking to design and implement text-based programs that solve real-world problems using proper coding practices and clear documentation.
3. Develop text-based programs that analyze and visualize data and communicate findings clearly while recognizing potential biases in the data.
4. Analyze established and emerging technologies to evaluate their current and potential impacts on computer science, industry, and society.
5. Explain core concepts of computer systems, networks, and cybersecurity, and describe their role in protecting information in the digital world.

Survey of Computer Technology (CPSI 10363)
Introduces modern technology across multiple disciplines, technology professions, and career opportunities, as well as fundamental skills necessary for success in the computer technology field.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain how technology is used in different fields such as business, healthcare, science, and education.
2. Explore careers in computer technology including describing the roles and responsibilities of different professions.
3. Practice skills like time management, communication, and problem-solving to help you succeed in computer technology classes and jobs.

User Interface/Human Interaction (CPSI 12063)
This course studies human factors of interactive software, interactive styles, design principles and considerations, development methods and tools, interface quality and evaluation methods.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain key terms and ideas related to how people interact with computers (human-computer interaction).
2. Describe the basic principles used to design user-friendly interfaces.
3. Evaluate how human cognitive, perceptual, and behavioral factors influence interaction with computer systems.

Database Fundamentals (CPSI 20263)
This course introduces students to database design, management concepts, and theory. SQL and NoSQL databases will be covered.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the basic ideas and terms used in databases, such as tables, fields, and relationships.
2. Create database designs using tools like diagrams to show how data is organized.
3. Write queries to search for and retrieve information from a database, including improving them to get results faster and more accurately.

Emerging Trends in Technology (CPSI 21063)
This course explores the current and potential future impacts of new, emerging, and rapidly evolving technologies on organizations and their operations across a range of industries and sectors. The use and impact of Artificial Intelligence and Machine Learning will be covered in this course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify key emerging technologies.
2. Describe the potential impacts of new technologies.
3. Apply basic concepts of emerging technologies to analyze real-world scenarios.

Computer Technology Capstone (CPSI 21163)
Culminating project-based experience that applies the knowledge and skills developed in previous courses towards the design, implementation, testing, documentation, and presentation of a specific idea, task, or product. Each student's specific outcomes will depend on the skills that they bring to the course and the type of project that they participate in.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify foundational concepts, tools, and techniques learned in previous coursework that are relevant to the project.
2. Select and implement suitable tools, techniques, and workflows to complete project tasks effectively.
3. Design, develop, and present a final product that integrates prior knowledge and skills into a cohesive solution to a defined problem or task.

Fundamentals of Programming (CPSI 21563)
This course covers the fundamentals of modern programming by introducing students to basic programming techniques, data types, functions, arrays, problem analysis and programming methodologies.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: Technical Mathematics (MATH 10103), College Algebra (MATH 11003), or Quantitative Literacy (MATH 11103) OR ACT score of 17 or equivalent placement test score.	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the main ideas of object-oriented programming, like classes, objects, inheritance, and encapsulation.
2. Write code using object-oriented programming to build simple programs.
3. Design programs by planning how the code will be structured and how different parts will work together.

Computer Ethics (CPSI 22063)
This course introduces the fundamental ethical, legal and social issues and questions in computer science that call for ethical analysis.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain basic ethical issues that can happen in different types of business situations.
2. Discuss the challenges business owners face when making ethical and practical decisions.
3. Identify legal and ethical issues related to using technology in the workplace.

Fundamentals of Web Development (CPSI 22563)
This course will cover the creation of modern, standards-compliant websites using HTML, CSS, and JavaScript, as well as an introduction to the structure of the Internet and the software used for website development.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Create basic websites using web design and development tools, following industry best practices for layout, structure, and accessibility.
2. Explain how the Internet is organized, including how websites are structured and how to navigate and use web resources effectively.
3. Use documentation and technical references to support web development tasks and solve common problems during the design process.

Access Control (CPSI 23263)
This course covers logical and physical access control policies and mechanisms for cyber systems, as well as the role of authorization, identification, authentication, and monitoring in access control.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: System Security (CESC 21003)	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe key concepts in access control, including identity, authentication, and authorization.
2. Explain how physical and logical access controls help protect cyber systems.
3. Analyze access control processes and methods for monitoring and auditing system access.
4. Identify common access control attacks including proposing ways to reduce or prevent them.

Fundamentals of Networking (CPSI 25063)
In this course students will learn the fundamental knowledge needed to design, configure, and implement a Local Area Network.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the basic ideas behind how computer networks work, including how devices connect and share information.
2. Explain how data is kept safe during transmission and how authentication helps protect access.
3. Demonstrate how routing works to move data between different networks.
4. Explain what wide area networks (WANs) are and how they are used to connect networks across long distances.

JavaScript Fundamentals (CPSI 26063)
This course is an introduction to JavaScript language and provides students with how JavaScript is used as a popular technology for both client side and server-side applications, as well as a general scripting language for other applications.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Fundamentals of Web Development (CPSI 22563)	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Create basic websites using web design and development tools.
2. Write/run simple programs and scripts to solve problems or complete tasks.
3. Test/troubleshoot code and websites for errors and common problems to improve performance.

Survey of Programming Languages (CPSI 28063)
In this course, students will create the same project in multiple modern programming languages. Students will gain an understanding of the strengths and weaknesses of the languages and, ultimately, understand the benefits of being programming language agnostic when approaching programming projects.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Fundamentals of Programming (CPSI 21563)	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Write and test code to perform basic programming tasks using appropriate syntax and logic.
2. Create and manipulate data files to store, retrieve, and organize information efficiently.
3. Demonstrate how to extract, transform, and load data from different sources for use in applications or reports.

Introduction to Criminal Justice (CRJU 10203)
Introduces the student to the history, development, and philosophy of law enforcement, courts, and corrections in a democratic society. An overview of the United States Criminal Justice system is an integral part of this course.
ACTS Equivalency Course ID: CRJU 1023 Introduction to Criminal Justice.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the historical development of the criminal justice system in the United States, including key milestones and influences.
2. Identify the three main components of the criminal justice system: law enforcement, courts, and corrections, and explain the primary functions and responsibilities of each component.
3. Analyze the challenges within the criminal justice system.
4. Evaluate the effectiveness of the criminal justice system in addressing crime and maintaining justice in contemporary society.

Criminology (CRJU 12573)
A study of theories about why people commit crime, organized into three broad categories of criminological theory: 1) sociological, 2) biological, and 3) psychological. The course also examines actual crimes, including: 1) general definitions of various crimes, 2) profiles of typical offenders and victims, 3) the prevalence of various crimes, and 4) where, when, and how selected crimes are committed.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Evaluate and contrast major biological, sociological, and contemporary criminological theories, emphasizing their assumptions and real-world applicability.
2. Apply criminological theories to analyze various types of crimes and patterns of deviant behavior.
3. Identify the primary sources of crime data, including their methodologies and limitations.
4. Explain the relationship between micro-level (individual) and macro-level (societal) factors influencing crime and delinquency.

Criminal Law and Criminal Procedures (CRJU 13003)
This course explores the foundations of criminal law and criminal procedure, including the elements of crimes, legal defenses, and Constitutional protections.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Define key terms and concepts related to the U.S. legal system and the criminal justice process, including criminal statutes, offenses, and constitutional amendments.
2. Explain the elements of a crime, basic legal defenses, and how inchoate offenses (e.g., attempt, solicitation, aiding and abetting) function within the criminal justice system.
3. Apply knowledge of the 4th, 5th, and 6th Amendments to evaluate the constitutionality of police investigations, arrests, and interrogations in hypothetical case scenarios.
4. Analyze the procedural steps in a criminal case from arrest through sentencing and identify how substantive and procedural law interact at each stage.

Criminal Investigations (CRJU 14003)
A study of the fundamentals of criminal investigation, both theory and history; from crime scene to courtroom with an emphasis on techniques appropriate to specific crime scenes.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the theoretical foundations and historical development of criminal investigation, distinguishing between crime scene investigation and forensic science.
2. Apply investigative techniques to analyze crime scenes and to critique real-world case studies with attention to evidence handling and procedural integrity.
3. Describe basic techniques for investigating witnesses and suspects with respect to how false memories can affect witness evidence and confessions.
4. Outline proper procedures for collecting, classifying, and interpreting physical evidence – including class and individual characteristics – especially in the context of specialized crimes such as child abuse, sexual assault, and human trafficking.

Legal Writing (CRJU 25033)
This course provides a working knowledge of the fundamentals of effective legal writing, analysis, and research. Topics include legal briefs and memoranda, case and fact analysis, citation forms, legal writing styles, field note taking techniques, and effective report writing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply professional legal writing conventions to compose clear and structured documents, including legal briefs, memoranda, and reports.
2. Organize writing through the process of drafting, reviewing, and editing to enhance clarity, precision, and professionalism.
3. Differentiate between various types of legal and criminal justice reports (e.g., policing, corrections, domestic violence, court/legal, paralegal).
4. Analyze case scenarios and fact patterns and produce coherent and persuasive arguments and recommendations based on the appropriate legal standard.

Policing in America (CRJU 26003)
Policing in America focuses on the role of the police in relation to modern culture and society. Students will gain a better understanding of the history of policing; the various types of policing agencies, law enforcement officers, and crimes in the United States; modern law enforcement practices; police adaptation to societal changes; current issues in policing; and the future of policing in America.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the history and necessity of policing in the United States, including its foundational principles.
2. Compare historical law enforcement strategies to modern practices in the United States, emphasizing their evolution over time.
3. Differentiate the roles and responsibilities of local, state, and federal law enforcement agencies.
4. Analyze the evolution of policing, focusing on key developments and their impact on law enforcement today.
5. Evaluate how current societal changes and trends are likely to influence the future of policing.

Soils (CSES 20203)
This course introduces soil properties, fertility, and management with a focus on improving soil health for productive farming. Hands-on labs cover soil testing, amendment application, and erosion control. Emphasizes regenerative practices such as composting, reduced tillage, and cover crops to enhance soil function on working farms.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Analyze the impact of tillage and soil cover on erosion and runoff.
2. Describe the different soil types and classifications.
3. Collect soil samples and send them off for testing.
4. Distinguish different types of soil texture by the feel method and use of soil triangle.
5. Evaluate various techniques of soil conservation and management

Basic Carpentry and Masonry (CTTE 10103)

This course introduces the fundamentals of basic carpentry and masonry as they apply to industrial maintenance, construction support, and facility repair operations. Students will develop hands-on skills using common carpentry and masonry tools, including hand and power tools, levels, squares, measuring devices, masonry trowels, mixers, and cutting equipment. Emphasis is placed on job-site safety, blueprint and print reading, layout and measurement, material selection, and construction techniques commonly required for structural repair, equipment foundations, and general facility maintenance.

Students will learn to measure, cut, assemble, and install wood and masonry materials, as well as mix and place concrete, mortar, and grout to specified dimensions and tolerances. The course prepares maintenance personnel to build and repair forms, walls, bases, pads, and structural supports, as well as to perform precision layout work necessary for proper equipment installation and long-term durability. Instruction combines classroom discussion with extensive hands-on practice focused on real-world industrial and maintenance applications. Personal protective equipment (PPE) is required at all times. Safety procedures and proper tool usage are thoroughly explained, continually reinforced, and strictly enforced throughout the course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Technical Methods (TECH 10153)	Spring	Lecture: 0 Lab: 3	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate safe work practices by correctly selecting and using required personal protective equipment (PPE) and following established job-site safety procedures during all carpentry and masonry activities.
2. Interpret basic construction drawings and layouts to accurately measure, mark, and prepare materials for carpentry and masonry projects within specified tolerances.
3. Construct and repair basic carpentry and masonry structures by properly cutting, assembling, and installing wood components and by mixing, placing, and finishing concrete or mortar according to industry-accepted standards.
4. Use hand and power tools effectively to complete assigned carpentry and masonry tasks, producing work that meets instructor-defined quality, accuracy, and structural integrity criteria.

Carpentry I (CTTE 10206)
This course will prepare students to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Includes introductory instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is currently offered only to concurrently enrolled high school students.	Lecture: 6 Lab: 0	6

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify and use basic carpentry tools and materials.
2. Read and interpret blueprints and specifications.
3. Apply safety principles in carpentry work.
4. Understand and apply basic framing techniques.

Compact Track Excavator Operator (CTTE 14004)
The Compact Excavator Operator course is designed for entry-level operators. Training includes classroom and in-the-field activities covering safety, walkaround inspections, the operator's compartment, startup and shutdown procedures, basic operating practices based on industry requirements, and fundamental earthmoving techniques. Students will demonstrate the concepts and skills needed to operate equipment safely and proficiently.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 1	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate industry-approved safety practices by identifying potential hazards, adhering to OSHA and industry regulations, and implementing appropriate safety measures during compact excavator operation.
2. Conduct thorough pre-operation and post-operation equipment inspections, identifying defects or maintenance needs, and documenting findings according to industry standards.
3. Operate a compact excavator proficiently by executing startup, shutdown, and basic earthmoving procedures while maintaining control and precision.
4. Apply problem-solving and decision-making skills to adjust excavation techniques based on soil conditions, site constraints, and job requirements.
5. Communicate effectively with worksite personnel using standard hand signals, radio communication, and job-site terminology to ensure safe and efficient excavator operation.

Compact Track Loader Operator (CTTE 14104)
The Compact Track Loader Operator course is designed for entry level operators. Training includes classroom and in-the-field activities covering safety, walkaround inspections, operators' compartment, startup/shut down procedures, basic operating procedures based on industry requirements, and basic earthmoving fundamentals. Students will demonstrate concepts and skills to operate equipment safely and proficiently.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 1	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify and implement industry-approved safety procedures, including hazard recognition, regulatory compliance, and risk mitigation during compact track loader operation.
2. Perform a comprehensive pre-operation inspection of a compact track loader, identifying potential issues and verifying readiness for safe operation.
3. Demonstrate proficiency in startup, shutdown, and basic control operations of a compact track loader to complete material handling and earthmoving tasks safely.
4. Demonstrate effective communication and teamwork skills while coordinating with others in a simulated job site environment.

Track Dozer Operator (CTTE 14204)
This course is intended for entry-level operators with less than three years experience operating Track Dozers or related equipment. The objectives of the course are to ensure trainees are competent in general machine maintenance, safe operation, and performing basic excavating procedures. Participants can expect to learn information presented by their instructor online, in-class, and through field demonstrations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 1	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Inspect and explain the function of major components of a track dozer, including the undercarriage, hydraulic system, and blade assembly.
2. Perform routine maintenance tasks, such as checking fluid levels, lubricating moving parts, and inspecting tracks for wear, in accordance with manufacturer guidelines.
3. Demonstrate safe startup, shutdown, and basic operating procedures for a track dozer, including blade control and maneuvering on various terrain types.
4. Execute basic earthmoving operations, such as grading, slot dozing, and backfilling, while maintaining control and efficiency.
5. Identify and mitigate common safety hazards associated with track dozer operation, including working around slopes, underground utilities, and other heavy equipment.

Crane Operator (CTTE 14303)
This course is designed for entry-level and experienced industrial and construction technicians interested in becoming certified crane operators. The objectives of the course are to ensure trainees are competent in general machine maintenance, safe operation, and performing basic rigging procedures. Although a Commercial Driver's License (CDL) is not a prerequisite for this course, participants are required to possess at least a Class B CDL to drive the crane truck. Participants can expect to learn information presented by their instructor online, in-class and through field demonstrations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify and demonstrate the proper use of personal protective equipment (PPE) and safety protocols for climbing, lifting, rigging, and hoisting in crane operations.
2. Inspect and explain the mechanical, electrical, and hydraulic components of a boom truck to assess operational readiness.
3. Accurately record and interpret data in the equipment logbook to ensure compliance with industry standards and safety regulations.
4. Operate a boom truck safely while maneuvering a suspended load under instructor supervision, following standard operating procedures.
5. Interpret and apply load chart data to determine safe lifting parameters for various rigging scenarios.

Introduction to Data Science (DASC 10003)
This course provides an overview of Data Science. This course includes an introduction to the data science analytics process (data analysis life cycle); the importance of ethics and privacy with data and guidelines; training in and applying critical thinking skills to real-world open-ended problems; communicating conclusions and recommendations to diverse audiences in visual, verbal, and written form; applications to various domains; and knowledge and use of the tools of data science.
ACTS Equivalency Course ID: DASC 1003 Introduction to Data Science.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate understanding of the data science analytics process (Data Analysis Life Cycle included).
2. Demonstrate an understanding of the importance of ethics and privacy with data and guidelines and real-world examples.
3. Demonstrate applying critical thinking skills to open-ended problems.
4. Demonstrate communicating results, conclusions, and recommendations with diverse audiences.
5. Demonstrate basic knowledge of the application domains for data science: medical sciences & healthcare, bioinformatics, agriculture, cybersecurity, business, education.
6. Demonstrate knowledge of data origins, sources, types of data & metadata.
7. Demonstrate applying the principles of and evaluate the data quality: biased, faulty, dirty, redundant, etc.
8. Demonstrate understanding of modeling types (descriptive, predictive, and perspectives) and potential value for resampling for validation.
9. Demonstrate solving real-world open-ended problems using Data Science analyses, processes, and tools.
10. Knowledge of the Tools of Data Science: Excel, R, Python, SAS, Tableau, PowerBI, Jupyter notebooks, and additional appropriate tools to follow over time.

Foundations of Early Childhood Education (ECED 10083)
This course is designed to acquaint the student with the historical roles of families in their child's development. The student will become familiar with the theories supporting early childhood education and learn how to develop an effective program designed uniquely for children birth to eight. The students will also obtain knowledge of state and federal laws pertaining to the care and education of young children.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Examine the major roles and characteristics of early childhood teachers. (NAEYC 6a, 6c, 6e) (CEC 7.1)
2. Outline the philosophical foundations and historical forces that have shaped early childhood education. (NAEYC 1a, 1b, 6d, 6e) (CEC 1.1)
3. Describe the developmental principles and major milestones of children from birth to age eight to the areas of physical, cognitive, social and emotional, and linguistic development. (NAEYC 1a, 1b, 1c) (CEC 1.1, 1.2, 5.2)
4. Evaluate different types of early childhood programs and Arkansas approved curriculum. (NAEYC 1c, 1d, 5a, 5b) (CEC 5.1, 5.2)
5. Identify appropriate standards and guidelines for teaching young children (birth to age eight) within an inclusive classroom. (NAEYC 1a, 1b, 1c, 1d, 6b, 6d) (CEC 3.3, 4.1, 5.2)
6. Connect the practice of observing children to planning developmentally appropriate learning experiences. (NAEYC 1c, 3a, 3b, 3c) (CEC 4.1, 4.3, 5.1, 5.2)
7. Summarize key socio-cultural, political, and economic context forces that have had an impact on early childhood education. (NAEYC 1b, 2a, 2b, 2c, 4a, 5a, 5b, 6d) (CEC 1.1, 5.1, 5.2, 6.3)
8. Acknowledge professionalism and NAEYC Code of Ethical Conduct. (NAEYC 6a, 6b, 6e) (CEC 7.1, 7.2, 7.3, 7.4)

Child Growth and Development (ECED 11003)
This course examines the environmental and hereditary influences on the physical, cognitive, social-emotional, and linguistic development of both typically and atypically developing children from conception through middle childhood (conception through age 8). Candidates will be introduced to methods for observing and evaluating children's development and identifying potential developmental delays. Practical application of theory is provided through a variety of hands-on experiences and observations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Compare theories related to child development from conception to age 8. (NAEYC 1a, 1c, 1d) (CEC 1.1)
2. Differentiate between the physical, cognitive, social/emotional and language characteristics of infants, toddlers, preschool, and school age children. (NAEYC 1a, 1b, 1c, 1d, 4a) (CEC 1.2, 1.3)
3. Document observations of infants, toddlers, preschool, and school age children and connect to the Child Development Early Learning Standards (CDELS). (NAEYC 1a, 1b, 3a, 3b, 3c) (CEC 4.1, 4.2, 4.3, 4.4, 5.2)
4. Examine biological and environmental factors influencing child development from conception to age 8. (NAEYC 1a, 1b, 1c, 2a) (CEC 1.1, 1.2, 1.3)
5. Analyze how culture, family and society influence growth and development from conception to age 8. (NAYEC 1a, 1b, 1c, 2a, 2b, 2c, 4a) (CEC 1.1, 1.2, 2.1, 5.1)
6. Acknowledge professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Environment for Young Children (ECED 12043)
This course is designed to provide the student with a broad knowledge base on how to design a program for children developing both typically and atypically. The course provides the opportunity to plan environments that are physically and emotionally secure. Students plan and implement activities that are age and stage appropriate for children birth to five.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify key stages of growth and development in children from birth through pre-kindergarten, including children with unique individual developmental variations.
2. Explain how developmentally appropriate practices support the physical, cognitive, social, and emotional development of all children in a childcare setting.
3. Reflect on and connect prior coursework to real-world teaching practices while working in a licensed childcare setting.
4. Demonstrate professional behavior and ethical practices in alignment with professional standards during interactions with children, families, and colleagues.
5. Apply observation and assessment strategies to document and support the developmental progress of children from birth to preschool.
6. Implement strategies that promote partnerships with families and communities.

Field Experience (ECED 13003)
Students must be employed or volunteer in a licensed childcare facility to apply the acquired knowledge and skills learned in previous coursework. Observation of the student's work and evaluation of student skills are conducted by instructors following the Council for Professional Recognition's CDA national credentialing program. Students must demonstrate competency in all areas observed and complete a minimum number of clock hours, determined by the institution, of observation and work experience with children birth to preschool.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify key stages of growth and development in children from birth through pre-kindergarten, including children with unique individual developmental variations.
2. Explain how developmentally appropriate practices support the physical, cognitive, social, and emotional development of all children in a childcare setting.
3. Reflect on and connect prior coursework to real-world teaching practices while working in a licensed childcare setting.
4. Demonstrate professional behavior and ethical practices in alignment with professional standards during interactions with children, families, and colleagues.
5. Apply observation and assessment strategies to document and support the developmental progress of children from birth to preschool.
6. Implement strategies that promote partnerships with families and communities.

Child Guidance (ECED 20043)
This course relates principles of child development to appropriate methods of guiding children's behavior for children birth through preschool, including children with unique individual developmental variations. Techniques for managing groups of children in the various childcare settings are practiced.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. State typical behaviors for young children according to their ages and development. (NAEYC 1a, 1b, 1c) (CEC 1.1, 1.2. 1.3, 1.4, 2.1)
2. Categorize temperament traits and other rationales for various behaviors of birth through preschool, including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1d, 3c) (CEC 1.1, 1.2)
3. Plan appropriate child-centered classroom environments and curriculum to support children birth through preschool including children with unique individual developmental variations. (NAEYC 1c, 1d, 4a, 4b, 4c) (CEC 1.1, 2.1, 2.2, 2.3, 5.1, 5.2)
4. Provide examples of family involvement opportunities that build relationships between program and families. (NAEYC 1c, 2a, 2b, 2c, 3d) (CEC 2.1, 2.2, 2.3, 7.3)
5. Analyze purposes and types of objective observations used in the early childhood setting, birth through preschool, including children with unique individual developmental variations. (NAEYC 3a, 3b, 3c) (CEC 4.1, 4.2, 4.3, 4.4)
6. Evaluate different behaviors of children birth through preschool, including children with unique individual developmental variations. (NAEYC 3a, 3b, 3c) (CEC 4.1, 4.2, 6.3, 6.4)
7. Interact positively with children birth through preschool including those with unique individual developmental variations. (NAEYC 1b, 1d, 4a, 4b, 4c) (CEC 2.2, 2.3, 6.3, 7.3)
8. Apply guidance principles to support the social emotional growth and development for children birth through preschool, including children with unique individual developmental variations. (NAEYC 1d, 3a, 3b, 3c, 3d, 4a, 4b, 4c) (CEC 1.1, 1.2, 1.3, 2.1, 4.1, 5.2, 6.6)
9. Identify components of a nurturing social environment while recognizing the rationale for positive behavior guidance statements. (NAEYC 1a, 1c, 4a, 5b, 6e) (CEC 1.1, 2.3, 4.1, 6.6)
10. Discuss the basic theories of child guidance (NAEYC 4a, 4b, 5a, 5c) (CEC 2.2, 2.3, 6.1, 6.4)
11. Acknowledge professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Preschool Curriculum (ECED 21043)
This course is based on the foundation of research in child development and focuses on planning and implementing enriching environments with appropriate interactions and activities for young children (ages 3 through 5) including those with special needs to maximize physical, cognitive, communication, creative, language/literacy, and social/emotional growth and development. Competencies are based on Standards developed by the National Association for the Education of Young Children for quality early childhood settings. Also covered: 1--Information on the Quality Approval process and Accreditation for early childhood settings in Arkansas, now called Better Beginnings; 2--Arkansas Frameworks Handbook for Three and Four Year old.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe developmentally appropriate practices as they apply to preschoolers including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 4b, 5a) (CEC 1.1, 4.1, 4.2)
2. Plan a developmentally appropriate physical environment for preschoolers including accommodations for children with unique individual developmental variations (NAEYC 1a, 1b, 1c, 4a, 4b, 4c, 5b) (CEC 5.1, 5.2, 6.4,6.5)
3. Plan and implement developmentally appropriate curriculum with measurable objectives, based on the CDELS. (NAEYC 1a, 1b, 4b, 5a, 5b, 5c) (CEC 4.1, 5.2, 6.4)
4. Prepare a developmentally appropriate schedule including routines and transitions for preschoolers including children with unique individual developmental variations. (NAEYC 1a, 1b, 1d) (CEC 1.2, 1.3, 5.1)
5. Compile and create developmentally appropriate lesson plans and materials based on a project or thematic unit for preschoolers including accommodations with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 3a, 4a, 4b, 4c, 5a, 5b) (CEC 5.1, 5.2, 6.3, 6.5, 6.6)
6. Demonstrate developmentally appropriate experiences for preschoolers covering all domains of development including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 4a, 4b, 4c, 5a, 5b, 5c) (CEC 5.1, 5.2, 6.5, 6.6)
7. Create a variety of tools/strategies designed to create and maintain positive relationships with families. (NAEYC 2b, 2c, 3d, 4a, 4b) (CEC 1.1, 2.1, 2.2, 2.3, 6.3)
8. Compare and analyze different curriculum approaches and models for preschoolers including children with unique individual developmental variations. (NAEYC 4a, 4b, 4c, 5a, 5b, 5c) (CEC 4.1, 5.2)
9. Identify and utilize observation and assessment tools used in childcare settings. (NAEYC 3a, 3b, 3c, 3d) (CEC 4.1, 4.2, 4.3, 4.4)
10. Acknowledge professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Infant/Toddler Curriculum (ECED 22043)
This course is based on the foundation of research in child development and focuses on planning and implementing enriching environments with appropriate interactions and activities for young children (birth through age 2) including those with unique individual developmental variations, to maximize physical, cognitive, social and emotional, and linguistic development. Competencies are based on Standards developed by the National Association for the Education of Young Children for quality early childhood settings. Also covered:

- Information on the Quality Approval process and Accreditation for Early Childhood settings in Arkansas, now called Better Beginnings.
- Arkansas Standards: Infant Toddler Standards: Arkansas Child Development Early Learning Standards (CDELS).

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe developmentally appropriate practices as they apply to infants/toddlers including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 4b, 4c) (CEC 1.1, 4.1, 4.2)
2. Plan a developmentally appropriate physical environment for infants or toddlers including accommodations for children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1d, 4a, 4b, 4c, 5b, 5c) (CEC 5.1, 5.2, 6.4, 6.5)
3. Plan and implement developmentally appropriate curriculum with measurable objectives, based on the CDELS. (NAEYC 1a, 1b, 1c, 1d, 3a, 3b, 3c, 4b, 4c, 5a, 5b, 5c) (CEC 4.1, 5.2, 6.4)
4. Prepare a developmentally appropriate schedule including routines and transitions for infants or toddlers including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1.d) (CEC 1.2, 1.3, 5.1)
5. Compile and create developmentally appropriate individual infant or toddler lesson plans and materials; and group lesson plans and materials for infants or toddlers covering all domains of development including accommodations for children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1d, 4a, 4b, 4c, 5a, 5b, 5c) (CEC 5.1, 5.2, 6.3, 6.5, 6.6)
6. Demonstrate developmentally appropriate experiences for infants or toddlers covering all domains of development including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1d, 4a, 4b, 4c, 5a, 5b, 5c) (CEC 5.1, 5.2, 6.5, 6.6)
7. Create a variety of tools/strategies designed to create and maintain positive relationships with families. (NAEYC 2a, 2b, 2c, 3d, 4b, 4c, 6b) (CEC 1.1, 2.1, 2.2, 2.3, 6.3)

8. Compare and analyze different curriculum approaches and models for infants and toddlers including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1d, 4b, 5a, 5b, 5c) (CEC 4.1, 5.2)
9. Identify positive guidance strategies for use with infants or toddlers. (NAEYC 1a, 1b, 1c, 1d, 4a, 4b, 4c) (CEC 1.3, 1.4, 2.1, 2.2, 3.3)
10. Identify and utilize observation and assessment tools used in child care settings. (NAEYC 3a, 3b, 3c, 3d) (CEC 4.1, 4.2, 4.3, 4.4)
11. Acknowledge professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Practicum (ECED 23043)
Students must be employed or volunteer in a licensed childcare facility to apply the acquired knowledge and skills learned in previous coursework. Observation of the student's work and evaluation of student skills are conducted by instructors following the NAEYC Professional Preparation Standards and the Professional Standards and Competencies for Early Childhood Educators. Students must demonstrate competency in all areas observed and complete a minimum number of clock hours, determined by the institution, of observation and work experience with children birth to preschool. An emphasis will be on the observation of physical, cognitive, language, social, and emotional development in connection with previous courses.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply knowledge of how children, including children with unique individual developmental variations, grow and learn in a childcare setting. (NAEYC 1a, 1b, 1c, 1d, 4b, 4c) (CEC 1.1, 5.2, 6.3)
2. Demonstrate knowledge of developmentally appropriate practices for children birth through preschool, including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1d, 4b, 4c) (CEC 1.1, 3.1, 5.1)
3. Reflect using prior knowledge to link new ideas to familiar ones while working with children birth through preschool, including children with unique individual developmental variations. (NAEYC 4a, 4b, 4c, 5c, 6d) (CEC 1.1, 1.2, 5.1, 5.2, 7.2)
4. Demonstrate proficiency in working with different populations of students, families and community groups. (NAEYC 2a, 2b, 2c, 4a) (CEC 2.1, 2.2, 2.3, 6.3, 7.3)
5. Demonstrate knowledge of and utilize a variety of observational and authentic assessment options and their appropriate use with children birth through preschool, including children with unique individual developmental variations. (NAEYC 3a, 3b, 3c, 3d) (CEC 4.1, 4.2, 4.3, 4.4)
6. Integrate reflective and critical perspectives on early education practices. (NAEYC 6b, 6d, 6e) (CEC 7.2, 7.3)
7. Engage in informed advocacy for children and the profession. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3)
8. Use a variety of observation tools with children birth through preschool, including children with unique, individual learning variations. (NAEYC 1a, 1b, 1c, 1d, 3a, 3b, 3c) (CEC 1.2, 1.3, 4.1, 6.2)
9. Demonstrate professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Literature/Language Arts for Early Childhood (ECED 29243)
This course is designed to help early childhood educators understand how children acquire language and how to provide language-rich environments for children from birth through preschool, including those with unique developmental variations. Emphasis is placed on incorporating the four areas of language: speaking, listening, writing, and reading.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Use of literacy strategies through the development of a variety of activities for children birth through preschool, including children with unique individual developmental variations. (NAEYC 1d, 4a, 4b, 4c, 5a, 5b, 5c) (CEC 1.1, 1.2, 3.1, 5.1, 5.2)
2. Connect with families about literacy content for children birth through preschool, including children with unique individual developmental variations. (NAEYC 2a, 2b, 2c, 4c, 5a, 6c)
3. (CEC 2.1, 2.2, 2.3, 6.3, 6.4)
4. Apply knowledge of how young children learn and process information to utilize appropriate teaching strategies for children birth through preschool, including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 1d, 4b, 4c, 5a, 5b, 5c, 6c) (CEC 1.1, 1.2, 3.3, 5.1, 5.2)
5. Observe and document children's language and literacy through the use of a variety of assessment tools for children birth through preschool, including children with unique individual developmental variations. (NAEYC 3a, 3b, 3c, 3d, 5b) (CEC 4.1, 4.2, 4.3, 4.4, 6.3)
6. Connect research, knowledge, and practice to the development of a variety of literacy activities for young children, including activities to enhance speaking, listening, writing, and reading for young children. (NAEYC 1a, 2a, 2c, 4b, 4c, 5a, 5b, 5c) (CEC 2.1, 2.2, 5.1, 5.2, 6.2, 6.3, 6.5)
7. Demonstrate professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Math/Science for Early Childhood (ECED 29443)
Students will become familiar with a variety of ways to introduce children from birth through preschool, including those with unique developmental variations, to ideas and concepts related to math and science. They will create activities and plan and practice developmentally appropriate experiences that meet recognized standards, including those of the National Association for the Education of Young Children (NAEYC) and the Council for Exceptional Children (CEC).

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate use of inquiry method for children birth through preschool, including children with unique individual developmental variations. (NAEYC 4b, 4c, 5a, 5b, 5c) (CEC 3.1, 5.2)
2. Demonstrate the ability to connect with families about math and science concepts for children birth through preschool, including children with unique individual developmental variations. (NAEYC 2a, 2b, 2c, 4c, 5a, 6c) (CEC 2.1, 2.2, 2.3, 6.3, 6.4)
3. Apply knowledge of how young children learn and process information to utilize appropriate teaching strategies for children birth through preschool, including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 4b, 4c, 5a, 5b, 5c) (CEC 1.1, 1.2, 3.3, 5.1, 5.2)
4. Develop quality math and science learning environments for children birth through preschool, including children with unique individual developmental variations. (NAEYC 1a, 1b, 1c, 4a, 4b, 4c, 5a, 5b, 5c) (CEC 3.2, 5.2, 6.3)
5. Observe and document children's math and science reasoning through the use of a variety of assessment tools for children birth through preschool, including children with unique individual developmental variations. (NAEYC 3a, 3b, 3c, 5a, 5b) (CEC 4.1, 4.2, 4.3, 4.4, 6.3)
6. Connect research, knowledge, and practice to the development of a variety of math and science activities for children birth through preschool, including children with unique individual developmental variations. (NAEYC 4b, 4c, 5a. 5b. 5c, 6c) (CEC 2.1, 2.2, 5.1, 5.2, 6.2, 6.3, 6.5)
7. Differentiate the process skills needed for math and science experiences for children birth through preschool, including children with unique individual developmental variations. (NAEYC 5a, 5b) (CEC 3.1, 3.3. 5.2)
8. Develop quality math and science learning activities and environments for young children. (NAEYC 1a, 1b, 1c, 4a, 4b, 4c, 5a, 5b, 5c) (CEC 1.1, 1.2, 3.2, 5.2, 6.3)
9. Demonstrate professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Health, Safety, and Nutrition (ECED 29643)
This course provides an overview of health, safety, and nutrition standards for children from birth through eight years of age. Students will examine child care licensing requirements and explore strategies for planning developmentally appropriate activities. Emphasis is placed on creating safe, high-quality learning environments and implementing effective practices.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify state licensing requirements and health and safety regulations applicable to early childhood care environments.
2. Explain the relationship between nutrition, physical health, and early childhood development for children, birth through age eight.
3. Describe safe and developmentally appropriate learning environments that support children's physical and emotional well-being.
4. Demonstrate planning of daily routines and activities that promote safety, nutrition, and health for young children across different settings.
5. Determine developmentally appropriate practices that support collaboration with families in promoting children's health and safety.
6. Evaluate children's behaviors using observation tools to monitor and support safe, healthy, and developmentally appropriate practices in early childhood settings.

Supporting Early Learners (ECED 29743)
This course relates principles of child development to appropriate methods of guiding children's behavior for children birth through pre-kindergarten, including children with unique individual developmental variations. Techniques for managing groups of children in the various childcare settings are practiced.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify typical developmental behaviors of children from birth through pre-kindergarten, including those with unique individual developmental variations.
2. Describe temperament traits and other developmental factors that influence children's behavior.
3. Demonstrate appropriate guidance strategies for managing groups of children in various early childhood settings.
4. Analyze classroom environments to determine how physical space, materials, and routines impact child development and behavior.
5. Recommend child-centered adaptations that support the development of all children, including those with unique individual developmental variations.
6. Evaluate children's behaviors using objective observation methods and appropriate assessment tools.
7. Design opportunities for meaningful family engagement that strengthen relationships between early childhood programs and families.

Professionalism and Ethics in Early Childhood (ECED 29943)
This course introduces students to current research in the field of early childhood education. Students will build a knowledge base of the NAEYC Code of Conduct by analyzing case studies that demonstrate competencies aligned with current research and practice. They will also develop a professional pathway to demonstrate skills related to the NAEYC Professional Preparation Standards and the Professional Standards and Competencies for Early Childhood Educators.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate knowledge of the NAEYC Professional Preparation Standards and the Professional Standards and Competencies for Early Childhood Educators. (NAYEC 6a, 6b, 6c, 6d, 6e) (CEC 7.1, 7.2, 7.3, 7.4)
2. Apply the NAEYC Code of Ethical Conduct to professional characteristics. (NAEYC 6a, 6b, 6c, 6d, 6e) (CEC 7.1, 7.4)
3. Reflect on current developmentally appropriate strategies and experiences with children birth through preschool, including children with unique individual developmental variations. (NAEYC 4a, 4b, 4c, 5a, 5b, 5c) (CEC 7.1, 7.2, 7.3, 7.4)
4. Describe the various NAEYC ethical perspectives involved in early childhood. (NAEYC 1c, 2a, 3d, 4b, 4c) (CEC 7.3, 7.4)
5. Provide evidence of engagement in professional organizations related to the early childhood field. (NAEYC 6a, 6b, 6c, 6d, 6e) (CEC 7.1)
6. Engage in informed advocacy for children and the profession. (NAEYC 6a, 6b, 6c, 6d, 6e) (CEC 7.1)
7. Demonstrate professional work ethics. (NAEYC 6a, 6b, 6d) (CEC 7.1, 7.2, 7.3, 7.4)

Macroeconomics (ECON 21003)
Theory and application of economics to behavior of economy as a whole.
ACTS Equivalency Course ID: ECON 2103 Principles of Macroeconomics.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ACT Math score of 16 or higher OR Students scoring less than a 16 must have completed Technical Mathematics (MATH 02043) with a grade of C or higher.	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Evaluate how fiscal and monetary policies influence economic growth and stability, using national income accounting and macroeconomic indicators (e.g., GDP, inflation, unemployment) to interpret economic performance.
2. Analyze aggregate supply and demand models to evaluate short-run and long-run macroeconomic equilibrium under various economic conditions.
3. Examine the phases of the business cycle and identify how government policy tools are used to stabilize the economy during different stages.
4. Apply macroeconomic theories to examine the effects of international trade and finance on domestic output, price levels, and employment.

Microeconomics (ECON 22003)
Theory and application of economic principles related to production, distribution and exchange of goods and services.
ACTS Equivalency Course ID: ECON 2203 Principles of Microeconomics.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ACT Math score of 16 or higher OR Students scoring less than a 16 must have completed Technical Mathematics (MATH 02043) with a grade of C or higher.	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Illustrate the basic principles of supply and demand and their effects on market equilibrium using real-world examples.
2. Explain the concept of elasticity and evaluate how consumer and supplier responsiveness to price changes varies across different goods and market conditions
3. Evaluate production costs differentiating between short-run and long-run cost structures in various market environments.
4. Identify key characteristics of different market structures and illustrate how each influences pricing, output, and efficiency in both domestic and international markets through real-world examples.

Introduction to Education (EDHP 20093)
This class will present an overview of the fundamentals of American education. It is designed to provide a basic understanding of school organization, the role of the educator, curriculum foundation, and issues in American education, as well as the responsibilities of teaching as a profession. In addition, the course will provide students with the opportunity to observe the educational process at the elementary, middle, and high school levels. Students will also begin a professional portfolio.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze the historical and philosophical foundations of education and their influence on contemporary educational systems, policies, and practices in the United States and globally.
2. Evaluate current educational structures, including governance, finance, law, and policy, and their impact on educational equity, access, and effectiveness.
3. Develop strategies for creating inclusive learning environments that address student needs, incorporate educational technology, and respond to current research and trends.
4. Articulate a beginning teaching philosophy that demonstrates understanding of curriculum design, instructional approaches, and the challenges of teaching in a changing world.

Engaging All Learners (EDHP 20193)
This course is designed to introduce the historical, sociological, and philosophical foundations of all learners in education. The course will focus on how personal, social, political, cultural, and educational factors affect the success or failure of students in classrooms. The course will include study on how engaging all learners integrates personal and organizational perspectives, research, and theories in developing classroom teachers.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes
By the end of this course, students will be able to:

1. Critique intergroup relations through multiple theoretical lenses, with particular attention to how power dynamics shape differing patterns in both society and educational settings.
2. Integrate the contributions and perspectives of historically marginalized groups into curriculum and pedagogy across subject areas.
3. Examine how educational institutions can either perpetuate or disrupt social issues through their structures, policies, and practices.
4. Create approaches to engaging all learners that are philosophically grounded, discipline-specific, and oriented toward meaningful institutional change.

Liberal Arts in Elementary (EDHP 20293)
This course is designed to prepare teacher candidates to integrate the arts, health, and physical education into the core disciplines at the elementary school (K-6) level. The course focuses on pedagogical knowledge and skills necessary for meeting disciplinary content standards as well as Arkansas teacher standards and competencies.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate comprehensive knowledge of arts, health, and physical education content appropriate for elementary education, including fundamental concepts and skills in dance, music, theater, visual arts, health education, and physical education.
2. Apply understanding of learner development, learning differences, and learning environments to design inclusive and developmentally appropriate arts, health, and physical education experiences for elementary students.
3. Develop and implement effective instruction in the liberal arts that makes content accessible to elementary students through appropriate assessment strategies, instructional planning, and varied teaching approaches.
4. Integrate the liberal arts across the elementary curriculum to promote critical thinking, creativity, communication, and holistic development of elementary students.

Children's Literature in Elementary (EDHP 20493)
This course focuses on the evaluation and selection of developmentally appropriate texts from the various genres in children's literature. Students will learn to use effective instructional practices and resources for teaching children and adolescents to read and respond critically to literary texts.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Evaluate and curate developmentally appropriate children's literature collections that represent different voices, genres, and complexity levels for elementary classroom use.
2. Design vocabulary instruction that builds connections between spoken and written language to enhance reading comprehension.
3. Apply instructional methods to guide elementary students through various levels of textual analysis, including close reading techniques and evidence-based interpretation of literary elements.
4. Create integrated literacy lessons that incorporate multiple text formats, digital tools, and writing activities aligned with developmental stages and standards.

Introduction to K-12 Educational Technology (EDHP 21063)
This three-hour course is designed to provide students with an overview of the technologies that can enhance teaching and learning. Students will use the computer as a tool to design educational materials, perform classroom management tasks, enhance instruction, communicate, and research.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate proficiency in essential digital communication and productivity tools for educational settings, including email management, document creation, presentation design, website development, database usage, and digital media integration.
2. Evaluate digital resources and technologies for educational purposes, including assessing the credibility of online information, identifying appropriate educational software, and understanding copyright and fair use principles in educational contexts.
3. Develop technology-enhanced instructional materials that effectively support teaching and learning objectives in K-12 classrooms while addressing student needs.
4. Articulate the professional and ethical responsibilities of educators regarding technology integration, digital citizenship, and creating equitable access to digital learning opportunities.

Basic Emergency Medical Technology (EMSC 11007)
An introduction to the study of emergency medical services and the basic principles, procedures and techniques of emergency care. Successful completion of this course prepares students to apply for the National Registry EMT-B Examination.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Summer	Lecture: 5 Lab: 2	7

Course Learning Outcomes By the end of this course, students will be able to:

1. Show communication skills that will enhance patient care.
2. Practice skills to work independently as an EMT.
3. Apply critical thinking skills to apply prehospital situations to work alongside a Paramedic.
4. Prepare students to take the National Registry EMT Exam for licensure.
5. Investigate legal documentation that involves all patient care and permanent records.
6. Practice the act of professionalism at times.

Paramedic I (EMSC 20114)
A fifteen-week course designed to introduce the Paramedic Student to Advanced Prehospital Care. Paramedic I is designed to prepare the emergency medical student to perform advanced life support skills; specifically, the recognition of Dysrhythmias and Advance Cardiac Life Support Certification. The class will prepare the student for the skills needed to properly start and administer intravenous medications; endotracheal intubations will be taught in this section with the use of emergency meds administered via the endotracheal airway. Along with skills completion, the paramedic student will be introduced to communication and proper documentation of patient assessment. During this course, the student will begin the field portion of the Paramedic program. A minimum of 200 hours riding time will be required before advancing to Paramedic II. Students will document all field and clinical time through an electronic tracking program.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: Medical Terminology (ALHE 10503) AND Essentials of A&P with Lab (BIOL 10253/BIOL 10151) AND Basic Emergency Medical Technology (EMSC 11007)	Fall	Lecture: 8 Lab: 1.5 Clinical: 4.5	14

Course Learning Outcomes By the end of this course, students will be able to:
1. Show communication skills that will enhance patient care.
2. Practice skills to work independently as the lead paramedic.
3. Apply critical thinking skills to all prehospital situations.
4. Determine differential diagnosis when evaluating the medical/trauma patient.
5. Practice the act of professionalism at times.

Paramedic III (EMSC 22008)
An eight-week course designed to prepare the Paramedic student to understand special considerations in the field of EMS, provide the student an overview of EMS operations, and to prepare and review the student for the National Registry for Emergency Medical Technicians-Paramedic certification examination. Time will be allocated to complete Any unfinished clinical time/proficiencies (the last 100 hours-Capstone/Internship is required). Students will document all field and clinical time through an electronic tracking program.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Paramedic II (EMSC 22116) with a grade of C or higher	Summer	Lecture: 8 Lab: 1 Clinical: 7	8

Course Learning Outcomes By the end of this course, students will be able to:
1. Show communication skills that will enhance patient care.
2. Practice skills to work independently as the lead paramedic.
3. Apply critical thinking skills to all prehospital situations.
4. Determine differential diagnosis when evaluating the medical/trauma patient.
5. Practice the act of professionalism at times.

Paramedic II (EMSC 22116)
A fifteen-week course designed to prepare the Paramedic Student with the skills needed to treat the critically ill and injured patient. The semester will focus on the recognition of medical, trauma, pediatric, geriatric, and OB/GYN emergencies. The student will be prepared for the practical portion as well as the written portion of the National Registry for Emergency Medical Technicians-Paramedic certification examination. A minimum of 200 hours clinical/100 hours Capstone/Internship hours (total 300 hours) will be required before advancing to Paramedic III. Students will document all field and clinical time through an electronic tracking program.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Paramedic I (EMSC 20114) with a grade of C or higher	Spring	Lecture: 3 Lab: 1 Clinical: 4	16

Course Learning Outcomes By the end of this course, students will be able to:
1. Show communication skills that will enhance patient care.
2. Practice skills to work independently as the lead paramedic.
3. Apply critical thinking skills to all prehospital situations.
4. Determine differential diagnosis when evaluating the medical/trauma patient.
5. Practice the act of professionalism at times.

Writing Studio (ENGL 00191)
This course provides an option for students who score a 16-18 on the English and 16-18 on the Reading portion of the ACT or equivalent scores on an approved placement examination to enroll concurrently in this course and ENGL 10103, English Composition I. Class will provide students the concepts and mechanics needed for success in English Composition.
Students must complete both this course with a C or higher and ENGL 10103 with a passing grade to receive their credit and earned grade for both courses. Students who are required to take this course must also be enrolled in ENGL 10103 at the same time; it cannot be taken alone.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ENGL 00203 with a grade of C or higher OR ACT English and Reading score of 16-18 OR Equivalent placement test score. Corequisite: English Composition I (ENGL 10103)	Fall Spring Summer	Lecture: 1 Lab: 0	1

Course Learning Outcomes By the end of this course, students will be able to:
1. Apply Standard American English grammar rules, including subject-verb agreement, pronoun usage, and verb tense consistency.
2. Correct common sentence errors, such as fragments, run-ons, and comma splices, to improve sentence clarity.
3. Demonstrate proper punctuation and mechanics, including correct comma usage, apostrophes, and capitalization, to enhance readability.
4. Revise sentences for improved word choice and clarity by eliminating vague pronoun references, wordiness, and improper diction.

Integrated Reading and Writing (ENGL 00203)
This course includes strategies for advancing reading comprehension and facilitating critical analysis of text. Further, this course will include instruction on active reading strategies using text structure to improve comprehension, interpreting, and evaluating reading materials. This course will integrate critical analysis of text into writing instruction focused on the composition of essays, including pre-writing, drafting, organization, focus, unity, and revising and editing.
Students who test into Integrated Reading and Writing must enroll in the course during their first or second semester in college and each subsequent semester, if necessary, until the course is completed with a least a grade of C.
A student making a C in this course is eligible to take ENGL 20203 or ENGL 10103 with ENGL 00191. A student that successfully completes this course with a B or higher, may take ENGL 10103 without the corequisite support course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
ACT English AND Reading Score of 0-15	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply pre-reading, annotating, summarizing, and questioning strategies to analyze and engage with academic texts.
2. Apply standard English conventions, including sentence structure, subject-verb agreement, punctuation, and word choice to enhance clarity and correctness in writing.
3. Develop well-structured paragraphs that include clear topic sentences, supporting details, and logical transitions.
4. Integrate ideas from readings into writing by summarizing, paraphrasing, and citing sources appropriately.
5. Apply revision and proofreading strategies to strengthen content development, organization, and grammatical correctness in writing.

English Composition I (ENGL 10103)
Principles and techniques of expository and persuasive composition, analysis of texts with introduction to research methods, and critical thinking.
ACTS Equivalency Course ID: ENGL 1013 Composition I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ENGL 00203 with a grade of C or higher OR ACT English AND Reading score of 16-18 OR Required placement test score.	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Respond appropriately to various rhetorical situations, purposes, and audiences.
2. Use writing and reading for inquiry, learning, thinking, and communicating.
3. Integrate original ideas with those of others.
4. Develop flexible strategies for generating, revising, editing, and proofreading.
5. Use collaborative writing processes.
6. Demonstrate knowledge of structure, paragraphing, tone, syntax, grammar, and documentation.

English Composition II (ENGL 10203)
Further study of principles and techniques of expository and persuasive composition, analysis of texts, research methods, and critical thinking.
ACTS Equivalency Course ID: ENGL 1023.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: English Composition I (ENGL 10103)	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Respond appropriately to various rhetorical situations, purposes, and audiences.
2. Use writing and reading for inquiry, learning, thinking, and communicating.
3. Integrate original ideas with those of others, resulting in a research-based writing project.
4. Develop flexible strategies for generating, revising, editing, and proofreading.
5. Practice collaborative writing processes.
6. Demonstrate knowledge of structure, paragraphing, tone, mechanics, syntax, grammar, and documentation.

Creative Writing (ENGL 20103)
Students develop creative perception, thinking, and imagination in writing fiction and poetry. Students will have their work read and critiqued in a workshop format as well as in conference with the instructor.
ACTS Equivalency Course ID: ENGL 2013 Introduction to Creative Writing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: English Composition I (ENGL 10103)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:
1. Generate creating writing projects in both prose and verse.
2. Learn techniques, styles, and forms for imaginative writing.
3. Participate constructively in a workshop environment.
4. Explore structures and techniques used in published fiction and poetry.

Technical Writing for the Workplace (ENGL 20203)
This course covers the principles of researching, organizing, and writing technical documents.
ACTS Equivalency Course ID: ENGL 2023 Introduction to Technical Writing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ENGL 00203 with a grade of C or higher OR ACT English AND Reading score of 16 or higher OR Required placement test score.	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Generate technical documents in a variety of formats, including letters, memos, proposals, and reports.
2. Use collaborative writing processes.
3. Learn to integrate visuals.
4. Use technology in the creating of technical documents.

World Literature I (ENGL 21103)
Students analyze and interpret works from several historical periods ranging from early civilizations through the Renaissance. Completion of ENG 1103 English Composition I strongly recommended.
ACTS Equivalency Course ID: ENGL 2113 World Literature I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Understand significant literary and cultural developments in world civilizations by identifying key authors, their contributions, and the historical and cultural contexts that shaped their works.
2. Understand the interaction of various literary and cultural traditions.
3. Analyze major texts of world literature, emphasizing literary techniques, forms, and ideas.
4. Compose a significant analytical writing assignment.

World Literature II (ENGL 21203)
Students analyze and interpret literary works from several historical periods ranging from the Renaissance to the present. Completion of ENG 1103 English Composition I strongly recommended.
ACTS Equivalency Course ID: ENGL 2123 World Literature II.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Understand significant literary and cultural developments in world civilizations by identifying key authors, their contributions, and the historical and cultural contexts that shaped their works.
2. Understand the interaction of various literary and cultural traditions.
3. Analyze major texts of world literature, emphasizing literary techniques, forms, and ideas.
4. Compose a significant analytical writing assignment.

Introduction to Fiction (ENGL 23194)
Students survey short fiction and novels with emphasis on analytical reading and writing skills.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Comprehend a work of fiction on the literal level.
2. Draw, support, and develop inferences from a piece of fiction.
3. Demonstrate an understanding of the historical development of the short story as a genre distinct from the novel.
4. Orally and in writing, analyze a piece of fiction by identifying and discussing the following literary devices: plot, character, setting, point of view, theme, symbol, allegory, style, and tone.
5. Orally and in writing, demonstrate an understanding of how literary devices offer further dimensions to the literal level of the text.
6. Orally and in writing, present and defend a unified, coherent, and well-supported interpretation of a piece of fiction by engaging in literary criticism.
7. Use evidence from both primary and secondary sources to support an interpretation of a piece of fiction.
8. Write about a piece of fiction using current, commonly accepted conventions of literary criticism.
9. Articulately communicate an artistic appreciation of a piece of fiction to others.

American Literature I (ENGL 26503)
Students will analyze and interpret literary works from the 1400s to 1865. Students will study American authors and the philosophies represented in their works. Completion of ENG 1103 English Composition I is strongly recommended.
ACTS Equivalency Course ID: ENGL 2653 American Literature I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:
1. Read, analyze, and interpret works by representative American writers.
2. Identify various literacy techniques, methods, and ideas.
3. Illustrate how literature reflects culture and society.
4. Write at least one interpretive paper.

American Literature II (ENGL 26603)
A continuation of American Literature I. Students will analyze and interpret works from 1865 to present literature. American Literature I is not a prerequisite for American Literature II. Completion of ENG 1103 English Composition I is strongly recommended.
ACTS Equivalency Course ID: ENGL 2513 American Literature II.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:
1. Read, analyze, and interpret works by representative American writers.
2. Identify various literacy techniques, methods, and ideas.
3. Illustrate how literature reflects culture and society.
4. Write at least one interpretive paper.

Introduction to Culture Geography (GEOG 21103)
A study of interaction among cultures and physical environments to develop students' understanding of local and global social issues such as economics, language, population, politics, and religion. Strong reading skills required.
ACTS Equivalency Course ID: GEOG 2113 Cultural Geography.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Develop knowledge of man’s habitat.
2. Use this knowledge for an improved understanding of the problems facing man and society.
3. Gain a basic understanding of the five themes on geography, the tools of geography, and how to apply them.
4. Become familiar with the principal areas of geographic study including physical, cultural, political, economic, ecological, and urban geography and cartography.
5. Understand how the regional distribution and use of world resources affect political conditions.
6. Improve place-name competence and the use of the grid system.

Physical Geology Lab (GEOL 11101)
Students will identify basic minerals, fossils and rocks, their origins, and economic values. Geologic map reading will be practiced. Field trips will enhance the lab experience.
*ACTS Equivalency Course ID: GEOL 1114 Physical Geology (must also take GEOL 11103 Physical Geology to fulfill ACTS equivalency requirement)

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Physical Geology (GEOL 11103)	Spring	Lecture: 0 Lab: 2	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the composition, formation, and distinguishing characteristics of igneous, sedimentary, and metamorphic rocks using basic mineral chemistry, accepted mineral and rock identification methods, and plate tectonic based formation processes.
2. Explain geological processes such as volcanoes, earthquakes, mountain building, and the formation of geologic structures using principles of the rock cycle, plate tectonics, seismology, and earth science.
3. Analyze the roles of surface water, wind, and groundwater in shaping Earth's surface and how these forces contribute to soil formation and erosion.
4. Evaluate evidence related to geologic time, dating techniques, and resource identification using the scientific method.

Physical Geology (GEOL 11103)
The study of the earth and the modification of its surface by internal and external processes. Includes examination of the Earth's interior, magnetism, minerals, rocks, landforms, structure, plate tectonics, geological processes, and resources. Arkansas geology will be featured.
*ACTS Equivalency Course ID: GEOL 1114 Physical Geology (must also take GEOL 11101 Physical Geology Lab to fulfill ACTS equivalency requirement)

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Physical Geology Lab (GEOL 11101)	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the rock cycle, plate tectonics, and the geologic time scale with dating methods.
2. Describe the mineral groups, identification methods of minerals, formation, and basic chemistry of minerals.
3. Explain how igneous rocks form and their characteristics.

Introduction to Engineering (GNEG 11003)
Course is intended for potential engineering students in the first year of study. It introduces students to the process and diversity of the various engineering fields. It also acquaints students with modeling and problem-solving techniques used by engineers as well as some of the computer tools necessary for pursuing a degree in engineering. This course is designed for current and future transfer students.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: College Algebra (MATH 11003)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify the role of engineers in society including expectations for professional and ethical behavior in engineering.
2. Recognize the major fields of engineering summarizing the types of work and responsibilities associated with each discipline.
3. Develop and present engineering projects or design solutions.
4. Apply basic problem-solving steps to engineering tasks using appropriate units, conversions, tables, and graphs.

Health Data Content (HIMT 20063)
This course covers the standards for patient and health care data; data collection issues and documentation requirements; data access and retention.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	The course is not currently offered.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Introduce health information management concepts common to allied health professionals.
2. Describe characteristics of health care delivery and settings in the United States.
3. Delineate career opportunities for health information management professionals.

Concepts of Physical Activity (HEAL 10003)
Students gain knowledge and appreciation of the importance of physical activity for lifelong health, wellness, and quality of life. Opportunities provided for psychomotor development. ACTS Equivalency Course ID: HEAL 1003 Personal Health.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	The course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify positive and negative factors that impact physical, social, mental, and emotional health and well-being.
2. Demonstrate basic understanding of critical health issues and behavior affecting personal health.
3. Discuss strategies for establishing and maintaining healthful living practices, including exercise.
4. Identify the cause of stress and the steps to successfully manage stress.
5. Recognize and discuss the processes and effects of addictive behavior, substance abuse, and substance dependence.
6. Demonstrate knowledge of essential nutrients, their food sources, and why they are important to the body.

Legal Concepts in Health Care (HIMT 20163)
Provides an overview of the principles of law as applied to health care. The course gives consideration to the importance of medical records as legal documents, to the legal aspects of health care organizations, to the release of information, and to consents and authorizations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Recognize the principles of laws and regulations as applied to the healthcare industry.
2. Recognize the purpose of several laws specific to health care.
3. Demonstrate knowledge of the importance of medical records as legal documents.

Diagnosis Coding and Billing (HIMT 20263)
Develops a working knowledge of general code matching and diagnosis assignments used in hospitals, clinics, and insurance offices for health-care industry. Emphasis is placed on purpose of coding, definitions of key terms, accurate application of coding principles and an overview of the impact of prospective reimbursement on the function of coding; principles of classification. Familiarization with standard coding references is provided (CPT, ICD-10).

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the background, history, and characteristics of health care delivery in the United States which led to the development and current use of the ICD 10CM coding system.
2. Identify the uses of the coding manual.
3. Identify placement of Seton stamp codes on insurance form and distinguish between professional and city services
4. interpret the information in the section guidelines and notes.
5. Apply modifier code.
6. Apply the information contained in the appendices, figures, glossary, and index to code appropriately.
7. Use the symbols, abbreviations, and acronyms contained in the textbooks in coding exercises.
8. Demonstrate the ability to code properly from all aspects of the ICD-10-CM manual and HCPCS.
9. Interpret diagnostic statements and general anatomy and physiology terminology in order to code appropriately.
10. Describe the revenue cycle and importance of accurate coding to the reimbursement of a health care facility.
11. Gain knowledge in preparation to become certified in coding.
12. Provide diagnosis codes for services along with outpatient procedure codes that ar placed on the patient's health care bill.
13. Identify CMS documentation guidelines.
14. Describe methods by which the risk of fraud can be minimized in coding/billing practices.
15. Discuss the impact of the Affordable Care Act on the cost, quality, and access to health care in the U.S. and consequent effects on coding/billing practices.

Outpatient Coding and Billing (HIMT 20363)
This course is designed to develop a basic knowledge of how to apply the coding rules to bill for patient services. In addition, a variety of payment systems will be presented--DRG, APC, RUGS.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Diagnosis Coding and Billing (HIMT 20263)	This course is not currently offered.	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the background, history, and characteristics of health care delivery in the US which led to the development and current use of the CPT coding system.
2. Identify the uses of the CPT coding manual.
3. Identify placement of the CPT codes on insurance forms and displaying professional and facility services.
4. Interpret the information contained in the section guidelines and notes.
5. Apply appropriate CPT modifiers to codes.
6. Apply the information contained in the appendices, figures, glossary, and index to code appropriately.
7. Use the symbols, abbreviations, and acronyms contained in the textbooks in coding exercises.
8. Demonstrate the ability to code properly from all aspects of the CPT manual and HCPCS.
9. Interpret diagnostic statements and general anatomy and physiology terminology in order to code appropriately.
10. Describe the revenue cycle and importance of accurate coding to the reimbursement of a health care facility.
11. Gain knowledge in preparation to become certified in coding.
12. Provide diagnosis codes for services along with outpatient procedure codes that are placed on the patient's health care bill.
13. Identify CMS documentation guidelines.
14. Describe methods by which the risk of fraud can be minimized in coding/billing practices.
15. Discuss the impact of the Affordable Care Act on the cost, quality, and access to health care in the U.S. and consequent effects on coding/billing practices.

World Civilization I (HIST 11103)
This course explores the development of human societies from prehistory to the 17th Century, examining the cultural, political, economic, and social structures of major civilizations around the world.
ACTS Equivalency Course ID: HIST 1113 World Civilizations I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes
By the end of this course, students will be able to:

1. Analyze and interpret major cultural, political, and economic developments from ancient civilizations to the early modern era, explaining their relevance to contemporary society.
2. Assess how trade, migration, and conflict between cultures shaped civilizations and contributed to global interconnectivity.
3. Critically evaluate primary sources such as historical texts, artifacts, and art to construct evidence-based interpretations of past societies.
4. Identify and explain key themes in world history including empire-building, religious development, and social change and analyze their significance across historical periods.
5. Compare and contrast the political, economic, and social systems of major civilizations to evaluate patterns of diversity and commonality in human history.

World Civilization II (HIST 11203)
This course examines the development of global civilizations from the 17th Century to the present, focusing on the political, social, economic, and cultural transformations that have shaped the modern world.
ACTS Equivalency Course ID: HIST 1123 World Civilization II.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes
By the end of this course, students will be able to:

1. Analyze major political, economic, and social developments from the early modern period to the present and explain how they have shaped contemporary global dynamics.
2. Evaluate the influence of key ideologies such as nationalism, socialism, and liberalism on historical movements and their continued impact on international relations.
3. Analyze the causes, developments, and long-term effects of major global conflicts including the World Wars and Cold War on international relations and human societies.
4. Interpret cultural transformations resulting from modernization, globalization, and technological change, and assess their influence on identity and societal values across world civilizations.

United States History I (HIST 21103)
This course explores the history of the United States from its Indigenous and colonial roots through the end of the Civil War.
ACTS Equivalency Course ID: HIST 2113 United States History I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 3	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Trace the social, political, and economic foundations of early American society, including Indigenous cultures, European colonization, and colonial government development.
2. Analyze the causes and key events of the American Revolution, and assess how principles of liberty, democracy, and republicanism shaped the founding of the United States.
3. Analyze the drafting and ratification of the U.S. Constitution, and evaluate debates surrounding federalism, checks and balances, and the Bill of Rights and their impact on American governance.
4. Evaluate the impact of 19th-century reform movements, including abolition, women's rights, and labor, on American society and politics.
5. Assess the economic, social, and cultural differences between the Northern and Southern states, and evaluate how these divisions contributed to rising national tensions before the Civil War.

United States History II (HIST 21203)
This course examines the history of the United States from Reconstruction (1865) to the present, exploring the political, social, economic, and cultural transformations that have shaped modern America.
ACTS Equivalency Course ID: HIST 2123 United States History II.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze the causes and effects of industrialization and urbanization in the United States, including their influence on society, the economy, and labor movements.
2. Assess the emergence of the United States as a global power by examining key events, such as the Spanish-American War, World Wars I and II, and their effects on foreign and domestic policy.
3. Evaluate the evolution of civil rights movements from the late 19th to 20th centuries, analyzing the strategies, challenges, and successes of groups advocating for racial, gender, and economic equality.
4. Assess the political, social, and economic impact of the Cold War on American society, including the influence of McCarthyism, the civil rights movement, and the Vietnam War on domestic and foreign policy.
5. Analyze key social, political, and economic issues facing the United States from the late 20th century to the present, explaining how historical developments inform current debates on immigration, healthcare, and environmental policy.

Arkansas History (HIST 25503)
This course provides an in-depth exploration of the history of Arkansas from its Indigenous origins to the present day. Students will examine the state's political, social, economic, and cultural development within the broader context of American history.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Examine the history and cultures of Indigenous peoples in Arkansas and analyze the effects of European colonization on their societies.
2. Analyze the political, social, and economic development of Arkansas from early settlement through the Civil War, explaining how key historical events shaped the state's identity.
3. Assess the historical evolution of Arkansas's economy by examining key industries such as agriculture, timber, and mining and their influence on the state's development and demographics.
4. Analyze major civil rights movements in Arkansas by evaluating key events, figures, and legislation that contributed to the state's ongoing struggle for racial equality and justice.
5. Evaluate contemporary social, political, and economic issues in Arkansas by connecting them to historical developments, with emphasis on education, healthcare, and environmental policy.

HVAC Fundamentals (HVAC 10503)
An instructional and hands-on experience with a wide range of residential HVAC equipment. Course content includes thermodynamic and heat transfer concepts, basic energy and power definitions, and scientific terminology related to HVAC. Students are introduced to the equipment used in residential HVAC systems through the classroom and in the laboratory. The laboratory for this course includes residential equipment as well as professional-grade tools used by practicing HVAC technicians. The course emphasizes safety considerations for the HVAC workplace.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 2 Lab: 1	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify HVAC system components.
2. Explain HVAC system operation.
3. Perform basic HVAC related calculations.
4. Measure system operation using appropriate metering tools.

HVAC Controls (HVAC 11503)

This course provides advanced training for students interested in employment as an HVAC Technician working on residential HVAC systems. Building on the HVAC Fundamentals course, students will focus on electrical components used to control residential HVAC processes and equipment. Students will study HVAC fundamentals, HVAC electrical systems and components, air conditioning system controls, heating system controls, and heat pump system controls. Academic portions of the course are completed using MyHVACLab web-based academic training. Students gain hands-on experience with a variety of HVAC trainers, residential HVAC equipment, and tools used by HVAC technicians in the field. Shop procedures are explained, constantly emphasized, and strictly enforced.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: HVAC Fundamentals (HVAC 10503) AND AC Electricity (TECH 10453)	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify HVAC control components.
2. Describe control system operation.
3. Interpret HVAC control schematics.
4. Navigate control system interfaces.
5. Troubleshoot common HVAC control systems.

HVAC Troubleshooting (HVAC 12503)
This course provides advanced training for students interested in employment as an HVAC Technician working on residential HVAC systems. Building on the HVAC Controls course, students will focus on malfunctions, troubleshooting, and repair of mechanical, electrical, and control components found in residential HVAC systems. Students will complete additional studies in HVAC electrical systems and components, air conditioning system controls, heating system controls, heat pump system controls, and installation, maintenance, servicing, and troubleshooting HVAC components. Academic portions of the course are completed using MyHVACLab web-based academic training. Students gain hands-on experience with a variety of HVAC trainers, residential HVAC equipment, and tools used by HVAC technicians in the field. Shop procedures are explained, constantly emphasized, and strictly enforced.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: HVAC Controls (HVAC 11503)	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:
1. Apply systematic troubleshooting methods.
2. Diagnose electrical and mechanical issues.
3. Interpret diagnostic readings.
4. Develop and implement repair solutions.

Math Skills (MATH 00131)
This course provides an option for students who score a 16-18 on the mathematics portion of the ACT or an equivalent score on an approved placement examination to enroll simultaneously in this course and MATH 11003 College Algebra. The class will provide students with concepts and mechanics needed for College Algebra.
Students must complete both courses with a C or higher and MATH 11003 with a passing grade to receive the credit and earned grade for both courses. Students who are required to take this course must also be enrolled in MATH 11003 at the same time; it cannot be taken alone.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: College Algebra (MATH 11003)	Fall Spring Summer	Lecture: 1 Lab: 0	1

Course Learning Outcomes By the end of this course, students will be able to:
1. Solve and graph linear equations and inequities.
2. Solve systems of linear equations.MA
3. Factor polynomials in one variable.
4. Examine functions to find domain and range, evaluate, and graph.
5. Solve basic quadratic, rational, and radical equations.
6. Simplify exponential, rational, and radical expressions.

Math for Life (MATH 00201)
This course provides an option for students who score a 16-18 on the mathematics portion of the ACT or an equivalent score on an approved placement examination to enroll concurrently in this course and MATH 11103 Quantitative Literacy. The class will provide students with the concepts and mechanics needed for Quantitative Literacy.
Students must complete this course with a C or higher and MATH 11103 with a passing grade to receive the credit and earned grade for both courses. Students who are required to take this course must also be enrolled in MATH 11103 at the same time; it cannot be taken alone.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite:	Fall	Lecture: 1	1
Quantitative Literacy (MATH 11103)	Spring	Lab: 0	

Course Learning Outcomes By the end of this course, students will be able to:
1. Tabulate basic financial formulas.
2. Interpret common statistical measures.
3. Differentiate different types of mathematical models.
4. Convert standard units of measurement.

Essentials of Math (MATH 02043)

This course provides an option for students who score a 12-15 on Mathematics portion of the ACT or an equivalent score on an approved placement examination to begin their math remediation. This course will teach topics, concepts, and mechanics in mathematics to enable a student to be successful in subsequent courses.

A student making a C in this course is eligible to take Technical Math (MATH 10103), (MATH 12103), College Algebra (MATH 11003) with Math Skills (MATH 00131), or Quantitative Literacy (MATH 11103) with Math for Life (MATH 00201).

A student that successfully completes this course with a B or higher, may take College Algebra (MATH 11003) without corequisite support course or Quantitative Literacy (MATH 11103) without corequisite support course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze the properties of number sets, interpret their graphs, and solve basic one-variable equations.
2. Apply the principles of the Rectangular Coordinate System to graph and evaluate linear equations using multiple methods.
3. Utilize the Laws of Exponents and polynomial operations to simplify and manipulate algebraic expressions.
4. Solve quadratic equations by applying appropriate factoring techniques.
5. Evaluate rational and radical expressions and solve equations involving them.

Technical Mathematics (MATH 10103)
This course is designed for students to gain appreciation for mathematics and its interface with everyday activities. Use of these skills should apply to industry-specific scenarios and real-life situations. Intended for students who will not continue in higher-level mathematics courses. This course serves as the terminal math course for most AAS degree plans.
ACTS Equivalency Course ID: MATH 1013 Applied Technical Math.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Essentials of Math (MATH 02043) with a grade of C or higher OR ACT Math score of 16 or higher OR Equivalent placement test score.	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply the principles of arithmetic with signed numbers, fractions, and decimals, and perform fundamental algebraic operations.
2. Analyze and solve elementary algebraic equations, manipulate formulas, and translate real-world problems into algebraic expressions.
3. Demonstrate knowledge of geometry, including calculating the area and volume of polygons and understanding geometric principles.
4. Apply the concepts of right-angle trigonometry and interpret basic statistical data.
5. Perform essential business calculations, including simple interest, mortgage payments, and dosage measurements.

College Algebra (MATH 11003)
This course presents quadratic, absolute value, polynomial, rational, exponential, and logarithmic functions and their graphs. It also includes a study of inequalities, system of equations, and matrices (graphing calculator required).
ACTS Equivalency Course ID: MATH 1103 College Algebra.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ACT Math 19 or higher **or** have an equivalent test score OR ACT Math 16-18 or equivalent test score with simultaneous enrollment in MATH 00131. (Complete MTH 11003 with a passing grade and MATH 00131 with a grade of C or higher to receive the credit and earned grade for both courses. Students who are required to take this course cannot be enrolled in this course without also being enrolled in MATH 00131) OR ACT Math score 13-18 **with** High School Cum GPA of 3.25 AND a grade of "B" or higher in Algebra II OR Complete MATH 02043 with a grade of B or higher can go directly into MATH 11003 OR Complete MATH 02043 with a grade of C requires simultaneous enrollment in both MATH 11003 and MATH 00131.	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply the operations and properties of functions including composition and use them to analyze their graphs.
2. Apply the First Fundamental Theorem of Algebra to find the real and complex zeros of higher order polynomials.
3. Analyze and apply the properties of exponential and logarithmic functions to solve equations and real-world application problems.

4. Solve systems of linear equations by various methods including using matrices.

Quantitative Literacy (MATH 11103)
This course provides students with mathematical understanding and skills to be productive workers, discerning consumers, and informed citizens. The areas of finance, statistics and probability, mathematical modeling, and quantities and measurement will be covered. This course is designed to be the terminal math course for Non-STEM (Science, Technology, Engineering, and Math) majors. Students who plan to study any higher mathematics courses or pursue certain advanced degrees need to take College Algebra instead of this course.
ACTS Equivalency Course ID: MATH 1113 Quantitative Literacy.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: ACT Math 19 or higher or have an equivalent test score OR ACT Math 16-18 or equivalent test score with simultaneous enrollment in MATH 00201. (Complete MATH 11103 with a passing grade and MATH 00201 with a grade of C or higher to receive the credit and earned grade for both courses. Students who are required to take this course cannot be enrolled in this course without also being enrolled in MATH 00201) OR ACT Math score 13-18 with High School Cum GPA of 3.25 AND a grade of "B" or higher in Algebra II OR Complete MATH 02043 with a grade of B or higher can go directly into MATH 11103 OR Complete MATH 02043 with a grade of C requires simultaneous enrollment in both MATH 11103 and MATH 00201.	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:
1. Calculate real-world scenarios using standard financial formulas.
2. Analyze and apply graphical representations and statistical measures.

3. Evaluate the accuracy and limitations of mathematical models.
4. Convert between different units of measurement in practical contexts.

Trigonometry (MATH 12003)
This course covers right triangle trigonometry applications, including the laws of sines and cosines, radian measure and applications, trigonometric functions of real numbers, graphs of trigonometric functions, trigonometric identities and equations, polar coordinates, complex numbers in polar (trigonometric) form. A calculator with trigonometric functions is required.
ACTS Equivalency Course ID: MATH 1203 Plane Trigonometry.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: College Algebra (MATH 11003) with a grade of C or higher.	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze and apply trigonometric functions, their properties, and graphical representations to solve mathematical and real-world problems.
2. Evaluate and manipulate trigonometric identities, inverse functions, and equations while utilizing appropriate technology for computation and graphing.
3. Solve problems involving right and oblique triangles, including applications of the law of sines and cosines and area calculations, using appropriate technology needed.
4. Convert complex numbers in standard form to trigonometric form.

Math for Healthcare Professions (MATH 12103)
This course provides instruction in dosage calculations using the basic formula and the ratio to proportion method as well as other means of calculation related to medications. Topics include but are not limited to interpretation of drug labels, syringe types, conversions, roman numerals, reconstitution and apothecaries, mixing medications IV flow rates, military time, interpretation of physician orders and transcribing to Medication Administration Records, dispensing, and proper documentation of medications as well as the Six Rights of Medication Administration.
Students must complete the course with a C or higher to complete the nursing requirement.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Essentials of Math (MATH 02043) with a grade of C or higher OR ACT Math score of 16 or higher OR Equivalent placement test score.	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Convert fractions, mixed numbers, ratios and proportions to a form that can be used to calculate drug dosages.
2. Calculate simple to complex medication dosages using dimensional analysis.
3. Calculate medication dosages using kilograms for pediatric medication orders instead of pounds.
4. Summarize the six rights of medication administration and apply them to medication dosage calculations where appropriate.

Statistics (MATH 21003)
Covers descriptive and inferential statistical techniques and methods in life, physical, and social science. Topics include qualitative data analysis, frequency distributions, numerical methods, data dispersions, variance analysis, estimation theory, sampling distributions, discrete and continuous probability distributions, hypothesis testing, and confidence interval estimation. Cross-listed as BUS 21003.
ACTS Equivalency Course ID: MATH 2103 Introduction to Statistics.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: College Algebra (MATH 11003) OR Quantitative Literacy (MATH 11103)	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Represent and interpret data using statistical software, including creating tables, graphs, and calculating descriptive statistics.
2. Apply probability concepts and counting methods to solve problems involving compound and conditional events.
3. Explain the properties of sampling distribution and apply the Central Limit Theorem to make statistical inferences.
4. Conduct hypothesis tests and construct confidence intervals for population parameters using statistical software, interpret results in context.
5. Analyze relationships between variables using correlation and linear regression models; assess model fit and prediction suitability.

Math I (MATH 21043)
Focuses on sets, logic, and numbers with emphasis on the axiomatic development of the real numbers.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: College Algebra (MATH 11003) OR Quantitative Literacy (MATH 11103)	Fall Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe and apply set theory concepts, including set operations, properties, relations, and functions.
2. Explain and perform operations within the real number system, including whole numbers, integers, fractions, decimals, percents, and rational numbers.
3. Apply the four major operations used in the real number system to solve a variety of mathematical problems.
4. Teach a mathematical concept while applying multiple strategies to reach students of differing learning styles.

Math II (MATH 21143)
Focuses on mathematical systems, elementary algebra, probability and statistics, and geometry with applications.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: College Algebra (MATH 11003) OR Quantitative Literacy (MATH 11103)	Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply principles of elementary algebra to solve equations and interpret mathematical expressions.
2. Analyze basic geometric figures to solve problems involving perimeter, surface area, and volume.
3. Interpret and apply basic concepts of probability and statistics, including data organization and measure of central tendency.
4. Teach a mathematical concept while applying multiple strategies to reach students of differing learning styles.

Survey of Calculus/Business Calculus (MATH 22003)
Includes selected topics in elementary calculus and analytic geometry for students in business, agriculture, and social sciences.
ACTS Equivalency Course ID: MATH 2203 Survey of Calculus.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: College Algebra (MATH 11003) with a grade of C or higher.	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Interpret limit and continuity and evaluate limits; find and apply slopes, rates of change, and derivatives using the definitions; find derivatives using differentiation formulas, including the product and quotient rules; find higher order derivatives.
2. Find derivatives using the chain rule and generalized power rule; recognize non-differentiable functions; graph, using the first and second derivates.
3. Understand and apply optimization; optimize lot and harvest size; perform implicit differentiation and apply it to related rates problems.

Discrete Mathematics (MATH 23103)
This course emphasis applications of mathematics in computer science and other areas of modern technology.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: College Algebra (MATH 11003) with a grade of C or higher OR ACT Math score of 26 or higher OR Equivalent placement test score.	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply mathematical reasoning and formal proof techniques, including direct, contrapositive, and contradiction methods, to establish the validity of mathematical statements.
2. Analyze logical propositions using truth tables and determine the logical equivalence or validity of compound statements.
3. Construct formal proofs of mathematical theorems using mathematical induction and other proof strategies.
4. Demonstrate understanding of set theory by performing set operations and applying set algebra to solve problems.
5. Evaluate the properties of relations and functions, including reflexivity, symmetry, transitivity, domain, range, and bijectivity.
6. Model problems (computer science, mathematical, etc.) using discrete structures such as graphs, trees, and combinatorial principles, and solve them using appropriate mathematical tools.

Calculus I (MATH 24004)
Covers the first 4 hours of 12 hours (a three-course sequence) in calculus designed to teach the fundamentals of differential and integral calculus needed in applications, including multivariate calculus. Topics include limits of functions, the derivative, applications of the derivative, the fundamental theorem of calculus, the definite integral, applications of the definite integral, the trigonometric, exponential, and logarithmic functions.
ACTS Equivalency Course ID: MATH 2405 Calculus I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisites: A grade of C or higher in: College Algebra (MATH 11003) AND Trigonometry (MATH 12003).	Fall	Lecture: 4 Lab: 0	4

Course Learning Outcomes By the end of this course, students will be able to:
1. Analyze and evaluate limits, continuity, and derivatives.
2. Apply differentiation techniques to solve problems and analyze graphs.
3. Apply the differentiate logarithmic and exponential functions.

The following topics will be included in this course:
- Functions, including sketching, slopes, minimum, maximum, relative extrema, inflection points, asymptotes, and other analysis
- Limits
- Continuity
- Differentiation
- Implicit differentiation
- Exponential, trigonometric, and logarithmic functions
- Exponential growth and decay
- Slope and rates of change
- Maximum and minimum values and optimum solutions to problems
- Antiderivatives
- Definite and indefinite integration, including the Fundamental Theorem of Calculus
- Area between curves
- Integration techniques
- Integration by parts (Calculus I or Calculus II)
- Trigonometric and substitutions (Calculus I or Calculus II)
- Integration of rational functions using partial functions (Calculus I or Calculus II)

Calculus II (MATH 25004)
The second 4 hours of 12 (a three-course sequence) in calculus designed to teach the fundamentals of differential and integral calculus needed in applications, including multivariable functions. Topics include exponential and logarithmic functions, natural growth and decay, trigonometric and hyperbolic functions, polar coordinates, conic sections, and infinite series.
ACTS Equivalency Course ID: MATH 2505 Calculus II.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Calculus I (MATH 24004) with a grade of C or higher.	Spring	Lecture: 4 Lab: 0	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply advanced integration techniques to solve mathematical and real-world problems.
2. Analyze and evaluate infinite sequences and series.

The following topics will be included in this course:

- Integration by parts
- Trigonometric and substitutions
- Integration of rational functions using partial functions
- Applications of integration
- Applications of improper integrals
- Sequence and infinite series including:
    - Convergence test
    - Taylor Series
    - Radius of convergence
- Vectors (Calculus II or Calculus III)
- Calculus of vector-valued functions (Calculus I or Calculus III)

Calculus III (MATH 26004)
The third 4 hours of 12 (a three-course sequence) in calculus. The topic is multivariable calculus.
ACTS Equivalency Course ID: MATH 2603 Calculus III.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Calculus II (MATH 25004) with a grade of C or higher.	Summer	Lecture: 4 Lab: 0	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply vector and multivariable calculus concepts to mathematical and real-world problems.
2. Evaluate functions of several variables using differentiation and integration.
3. Apply advanced integral techniques in vector fields

The following topics will be included in this course:

- Two-dimensional and three-dimensional vector-valued functions
- Functions of several variables
- Partial derivatives
- Multiple integration
- Line and surface integrals
- The student will understand and apply the following (Calculus II or Calculus III):
    - Vectors
    - Calculus of Vector-valued functions

Public Relations (MGMT 10053)
This course provides a comprehensive overview of public relations (PR) fundamentals, exploring how PR professionals build and maintain positive relationships between organizations and their publics. Students will learn about core PR principles, tools, and practices and will develop practical skills through hands-on activities, case studies, and projects. By the end of the course, students will be equipped with essential skills for creating press releases, managing media relations, and handling basic PR crises, preparing them for entry-level positions or further study.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the primary function of public relations and differentiate public relations from related fields like advertising and marketing.
2. Use tools such as press releases, media kits, and press conferences to create public relations content.
3. Compose effective press releases and craft compelling narratives for a brand or organization.
4. Demonstrate the fundamentals of building media relationships, responding to crises, and managing public perceptions.
5. Discuss digital tools, such as email marketing software and social media platforms, to strengthen public relations campaigns.
6. Demonstrate the importance of ethics in public relations and communicate responsibility with diverse audiences.

Customer Relations Management (MGMT 10153)
This course provides a comprehensive understanding of Customer Relations Management (CRM) principles, focusing on leveraging customer data analytics and CRM software to drive marketing decisions and improve business performance. Students will explore the use of CRM technologies, including AI and automation, to optimize customer engagement and enhance long-term relationships. The course emphasizes evaluating CRM initiatives using key performance indicators and customer insights to refine strategies and maximize customer lifetime value.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Develop a comprehensive understanding of Customer Relations Management (CRM) principles.
2. Develop an understanding of how to leverage customer data analytics and CRM software to make informed marketing decisions, personalize customer experiences, and improve business performance.
3. Apply skills in designing and implementing customer engagement strategies that enhance satisfaction, foster long-term relationships, and drive customer lifetime value.
4. Evaluate the effectiveness of CRM technologies, including AI, automation, and digital tools, in optimizing customer interactions across multiple touchpoints and channels.
5. Develop the ability to assess CRM initiatives' effectiveness by analyzing key performance indicators and using customer insights to refine marketing and relationship management strategies.

Social Media Management (MGMT 10253)
This course introduces the fundamentals of social media management for business, nonprofit, and personal branding. Students will explore core tools, strategies, and ethical practices for creating content, engaging audiences, and measuring performance across major platforms. Through hands-on projects and case studies, students will gain practical skills to support or lead social media efforts in professional settings.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the fundamentals of managing social media for business, nonprofit, and personal branding purposes.
2. Create effective content strategies and content calendars tailored to specific platforms and goals.
3. Identify and analyze target audiences to guide content creating and engagement strategies.
4. Assess social media performance using key metrics and apply insights to improve future campaigns.
5. Identify and discuss ethical considerations and emerging trends in the field of social media management.

Principles of Leadership (MGMT 20053)
This course explores the principles of effective leadership, distinguishing between leadership and management while examining key leadership behaviors and characteristics. Students will evaluate various leadership styles, their impact on motivation, team development, and organizational effectiveness, while learning strategies for coaching, developing, and motivating individuals. The course emphasizes goal-setting, decision-making, and problem-solving strategies, equipping students with the skills to transition into a leadership role with confidence in any organizational setting.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain effective leadership and distinguish between leadership and management, identifying key leadership behaviors and characteristics of successful leaders.
2. Evaluate different leadership styles and assess their impact on motivation, team development, and organizational effectiveness.
3. Analyze how effective leaders develop, coach, and motivate individuals, while utilizing strategies to recognize and interact with different personality types in the workplace.
4. Develop the ability to set organizational goals and objectives, aligning them with the organization's mission, and identifying strategies for achieving them.
5. Apply effective leadership strategies to identify problems, make decisions, and transition from employee to supervisor, addressing challenges in leadership decision-making and problem-solving.

Conflict Management (MGMT 20153)
This course focuses on developing strategies for managing workplace conflicts, with an emphasis on analyzing different conflict management styles and evaluating their effectiveness. Students will learn to apply ethical decision-making and develop frameworks that align with human resources responsibilities while exploring techniques for fair task delegation and conflict resolution. The course also emphasizes integrating decision-making strategies to resolve disputes and foster a positive organizational environment.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze different styles of managing conflict and assess their effectiveness in resolving workplace disputes.
2. Demonstrate ethical decision-making by choosing appropriate actions in situations requiring the application of business ethics.
3. Evaluate delegation and work assignment techniques to ensure fair and effective task distribution while minimizing potential conflicts.
4. Integrate decision-making strategies into conflict resolution processes.
5. Design conflict resolution frameworks that align with human resources responsibilities.

Principles of Management (MGMT 20163)
Students study and develop techniques and skills in the principal areas of management; planning and decision-making; organizing and human resources; leadership, including motivation and communications; and control.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe key management techniques, skills, and responsibilities used in modern organizations.
2. Identify and explain current issues, challenges, and trends in management practice.
3. Apply fundamental management principles to evaluate real-world business cases and organizational scenarios.
4. Analyze management problems by assessing case studies and proposing evidence-based solutions.

Project Management (MGMT 20253)
This course covers the key activities in the project lifecycle, focusing on effective planning, execution, and closure, while evaluating techniques to manage scope, schedule, cost, and quality. Students will develop skills in creating project charters, applying the triple constraint, and utilizing technology to improve project management practices through data analysis and lessons learned.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze the key activities in the project lifecycle to ensure effective project planning, execution, and closure.
2. Evaluate various project control techniques to manage scope, schedule, cost, and quality, and to mitigate risks.
3. Apply the triple constraint (scope, time, and cost) in determining project scope and making project decisions.
4. Develop the ability to create a scalable project charter with key components, ensuring it aligns with the size and objectives of the project.
5. Develop the ability to utilize technology to research, analyze, and interpret business information, and capture lessons learned to improve project management practices.

Human Resource Management (MGMT 20453)
This course provides a comprehensive understanding of core Human Resource Management (HRM) principles, focusing on recruitment, selection, training, compensation, and employee development. Students will learn to align HR practices with organizational goals, foster positive work environments, and resolve workplace issues like conflict and discrimination. The course also emphasizes critical thinking and decision-making in HRM, helping students develop strategies to address employee relations and organizational needs effectively.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain core HRM principles and critical issues related to recruitment, selection, training, and compensation.
2. Apply HR practices in decision-making, recruitment, selection, and employee development to align HR functions with organizational goals.
3. Evaluate HR management practices related to diversity, motivation, compensation, and performance to create positive and compliant work environments.
4. Apply HR decision-making processes and develop critical thinking skills to solve problems in employee relations and organizational needs.
5. Analyze workplace issues such as conflict and discrimination, applying conflict resolution strategies to foster a harmonious work environment.

Principles of Marketing (MKTG 25183)
Provides a study of the business activities performed to direct the flow of goods and services from the producer to the consumer.
ACTS Equivalency Course ID: MKTG 2003 Principles of Marketing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the core concepts, theories, principles, and terminology associated with marketing.
2. Analyze the function of marketing as it relates to an organization's strategy and to other organizational functions.
3. Evaluate the ethical, cultural, social, and global implications of marketing decisions on stakeholders and society.
4. Identify the tools, technologies, and methods utilized to make marketing decisions and implement marketing activities.

CNC Operator I (MSTE 10147)
Prepares students for entry into the CNC machining industry. Students explore career opportunities and requirements of a CNC operator. Content emphasizes beginning skills key to the success of working in the CNC machining industry. Students study workplace safety and organization, job-related mathematics, basic blueprint information, metrology, work holding and tool set-up, CNC control panels and basic machine maintenance and troubleshooting as each apply to CNC lathe operations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 6 Lab: 1	7

Course Learning Outcomes By the end of this course, students will be able to:
1. Perform setup machinist duties to produce a lathe-machined part.
2. Identify key maintenance points on the CNC lathe.
3. Measure parts using precision instruments.
4. Interpret machining-related blueprints.
5. Perform machining-related math and trigonometry calculations.

CNC Operator II (MSTE 10237)
Designed to build on the skills and knowledge students learned in CNC Operator I for the entry into the machining industry. Content emphasizes beginning skills key to the success of working in the CNC machining industry. Students study workplace safety and organization, geometric dimension and tolerance, work holding and tool set-up, CNC control panels, and basic machine maintenance and troubleshooting as each apply to the CNC milling operations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 6 Lab: 1	7

Course Learning Outcomes By the end of this course, students will be able to:

1. Perform setup machinist duties to produce a mill-machined part.
2. Identify key maintenance points on the CNC mill.
3. Measure parts using precision instruments.
4. Interpret machining-related blueprints.
5. Perform machining-related math and trigonometry calculations.

CNC Production Technician I (MSTE 10337)
Designed to build on the skills and knowledge students learned in the Certificate of Proficiency for CNC Operators. Students explore the importance of employability and entrepreneurship skills, solve problems using critical thinking, creativity and innovation; demonstrate inspection methods, select appropriate cutting tools, perform advanced set up and operation of a CNC lathe machine, and demonstrate basic computer-aided design/computer-aided manufacturing processes as it relates to CNC lathe operations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: CNC Operator II (MSTE 10237)	Spring	Lecture: 6 Lab: 1	7

Course Learning Outcomes By the end of this course, students will be able to:

1. Write, edit, and upload CNC lathe programs.
2. Design a machine set up and fixturing for part production.
3. Produce parts to print specifications, maintaining dimensional accuracy within ±0.001” tolerance using both CNC and manual lathes.
4. Demonstrate proficiency in manual lathe setup, tool selection, and part production
5. Apply trigonometry and geometric calculations for machining processes.

CNC Production Technician II (MSTE 10437)
Designed to build on the skills and knowledge students learned in CNC Production Technician I. Students demonstrate leadership and teamwork skills; solve problems using critical thinking, creativity and innovation; demonstrate inspection methods, select appropriate cutting tools, perform advanced set up and operation of a CNC milling machine, and demonstrate basic computer-aided design/computer-aided manufacturing processes as it relates to CNC milling operations.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: CNC Production Technician I (MSTE 10337)	Spring	Lecture: 6 Lab: 1	7

Course Learning Outcomes By the end of this course, students will be able to:

1. Write, edit, and upload CNC mill programs.
2. Design a machine set up and fixturing for part production.
3. Produce parts to print specifications, maintaining dimensional accuracy within ±0.001” tolerance using both CNC and manual mills.
4. Demonstrate proficiency in manual mill setup, tool selection, and part production.
5. Apply trigonometry and geometric calculations for machining processes.

Basic Machining (MSTE 12003)
This course introduces the fundamentals of machining as they apply to industrial maintenance and millwright operations. Students will develop hands-on skills using manual machine tools such as the engine lathe, vertical milling machine, drill press, and basic measuring instruments. Emphasis is placed on safe machine operation, print reading, layout work, tool selection, and machining techniques commonly required for equipment repair, part fabrication, and plant maintenance.
Students will learn to measure, cut, drill, bore, turn, and mill common industrial materials to specified tolerances. The course prepares maintenance personnel to fabricate replacement parts, modify components, and perform precision work necessary to keep industrial equipment operating efficiently.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall	Lecture: 0 Lab: 3	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate safe operation of manual machine tools. Students will safely operate basic manual machining equipment—including the engine lathe, vertical milling machine, and drill press—by following established shop safety procedures and proper machine operation practices.
2. Interpret mechanical drawings and perform layout work. Students will read and interpret basic mechanical drawings and specifications and accurately perform layout and measurement using precision tools common to industrial maintenance settings.
3. Machine parts to specified dimensions and tolerances. Students will fabricate and modify basic components by performing turning, drilling, boring, and milling operations on common industrial materials to meet specified dimensions and tolerances.
4. Apply machining skills to industrial maintenance scenarios. Students will apply basic machining techniques to real-world maintenance tasks, including repairing worn components, fabricating replacement parts, and modifying existing parts to support equipment operation and reliability.

Music (MUSC 10003)
Introductory survey of music including the study of elements and forms of music, selected musical works, music terminology, important musical genres, periods, and composers, and an introduction to major musical instruments.
ACTS Equivalency Course ID: MUSC 1003 Music Appreciation.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify key musical elements, terminology, forms, and composers across various genres and time periods.
2. Differentiate musical instruments aurally and visually.
3. Analyze the role of music and musicians within their historical and cultural contexts.
4. Critique a musical performance using appropriate musical terminology.

Nursing Theory I (NURS 15008)
This introductory 16-week course provides a strong foundation in nursing practice with a focus on fundamental nursing concepts and medical-surgical care. Students will learn client-centered care, therapeutic communication, and professional standards. Students will also gain the knowledge and skills to provide compassionate and evidence-based nursing care. This course focuses on assessment of the client as well as the nursing process, roles of the ADN nurse, and skills basic to activities of daily living. Coping mechanisms, communication, nutrition, pharmacology, and drug administration are integrated throughout the course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Successful completion of the prerequisite courses and acceptance into the RN program. Corequisite: Nursing Practicum I (NURS 15105) AND General Psychology (PSYC 11003)	Fall Spring	Lecture: 8 Lab: 0	8

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply knowledge of effective and therapeutic communication techniques to determine the most appropriate, patient-centered interaction (QSEN: Patient-Centered Care)
2. Describe the role of safety and quality on patient care outcomes (QSEN: Safety and Quality)
3. Identify legal and ethical practice standards and principles consistent with professional nursing practice (Professionalism)
4. Identify legal and ethical practice standards and principles consistent with professional nursing practice (Professionalism)
5. Identify basic pharmacology principles as they affect safe nursing practice (QSEN: Safety and Quality)
6. Utilize the nursing process to develop a plan of care to meet the basic needs of adult patients (QSEN: Evidence-Based Practice; Informatics and Technology)

Nursing Practicum I (NURS 15105)
This course introduces the student to basic psychomotor skills and hand-on learning experience centered on fundamental nursing concepts and medical-surgical care. Students will develop proficiency in basic foundational nursing skills, mastering essential techniques for providing care to culturally diverse adult clients in hospitals, outpatient centers, clinics, and skilled care facilities. Topics covered include medication administration, electronic health records, automated medication dispensing equipment, and the principles of client confidentiality under HIPAA regulations. Simulated lab practice and return demonstrations of related skills in addition to clinical experiences are utilized in this course. Simulation may be utilized in addition to clinical experiences in this course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Successful completion of the prerequisite courses and acceptance into the RN program. Corequisite: Nursing Theory I (NURS 15008) AND General Psychology (PSYC 11003)	Fall Spring	Lecture: 0 Clinical: 5	5

Course Learning Outcomes By the end of this course, students will be able to:

1. Communicate effectively with adult clients and members of the nursing team (QSEN: Client-Centered Care; Teamwork and Collaboration)
2. Adhere to legal and ethical standards and principles consistent with professional nursing practice (Professionalism)
3. Utilize the nursing process to implement an individualized plan of care for adult clients to ensure safe, quality care (QSEN: Evidence-Based Practice; Safety and Quality; Informatics and Technology)
4. Accurately and safely perform basic psychomotor skills (QSEN: Safety and Quality

Nursing Theory II (NURS 22010)
This course provides for the acquisition of knowledge related to evidence-based registered nursing care across the lifespan, encompassing medical-surgical, maternal newborn, pediatric, and community nursing. Students utilize clinical judgment, health teaching, and effective collaboration with healthcare teams. Students will also gain essential knowledge to deliver safe and compassionate care to diverse client populations in various healthcare settings.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: Nursing Theory I (NURS 15008) AND General Psychology (PSYC 11003) Corequisite: Nursing Practicum II (NURS 22105)	Fall Spring	Lecture: 10 Clinical: 0	10

Course Learning Outcomes By the end of this course, students will be able to:

1. Differentiate the scope of practice for nursing and interprofessional healthcare team members. (QSEN: Teamwork and Collaboration; Professionalism)
2. Apply knowledge of growth and development to develop patient-centered teaching plans to promote health and prevent illness for the childbearing woman and newborn. (QSEN: Patient-Centered Care)
3. Prioritize nursing care for patients across the lifespan who have common, uncomplicated health problems in a variety of health care settings. (QSEN: Safety and Quality; Informatics and Technology)
4. Utilize the nursing process as a basis for clinical judgement supported by evidence to plan care that promotes safe, holistic nursing care. (QSEN: Evidence-Based Practice: Safety and Quality)

Nursing Practicum II (NURS 22105)
This course provides students with the opportunity to apply clinical judgment skills and collaborate with healthcare team members in caring for the clients across the lifespan with uncomplicated health problems. Through practical experiences in medical-surgical, maternal newborn, pediatric, and community nursing settings, students will develop and utilize essential skills in delivering safe and comprehensive client care. Simulation may be utilized in addition to clinical experiences in this course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: Nursing Practicum I (NURS 15105) AND General Psychology (PSYC 11003) Corequisite: Nursing Theory II (NURS 22010)	Fall Spring	Lecture: 0 Clinical: 5	5

Course Learning Outcomes By the end of this course, students will be able to:

1. Communicate effectively with nursing and interprofessional team members to obtain quality information as a basis for safe, coordinated care (QSEN: Teamwork and Collaboration; Informatics and Technology; Professionalism)
2. Apply knowledge of growth and development to implement patient-centered teaching plans to promote health and prevent illness for the childbearing woman and newborn. (QSEN: Patient-Centered Care)
3. Utilize clinical judgment to provide patient-centered care supported by evidence for patients across the lifespan with common, uncomplicated health problems (QSEN: Patient-Centered Care; Evidence-Based Practice)
4. Incorporate holistic strategies to promote health and safety when caring for the childbearing woman and newborn (QSEN: Patient-Centered Care; Safety and Quality)
5. Utilize legal and ethical standards of professional nursing practice when prioritizing patient care (QSEN: Evidence-Based Practice; Professionalism)

Nursing Theory III (NURS 23010)
This course focuses on the registered nursing care of diverse clients experiencing moderate and complex interruptions in physiological needs, mental health conditions, and the role of the registered nurse as a provider of care, manager of care, and member of the profession. These roles will be explored as they relate to the profession of nursing, legal and ethical issues, principles of teaching and learning, theory of nursing, professional accountability, current health issues, and leadership and management concepts. Safety, clinical reasoning, and client teaching concepts are stressed to reduce preventable errors and promote positive client outcomes. Core concepts include critical thinking, therapeutic communication, client safety, the nursing process, communication, ethical/legal issues, cultural concepts, community resources, assessment techniques, nutritional needs, delegation, prioritization and collaboration. A focus will be placed on preparation for the NCLEX-RN. Students will enhance critical thinking and test-taking skills, study strategies, and analyze NCLEX-RN type questions, become equipped with the knowledge and abilities to address complex healthcare challenges and ensure optimal client outcomes.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Nursing Theory II (NURS 22010) with a grade of C or higher. Corequisite: Nursing Practicum III (NURS 23105)	Fall Spring	Lecture: 10 Clinical: 0	10

Course Learning Outcomes By the end of this course, students will be able to:

1. Plan safe, coordinated care with the healthcare team to achieve positive patient outcomes (QSEN: Teamwork and Collaboration; Safety and Quality).
2. Identify continuous quality improvement principles and processes (QSEN: Safety and Quality; Informatics and Technology).
3. Utilize clinical judgement to prioritize patient-centered care for patients across the lifespan with complex physical and mental health problems (QSEN: Patient Centered Care; Evidence-Based Practice).
4. Analyze ethical dilemmas related to care of complex patients (Professionalism).

Nursing Practicum III (NURS 23105)
This course is designed to provide opportunities to apply the knowledge acquired in Nursing Theory III to provide safe and quality care to culturally diverse acute unstable adult clients in hospitals and mental health clients in hospitals, clinics, and mental health facilities. The course also provides for the application of knowledge in leadership and role development. Students will engage in a precepted clinical experience as part of this course. Simulation may be utilized in addition to clinical experiences in this course.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Nursing Theory II (NURS 22010) with a grade of C or higher. Corequisite: Nursing Practicum III (NURS 23105)	Fall Spring	Lecture: 0 Clinical: 5	5

Course Learning Outcomes

By the end of this course, students will be able to:

1. Coordinate safe care with the healthcare team to achieve positive patient outcomes (QSEN: Teamwork and Collaboration; Safety and Quality).
2. Apply knowledge of continuous quality improvement principles and processes to improve the quality of patient care in coordination with the healthcare team (QSEN: Safety and Quality; Informatics and Technology).
3. Utilize clinical judgment to prioritize patient-centered care for patients across the lifespan with complex physical and mental health problems (QSEN: Patient-Centered Care; Evidence-Based Practice).
4. Function as a patient advocate to facilitate ethical decision making (Professionalism).

Introduction to Philosophy (PHIL 11003)
Using the guiding principles of critical thinking, students will explore basic questions concerning human values, nature of reality, and nature of knowledge that are found in the study of philosophy.
ACTS Equivalency Course ID: PHIL 1103 Philosophy.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain key philosophical concepts related to human values, theories of knowledge, and theories of reality.
2. Evaluate diverse philosophical perspectives to develop an informed point of view.
3. Apply principles of logical reasoning to construct well-supported arguments in response to philosophical questions.

Physical Science Lab (PHSC 10031)
A laboratory experience to support PHS 10043 Physical Science. Laboratory meets three hours per week.
ACTS Equivalency Course ID: PHSC 1004 Physical Science. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Essentials of Math (MATH 02043) with a grade of C or higher. Corequisite: Physical Science (PHSC 10043)	Fall Spring Summer	Lecture: 0 Lab: 3	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate and practice laboratory safety.
2. Apply the scientific method to collect data from experiments and draw evidence.
3. Conduct experiments following prescribed instructions to collect data, and then draw conclusions concerning Newton's Laws of Motion, heat transfer, and electricity and apply these conclusions to real-world mechanical systems.
4. Apply significant figure rules to perform and report accurate scientific calculations in laboratory experiments and problem-solving exercises.
5. Analyze experimental data to determine the relationships between force, motion, temperature, and electrical energy, and explain these relationships using scientific principles.
6. Conduct experiments to observe chemical reactions, measure changes in properties, and analyze reaction outcomes based on scientific principles.

Physical Science (PHSC 10043)
This course presents an overview of essential topics from astronomy, physics, electricity, chemistry, geology and meteorology. Features biographies of some of the important contributors to advances in the physical sciences. The course does not satisfy science certification for secondary school teachers; it is not accepted as a major requirement in Any natural science field. Lecture meets three hours per week. Corequisite: PHS 10031 Physical Science Lab.
ACTS Equivalency Course ID: PHSC 1004 Physical Science. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Essentials of Math (MATH 02043) with a grade of C or higher. Corequisite: Physical Science Lab (PHSC 10041)	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply the scientific method of solving problems to collect data and draw evidence-based conclusions.
2. Apply significant figure rules to perform and report accurate scientific calculations.
3. Describe the effects of Newton's Law of Motion, heat and electricity on mechanical systems students commonly encounter, such as vehicles, electrical circuits, and thermal systems.
4. Describe the ways in which atoms chemically bond to form compounds, and the properties of those compounds.
5. Balance chemical equations and determine the type of chemical reactions they represent (decomposition, synthesis/combination, combustion, precipitation, acid-base, etc.) and explain the mole concept.

University Physics I Lab (PHYS 20301)
This laboratory course supports the Corequisite University Physics I lecture class and provides students with the opportunity to learn and practice working safely in a laboratory. Students will conduct experiments that illustrate the concepts covered in the lecture class. It is designed for science and engineering majors.
ACTS Equivalency Course ID: PHYS 2034 Calculus-Based Physics I. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Recommended Prerequisite: Calculus I (MATH 24004) with a grade of C or higher. Corequisite: University Physics I (PHYS 20303) AND Calculus I (MATH 24004)	Fall	Lecture: 0 Lab: 1	1

Course Learning Outcomes By the end of this course, students will be able to:
1. Complete Physics I laboratory investigations.
2. Collect measurements with uncertainty analysis.
3. Interpret data using calculus-based models.
4. Communicate results through clear graphs, tables, and written lab reports.

University Physics I (PHYS 20303)
This calculus-based physics course focuses on applying calculus to physical principles including mechanics (one and two dimensions), fluids, and heat. It is designed for science and engineering majors.
ACTS Equivalency Course ID: PHYS 2034 Calculus-Based Physics I. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Recommended Prerequisite: Calculus I (MATH 24004) with a grade of C or higher. Corequisite: University Physics I Lab (PHYS 20301) AND Calculus I (MATH 24004)	Fall	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe one- and two-dimensional motion both mathematically and graphically, including interpreting motion graphs to explain changes in position, velocity, and acceleration.
2. Solve problems involving constant acceleration, circular motion, and simple harmonic motion using calculus-based equations of motion.
3. Analyze the forces acting on an object using free-body and extended free-body diagrams including applying Newton's motion laws to predict physical behavior.
4. Apply conservation laws of momentum, energy, and angular momentum to analyze interactions in closed and isolated systems.
5. Use knowledge of how gravity works on Earth and in space to solve problems involving orbits and the motion of planets or satellites.
6. Summarize core principles of waves and thermodynamics, including wave parameters, standing waves, temperature, specific heat, entropy, and the laws of thermodynamics, and relate them to real-world physical systems.

University Physics II Lab (PHYS 20401)
This laboratory course supports the Corequisite University Physics II lecture class and provides students with the opportunity to learn and practice working safely in a laboratory. Students will conduct experiments that illustrate the concepts covered in the lecture class. It is designed for science and engineering majors.
ACTS Equivalency Course ID: PHYS 2044 Calculus-Based Physics II. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: University Physics I with Lab (PHYS 20303/PHYS 20301) OR Calculus I (MATH 24004) Recommended Prerequisite: Calculus II (MATH 25004) with a grade of C or higher. Corequisite: University Physics II (PHYS 20403) AND Calculus II (MATH 25004)	Spring	Lecture: 0 Lab: 1	1

Course Learning Outcomes By the end of this course, students will be able to:
1. Apply theoretical principles to perform experiments related to Physics II fundamental concepts.
2. Operate laboratory equipment to collect accurate and relevant data in physics experiments.
3. Interpret data using calculus-based models.
4. Communicate results through clear graphs, tables, and written lab reports.

University Physics II (PHYS 20403)
This calculus-based physics course is a continuation of PHYS 20303 and focuses on applying calculus to physical principles including electricity, magnetism, light, and geometric optics. It is designed for science and engineering majors.
ACTS Equivalency Course ID: PHYS 2044 Calculus-Based Physics II. Must successfully complete both lecture and lab component for equivalency.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: University Physics I with Lab (PHYS 20303/PHYS 20301) AND Calculus I (MATH 24004) Corequisite: University Physics II Lab (PHYS 20401) AND Calculus II (MATH 25004)	Spring	Lecture: 3 Lab: 0	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the principles of electric force and fields, electric potential, and Gauss's Law to summarize how they describe the behavior of charged particles.
2. Apply formulas related to capacitance, energy storage, current, and resistance to solve quantitative problems involving electric circuits.
3. Analyze DC and AC circuits using Ohm's Law, Kirchhoff's Rules, and concepts of inductance to predict voltage, current, and power in various components.
4. Analyze how magnetic forces and fields work in moving systems, and how electromagnetic induction is used in devices like generators and transformers.
5. Interpret Maxwell's Equations including explaining their significance in unifying electric and magnetic fields and describing electromagnetic wave propagation.
6. Demonstrate principles of geometrical optics (reflection, refraction) or wave optics (interference, diffraction) to explain real-world optical phenomena.

United States Government (PLSC 20003)
The introduction to the principles, structure, processes and functions of the United States federal government and other related political activities. Completion of English Composition I strongly recommended.
ACTS Equivalency Course ID: PLSC 2003 American National Government.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the structure and functions of state and local governments and how they operate within the framework of U.S. federalism and the U.S. Constitution.
2. Analyze the role of state constitutions in shaping government structure, lawmaking processes, and the balance of power within state and local institutions.
3. Evaluate the influence of political parties, interest groups, and campaign strategies on elections and policymaking at the state and local levels.
4. Apply knowledge of fiscal policies to assess how budgeting decisions impact public services and policy priorities in state and local governments.

PN Practicum I (PNUR 11055)
The student will provide direct patient care skills to adult patients. Emphasis is placed upon basic care, safety, and comfort of patients with a focus on body mechanics, nursing procedures, pharmacology, medical mathematics, laboratory and diagnostic procedures.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Successful completion of the Prerequisite courses and acceptance into the PN program. Corequisite: PN Theory I (PNUR 11210)	Fall	Lecture: 0 Clinical: 5	5

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the nursing process and identification of basic physical, mental, emotional, sociocultural and spiritual needs of the client.
2. Identify safe delivery of nursing care to restore, promote, maintain physical and mental health, and prevent illness.
3. Identify principles of growth and development, adapting care to meet physical, emotional, and social development for clients of all ages.
4. Identify legal and ethical principles in personal and vocational relationships, while assuming accountability and responsibility for delegation of duties to unlicensed personnel.
5. Comprehend competence in medication administration, return demonstration of medication administration skills, and adhere to medication administration guidelines that are within the scope of the student practical nurse.
6. Identify caring behaviors that promote client dignity, autonomy, and individually and seeking and attaining optimum health.
7. Assist in identifying learning needs specific to the individual's needs, developmental stage, and knowledge level.
8. Identify the role of the practical nurse, demonstrating competence and professionalism.

PN Theory I (PNUR 11210)
The knowledge, skills, and behaviors of the practical nurse are introduced. The focus is on the theoretical basis of fundamental/basic nursing concepts for adult patients. Course content focuses on an introduction to medical/surgical, geriatric, and psychiatric health care problems.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Successful completion of the Prerequisite courses and acceptance into the PN program. Corequisite: PN Practicum I (PNUR 11055)	Fall	Lecture: 10 Clinical: 0	10

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the nursing process and identification of basic physical, mental, emotional, sociocultural and spiritual needs of the client.
2. Identify safe delivery of nursing care to restore, promote, maintain physical and mental health, and prevent illness.
3. Identify principles of growth and development, adapting care to meet physical, emotional, and social development for clients of all ages.
4. Identify legal and ethical principles in personal and vocational relationships, while assuming accountability and responsibility for delegation of duties to unlicensed personnel.
5. Comprehend competence in medication administration, return demonstration of medication administration skills, and adhere to medication administration guidelines that are within the scope of the student practical nurse.
6. Identify caring behaviors that promote client dignity, autonomy, and individually and seeking and attaining optimum health.
7. Assist in identifying learning needs specific to the individual's needs, developmental stage, and knowledge level.
8. Identify the role of the practical nurse, demonstrating competence and professionalism.

PN Practicum II (PNUR 12055)
The student will provide direct patient care skills to patients of all ages. Stress is placed upon basic care, safety, and comfort of patients with a focus on body mechanics, nursing procedures, pharmacology, medical mathematics, laboratory and diagnostic procedures. Focus is on the role of the practical nurse in monitoring and administering medication, introduction to leadership/management and clinic nursing.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: PN Practicum I (PNUR 11055) AND PN Theory I (PNUR 11210). Corequisite: PN Theory II (PNUR 12110)	Spring	Lecture: 0 Clinical: 5	5

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the nursing process and identification of basic physical, mental, emotional, sociocultural and spiritual needs of the client.
2. Identify appropriate written and oral communication techniques with clients, family members, and associates with respect and empathy.
3. Use theory in clinical practice by functioning as a beginning member of the health care team, with a practical nurse scope of practice as outlined by the nurse practice act.
4. Identify safe delivery of nursing care to restore, promote, maintain physical and mental health, and prevent illness.
5. Identify principles of growth and development, adapting care to meet physical, emotional, and social development for clients of all ages.
6. Identify legal and ethical principles in personal and vocational relationships, while assuming accountability and responsibility for delegation of duties to unlicensed personnel.
7. Comprehend competence in medication administration, return demonstration of medication administration skills, and adhere to medication administration guidelines that are within the scope of the student practical nurse.
8. Identify caring behaviors that promote client dignity, autonomy, and individually and seeking and attaining optimum health.
9. Assist in identifying learning needs specific to the individual's needs, developmental stage, and knowledge level.
10. Identify the role of the practical nurse, demonstrating competence and professionalism.

PN Theory II (PNUR 12110)
This course builds upon the concepts taught in PN Theory I. The focus is on the theoretical nursing concepts for patients of all ages. Course content focuses on introduction to pediatrics and obstetrics while continuing to build upon medical/surgical, geriatric, and psychiatric health care problems.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: PN Practicum I (PNUR 11055) AND PN Theory I (PNUR 11210). Corequisite: PN Practicum II (PNUR 12055)	Spring	Lecture: 10 Clinical: 0	10

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the nursing process and identification of basic physical, mental, emotional, sociocultural and spiritual needs of the client.
2. Identify appropriate written and oral communication techniques with clients, family members, and associates with respect and empathy.
3. Use theory in clinical practice by functioning as a beginning member of the health care team, with a practical nurse scope of practice as outlined by the nurse practice act.
4. Identify safe delivery of nursing care to restore, promote, maintain physical and mental health, and prevent illness.
5. Identify principles of growth and development, adapting care to meet physical, emotional, and social development for clients of all ages.
6. Identify legal and ethical principles in personal and vocational relationships, while assuming accountability and responsibility for delegation of duties to unlicensed personnel.
7. Comprehend competence in medication administration, return demonstration of medication administration skills, and adhere to medication administration guidelines that are within the scope of the student practical nurse.
8. Identify caring behaviors that promote client dignity, autonomy, and individually and seeking and attaining optimum health.
9. Assist in identifying learning needs specific to the individual's needs, developmental stage, and knowledge level.
10. Identify the role of the practical nurse, demonstrating competence and professionalism.

PN Practicum III (PNUR 13052)
The student will provide direct patient care skills to patients of all ages. Stress continues to be placed upon basic care, safety, and comfort of patients with a focus on body mechanics, nursing procedures, pharmacology, medical mathematics, laboratory and diagnostic procedures. Emphasis is placed upon the role of the practical nurse in monitoring and administering medications and coordinating care for small groups of patients. Students will also complete the required number of hours working with an approved preceptor.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: PN Practicum II (PNUR 12055) AND PN Theory II (PNUR 12110). Corequisite: PN Theory III (PNUR 13054)	Summer	Lecture: 0 Clinical: 2	2

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the nursing process and identification of basic physical, mental, emotional, sociocultural and spiritual needs of the client.
2. Identify appropriate written and oral communication techniques with clients, family members, and associates with respect and empathy.
3. Use theory in clinical practice by functioning as a beginning member of the health care team, with a practical nurse scope of practice as outlined by the nurse practice act.
4. Identify safe delivery of nursing care to restore, promote, maintain physical and mental health, and prevent illness.
5. Identify principles of growth and development, adapting care to meet physical, emotional, and social development for clients of all ages.
6. Identify legal and ethical principles in personal and vocational relationships, while assuming accountability and responsibility for delegation of duties to unlicensed personnel.
7. Comprehend competence in medication administration, return demonstration of medication administration skills, and adhere to medication administration guidelines that are within the scope of the student practical nurse.
8. Identify caring behaviors that promote client dignity, autonomy, and individually and seeking and attaining optimum health.
9. Assist in identifying learning needs specific to the individual's needs, developmental stage, and knowledge level.
10. Identify the role of the practical nurse, demonstrating competence and professionalism.

PN Theory III (PNUR 13054)
This course builds upon the concepts taught in PN Theory I and II. The focus is on the theoretical nursing concepts for patients of all ages. Course content continues to build upon the concepts taught in pediatric, obstetric, medical/surgical, geriatric, and psychiatric health care problems.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: PN Practicum II (PNUR 12055) AND PN Theory II (PNUR 12110). Corequisite: PN Practicum III (PNUR 13052)	Summer	Lecture: 4 Clinical: 0	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the nursing process and identification of basic physical, mental, emotional, sociocultural and spiritual needs of the client.
2. Identify appropriate written and oral communication techniques with clients, family members, and associates with respect and empathy.
3. Use theory in clinical practice by functioning as a beginning member of the health care team, with a practical nurse scope of practice as outlined by the nurse practice act.
4. Identify safe delivery of nursing care to restore, promote, maintain physical and mental health, and prevent illness.
5. Identify principles of growth and development, adapting care to meet physical, emotional, and social development for clients of all ages.
6. Identify legal and ethical principles in personal and vocational relationships, while assuming accountability and responsibility for delegation of duties to unlicensed personnel.
7. Comprehend competence in medication administration, return demonstration of medication administration skills, and adhere to medication administration guidelines that are within the scope of the student practical nurse.
8. Identify caring behaviors that promote client dignity, autonomy, and individually and seeking and attaining optimum health.
9. Assist in identifying learning needs specific to the individual's needs, developmental stage, and knowledge level.
10. Identify the role of the practical nurse, demonstrating competence and professionalism.

General Psychology (PSYC 11003)

This course provides a critical analysis of the basic principles of psychology. Students will encounter theories and research relating to motivation, learning, personality, emotion, stress, abnormal behavior, methods of therapy, biology, developmental psychology, and social psychology. 3ACTS Equivalency Course ID: PSYC 1103 General Psychology.3333

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Compare and contrast major psychological schools of thought, including their historical foundations and key theoretical contributions.
2. Describe fundamental psychological research methods, including experimental design, data interpretation, and ethical considerations.
3. Explain how cognitive, biological, and social/cultural factors influence behavior and mental processes.
4. Apply psychological principles to analyze everyday situations and address real-world problems.

Abnormal Psychology (PSYC 20133)
This course provides an in-depth examination of abnormal behavior and mental disorders from psychological, biological, and sociocultural perspectives. Students will explore definitions and classifications of abnormality, historical and contemporary views of mental illness, and the diagnostic criteria outlined in the DSM.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: General Psychology (PSYC 11003)	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Summarize how historical and contemporary views have influenced the classification and understanding of abnormal behavior and mental disorders.
2. Describe the diagnostic criteria, symptoms, causes, and treatment approaches for psychological disorders.
3. Explain the legal, ethical, and psychological processes involved in criminal and civil commitment.

Developmental Psychology (PSYC 21003)
This course covers the physical, cognitive, and emotional growth and development of the individual from conception to death, including the examination of empirical findings and major psychological methods and theories.
ACTS Equivalency Course ID: PSYC 2103 Developmental Psychology.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe key research methods used in developmental psychology and explain how scientific inquiry informs understanding of human development.
2. Compare major theories of growth and development and explain how they apply across the human lifespan.
3. Analyze the psychosocial, biological, cognitive, and emotional aspects of development across all stages of life – from prenatal through late adulthood.

Introduction to Plant Science (PTSC 29103)
Agronomic and horticultural cropping systems including crop growth and development, crop physiology, crop ecology, environmental considerations and production and protection practices.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the stages of plant growth and development using scientific terminology related to plant anatomy and physiology.
2. Analyze the effects of soils composition, water availability, and nutrient management on plant health in various cropping systems.
3. Apply principles of integrated pest management (IPM) to identify control strategies for common pests, weeds, and diseases affecting crops.
4. Evaluate the role of biotechnology and genetic modification in crop improvement and agricultural sustainability.
5. Interpret environmental and ecological data to assess sustainable practices in plant production systems.

Introduction to Social Work (SCWK 20303)
This course provides an overview to the profession of social work. Students will be exposed to the history of the social work profession; understand the values, ethics, and philosophy of the social work profession; develop a basic understanding of current social work issues; and a general understanding of social work practices.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Describe the historical evolution and current state of the social work profession.
2. Explain key values, ethics, and philosophies of social work, including the NASW Code of Ethics.
3. Identify and discuss the social work values and policies that influenced the development of organized social work and continue to shape the profession today.
4. Demonstrate an introductory understanding of generalist social work practice within the empowerment framework.
5. Analyze how contemporary social issues affect vulnerable populations.
6. Describe the four foundational areas of social work education: policy, practice, human behavior and the social environment, and research.

Principles of Sociology (SOCI 10103)
Students gain an awareness of the relationship between individual experience and the wider society. This course promotes scientific examination of social institutions such as marriage, family, religion, education, health care, and political systems. Cultural assumptions regarding social stratification, gender, race, deviancy, and the environment are also discussed.
ACTS Equivalency Course ID: SOCI 1013 Introduction to Sociology.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Explain the relationship between individual experiences and broader societal structures, using sociological concepts.
2. Analyze the functions and dynamics of major social institutions, including marriage, family, religion, education, health care, and political systems.
3. Evaluate cultural assumptions and perspectives on social stratification, gender, race, deviancy, and environmental issues.
4. Apply sociological theories and methods to understand contemporary social issues and patterns.

Social Problems (SOCI 20103)
Students will apply sociological concepts and methods to the analysis of current social problems in the United States, including family and community disorganization, delinquency and crime, mental illness, and intergroup relations.
ACTS Equivalency Course ID: SOCI 2013 Social Problems.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze contemporary social problems in the United States using sociological concepts and frameworks.
2. Examine the causes and consequences of issues such as family and community disorganization, delinquency, crime, and mental illness.
3. Evaluate the impact of intergroup relations on social problems, including factors like race, ethnicity, and socioeconomic status.
4. Apply sociological methods to propose potential solutions to current social issues.

Spanish I (SPAN 10103)
Basic skills in listening to, speaking, reading, and writing beginning Spanish.
ACTS Equivalency Course ID: SPAN 1013 Spanish I.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

1. Listening: Understanding short learned and some sentence length utterances, particularly where context strongly supports understanding and speech is clearly audible.
2. Speaking: Respond to simple questions and statements involving learned materials.
3. Reading: Understand familiar written language as used in practical daily life involving learned vocabulary.
4. Writing: Write simple, fixed expressions, limited memorized material and some recombinations.
5. Culture: Demonstrate elementary knowledge of important aspects of contemporary Spanish – speaking culture.

Spanish II (SPAN 10203)
This course is a further development of skills practiced in SPA 1003 Spanish I.
ACTS Equivalency Course ID: SPAN 1023 Spanish II.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Spanish I (SPAN 10103)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

1. Listening: Understand short learned and some sentence-length utterances, particularly where context strongly supports understanding and speech is clearly audible.
2. Speaking: Respond to simple questions and statements involving learned materials.
3. Reading: Understand familiar written language as used in practical daily life involving learned vocabulary.
4. Writing: Write simple, fixed expressions, limited memorized material, and some recombinations.
5. Culture: Demonstrate elementary knowledge of important aspects of contemporary Spanish – speaking culture.

Spanish III (SPAN 20103)
This course focuses on intermediate development of Spanish language skills.
ACTS Equivalency Course ID: SPAN 2013 Spanish III.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Spanish II (SPAN 10203)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

1. Listening: Sustained understanding over longer stretches of connected discourse on a number of topics pertaining to different times and places.
2. Speaking: Participate successfully in uncomplicated communicative tasks and social situations. Initiate, sustain, and close a general conversation with a number of strategies appropriate to a range of circumstances and topics.
3. Reading: Read consistently with full understanding simple connected texts dealing with basic personal and social needs about which the reader has personal interest and/or knowledge.
4. Writing: Meet most practical writing needs and limited social demands. Can take notes in some detail on familiar topics and respond in writing to personal questions. Can write simple letters, brief synopses and paraphrases, summaries of biographical data, work and school experience.
5. Culture: Demonstrate increased knowledge and awareness of and sensitivity to important aspects of contemporary Spanish-speaking culture.

Spanish IV (SPAN 20203)
This course is a continuation of intermediate language skill development begun in SPA 20203 Spanish III.
ACTS Equivalency Course ID: SPAN 2023 Spanish IV

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: Spanish III (SPAN 20103)	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

1. Listening: Sustained understanding over longer stretches of connected discourse on a number of topics pertaining to different times and places.
2. Speaking: Participate successfully in uncomplicated communicative tasks and social situations. Initiate, sustain, and close a general conversation with a number of strategies appropriate to a range of circumstances and topics.
3. Reading: Read consistently with full understanding simple connected texts dealing with basic personal and social needs about which the reader has personal interest and/or knowledge.
4. Writing: Meet most practical writing needs and limited social demands. Can take notes in some detail on familiar topics and respond in writing to personal questions. Can write simple letters, brief synopses and paraphrases, and summaries of biological data, work and school experience.
5. Culture: Demonstrate increased knowledge and awareness of and sensitivity to important aspects of contemporary Spanish-speaking culture.

Oral Communication (SPCH 10003)

This course develops essential communication skills for personal, professional, and civic success, emphasizing compelling presentations, critical thinking, and effective listening across varied contexts, including digital environments. Through the composition of speeches and other oral presentations, students will gain confidence in crafting influential arguments and adapting their communication to diverse audiences. Moreover, the course integrates interpersonal and small group theory to improve competency in a range of communication settings.

ACTS Equivalency Course ID: SPCH 1003 Introduction to Oral Communication.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze and evaluate various forms of communication, demonstrating critical thinking and active listening skills.
2. Conduct ethical research and organize information effectively for oral presentations.
3. Deliver well-structured, compelling oral presentations that demonstrate effective verbal and nonverbal communication.
4. Apply knowledge of communication theory to improve communication practices and outcomes.
5. Adapt the use of presentation technology to the audience and presentation context, responding to audience feedback and technical challenges.

Technical Methods (TECH 10153)
Introduces professional concepts and skill sets required for successful careers in the disciplines of Industrial and Construction Technology. Students will be expected to demonstrate competencies in basic safety, construction mathematics, hand tools, power tools, construction drawings, material handling, basic rigging, basic communication skills, and basic employability skills.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Demonstrate safety principles and guidelines for construction and industrial work.
2. Calculate equations using essential math skills.
3. Demonstrate proper use and maintenance of hand and power tools.
4. Demonstrate career readiness communication skills.

Engineering Drawings (TECH 10253)
Provides instruction in the interpretation of mechanical part drawings, electrical schematic drawings, process piping and instrumentation diagrams, and other common drawings used in industry. Introduction to drawing tools and practice in drawing sketches are done in a lab setting.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 1 Lab: 2	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify and interpret all needed information of engineering drawings.
2. Perform calculations involving fractions, decimals, and the SI metric system for drawing interpretation.
3. Create engineering drawings, including all needed information to create desired projects.
4. Evaluate accuracy of print to manufactured part.

DC Electricity (TECH 10353)
Introduces the principles of DC electricity to include voltage, current, and resistance. Engineering notation, use of metric prefixes, and algebraic analysis of series and parallel circuits are taught. Laboratory experiments teach use of a digital multimeter to test components and to analyze circuits.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Define the fundamental concepts of DC electricity.
2. Describe the properties and applications of basic electronic components.
3. Calculate values in basic DC circuits using Ohm's Law and Kirchhoff's Law.
4. Construct operational DC circuits.
5. Demonstrate troubleshooting of common problems in DC circuits.
6. Identify values in DC circuits using a multimeter.

AC Electricity (TECH 10453)
This course introduces the principles of AC electricity to include capacitance and inductance. Series and parallel AC circuits are analyzed mathematically and in laboratory experiments. Instruction in the use of digital multimeters and the use of oscilloscopes is conducted in class and in laboratories.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite:	Fall	Lecture: 2	3
DC Electricity (TECH 10353)	Spring	Lab: 1	

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify the unique advantages of AC electricity.
2. Identify residential electrical components.
3. Illustrate wiring diagrams for common circuits.
4. Calculate hardware requirements for residential branch circuits.
5. Safely wire basic residential electrical circuits.
6. Utilize a multimeter to troubleshoot AC circuits.

Industrial Safety (TECH 20053)
This course provides the opportunity for students to explore the development of safety and health movement in the United States. The course focuses on identification of the causes and effects of accidents in the industrial workplace and covers several important topics including the Occupational Safety and Health Administration (OSHA), ergonomic factors, common hazards found in the workplace, and the roles of managers and health and safety personnel concerning industrial safety.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify and evaluate workplace hazards and their safety implications.
2. Create plans to mitigate workplace hazards.
3. Develop and demonstrate strategies to promote a culture of safety in the workplace.
4. Complete the OSHA 30 certification.

Electric Motor Control (TECH 20153)
This course provides theory and hands-on experience with electric motor controls. Topics include single and three-phase AC and DC motors, motor control circuits, wiring practices, control hardware, safe work practices, troubleshooting skills, and use of specialized electrical tools. Lab experiments will also include variable speed drives and AC inverter duty motors.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: AC Electricity (TECH 10453)	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify the components of motor control circuits.
2. Describe the basic functions of motor control circuits.
3. Construct motor control circuits.
4. Troubleshoot and correct common motor control circuit problems.

Industrial Technology Capstone (TECH 21054)

The Industrial Technology Capstone course provides an opportunity for students to demonstrate mastery of a broad range of learning objectives and outcomes from the Industrial Technology program at UACCB. The course provides instruction in process control and control fundamentals and presents students with problems requiring teamwork and integration of previous learning in electrical, mechanical, and electronics disciplines. Course assessments focus on application of applicable theory in a student-centered and student-directed manner requiring analysis and synthesis of Industrial Technology knowledge and skills in a laboratory environment. The course also focuses on Industrial Technology as a career by preparing students for employment through online job searches, preparation of resumes, site visits, and job fairs.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Spring	Lecture: 3 Lab: 1	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Design and construct an operational machine that fulfills a customer requirement.
2. Apply technical and problem-solving skills from previous coursework.
3. Work with classmates in a respectful and productive manner.

Mechanical Drive Systems (TECH 24303)
This comprehensive course covers installation, troubleshooting, and alignment and adjustment techniques and issues. In addition to mechanical drives, it addresses lubrication and the use, reading, and interpretation of various measuring instruments and devices.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Corequisite: Technical Mathematics (MATH 10103) OR College level math course.	Spring	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Identify industrial power transmission systems.
2. Describe the pros and cons of various industrial power systems.
3. Construct industrial power transmission systems.
4. Perform shaft alignment procedures to align an industrial motor with a fixed piece of driven equipment.
5. Troubleshoot and correct problems with various mechanical drive systems.

Theater (THTR 10003)
An introductory survey of theatre arts including history, dramatic works, stage techniques, production procedures, as it relates to the fine arts, society, and the individual.
ACTS Equivalency Course ID: DRAM 1003 Theatre Appreciation.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered but is accepted for transfer credit toward applicable degree requirements.	Lecture: 3 Lab: 0	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Identify key theatrical terms, major genres, styles, and historical periods in theatre arts.
2. Describe how theatrical performance reflects and influences social, cultural, and historical contexts and the function of theatre in society and individual expression.
3. Summarize the roles and contributions of various theatrical artists within the collaborative production process.
4. Critique a live theatre performance using appropriate theatrical terminology.

Commercial Vehicle Driving (TRDR 19107)
The Commercial Vehicle Driving course prepares students for entry into the trucking and logistics industry. Students explore career opportunities and requirements of a professional tractor trailer driver. Students study vehicle safety, accident prevention, operating regulations, cargo handling, documentation procedures, pre-trip preparation, vehicle inspection, maintenance, service, control procedures, backing, coupling, uncoupling, maneuvering, road and hazardous driving skills, and licensing requirements.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 6 Lab: 1	7

Course Learning Outcomes By the end of this course, students will be able to:

1. Conduct a comprehensive pre-trip vehicle inspection to identify potential safety hazards and ensure compliance with federal and state regulations.
2. Demonstrate proper cargo handling and documentation procedures to ensure compliance with industry regulations and safe transport.
3. Execute essential vehicle control maneuvers, including backing, turning, coupling, and uncoupling, with precision and safety.
4. Apply defensive driving techniques to safely operate a commercial vehicle under various road and environmental conditions, including hazardous driving scenarios.
5. Develop a detailed trip plan incorporating route selection, fuel management, and regulatory considerations to ensure efficient and compliant operations.

Foundations of Personal Finance (UNIV 10071)
This course introduces students to the importance of responsible money management both today and in the future. Topics include personal spending and budgeting, personal banking basics, credit scores, education financing, investing, retirement, and financial decision-making process.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 1 Lab: 0	1

Course Learning Outcomes By the end of this course, students will be able to:

1. Analyze the key components of responsible money management.
2. Evaluate the importance of financial planning.
3. Examine how educational financing operates and assess how that relates directly to you.

Strategies for College Success (UNIV 10173)
An orientation designed to assist students in developing strategies for meeting the demands of college life. Topics include making the transition to college, becoming motivated for success, managing one's time more effectively, reading a textbook, taking lecture notes and examinations, making decisions, seeking and selecting a career, and locating and using various campus resources.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 3 Lab: 0	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Evaluate the expectations and responsibilities of a college student.
2. Locate and utilize college and community resources.
3. Demonstrate effective time management and study skills.
4. Develop a plan for future college and career success.

Maintenance Welding (WELD 10053)
This course introduces students to the fundamentals of welding with an emphasis on safe work practices, proper tool use, and hands-on skill development. Students will learn basic welding processes, including Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW), and develop foundational skills in equipment setup, joint preparation, electrode and filler metal selection, and proper welding techniques. Instruction covers reading simple fabrication drawings, measuring and marking materials, and performing basic welds on various joint types. Emphasis is placed on weld quality, accuracy, and adherence to industry safety standards. Upon completion, students will be prepared for entry-level industrial maintenance welding roles or further training in welding and fabrication.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 0 Lab: 3	3

Course Learning Outcomes

By the end of this course, students will be able to:

1. Explain the safety procedures and proper use of welding equipment for SMAW, GMAW, and GTAW in an industrial maintenance environment.
2. Demonstrate proper setup, joint preparation, and welding techniques on basic butt, lap, and fillet joints using SMAW, GMAW, and GTAW.
3. Interpret basic fabrication drawings and measurements to accurately lay out welding projects according to specifications.
4. Evaluate the quality of welds by inspecting for defects, proper penetration, and adherence to industry welding standards.

Introduction to Thermal Cutting (WELD 10084)
Introduction to SMAW is purposed to provide secondary area career center welding students with the Prerequisite knowledge, skill sets, and required time on task to be academically successful in IND-1104 Welding I. This course is structured for students interested in learning the tools and equipment required to be an entry level employee in the welding industry. Students will gain hands-on experience with SMAW electrodes, Weld Quality, SMAW Beads and Fillet Welds. This course requires students to wear several items of person protection equipment. Contact the course instructor for the required list of welding equipment. Shop procedures are strictly enforced to maintain a safe and efficient learning environment.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered.	Lecture: 3 Lab: 1	4

Course Learning Outcomes By the end of this course, students will be able to:
1. Identify equipment utilized in thermal cutting, metal preparation, and welding.
2. Identify consumables utilized in thermal cutting, metal preparation, and welding.
3. Prepare and utilize thermal cutting equipment.
4. Prepare and utilize welding equipment.
5. Demonstrate safe practices while conducting cutting, metal preparation, and welding procedures.

Introduction to Sheet Metal (WELD 10783)
This class provides students with basic knowledge and practice with tools and equipment found in a residential metal shop. Pressure drops and velocity calculations necessary for duct design are covered. This laboratory intensive course provides students with considerable 'hands-on' practice with professional-grade tools found in a sheet metal shop.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	This course is not currently offered.	Lecture: 2 Lab: 1	3

Course Learning Outcomes By the end of this course, students will be able to:

1. Summarizes the history and development of the sheet metal trade, explains the benefits of apprenticeship training, and identifies career opportunities in the trade.
2. Describes the hand and power tools used in the sheet metal trade, including layout tools and cutting, bending, and forming machines. Includes safety and maintenance guidelines.
3. Introduces parallel line development, radial line development, and triangulation. Covers selection and use of layout, hand, and machine tools. Discusses how to transfer patterns, and how to cut, form, and assemble parts.
4. Builds on trainee's basic math skills to solve trade problems. Covers calculations using volume calculations, English-metric system convers basic geometry, and calculation of stretch outs.
5. Covers the steps involved in using the parallel line development method to lay out fittings and includes step-by-step procedures for selected fittings.
6. Addresses ductwork assembly, use of different types of sealants, using lifts, and installation of ductwork. Describes the types of fasteners (screws, nuts, bolts, and rivets) and supports used in an air distribution system. Discusses proper spacing of hangers, load ratings, and installation of hangers and support systems.
7. Describes how air distribution accessories, such as louvers, dampers, and access doors, function as part of an air distribution system. Includes installation guidelines and checklists.
8. Describes how to install fiberglass blanket, foam, and pipe insulation using approved adhesives and fastening techniques. Also includes the fabrication and installation of fitting covers and preformed fitting covers.

Sheet Metal Arc Welding (SMAW) (WELD 11084)
This course is designed for students interested in pursuing a career as a construction welder or in a repair shop. Throughout the program, students will delve into various aspects of welding, including safety measures, potential career paths, metallurgy, welding equipment and processes, welding electrical theory, and the interpretation of welding procedure specifications, welding drawings and symbols. The primary focus of this course is Shielded Metal Arc Welding (SMAW), and students will develop and showcase their welding skills through different joint designs such as inside corner, outside corner, lap, butt, "T", and open v-groove. Students will have opportunities to obtain American Welding Society certifications.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 0 Lab: 4	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Implement welding and shop safety protocols to minimize workplace incidents.
2. Develop expertise in interpreting welding procedure sheets, welding prints and symbols to facilitate effective communication.
3. Demonstrate efficiency in electrode selection and equipment setup for Shielded Metal Arc Welding.
4. Exhibit industry-standard welding skills in performing various joints with the process of Shielded Metal Arc Welding.

Gas Metal Arc Welding (GMAW) (WELD 12084)
This course is designed for students interested in pursuing a career as a production welder or fabricator. Throughout the program, students will delve into various aspects of welding, including safety measures, potential career paths, metallurgy, welding equipment and processes, welding electrical theory, and the interpretation of welding procedure specifications, welding drawings and symbols. The primary focus of their course is Gas Metal Arc Welding (GMAW) and students will develop and showcase their welding skills through different joining designs such as inside corner, outside corner, lap, butt, "T", and open v-groove. Students will have opportunities to obtain American Welding Society certifications.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring Summer	Lecture: 0 Lab: 4	4

Course Learning Outcomes By the end of this course, students will be able to:

1. Apply welding and shop safety protocols, reducing workplace incidents.
2. Develop expertise in interpreting welding procedure sheets, welding prints and symbols correlating to Gas Metal Arc Welding process to facilitate effective communication.
3. Demonstrate efficiency in electrode selection and equipment setup for Gas Metal Arc Welding.
4. Demonstrate industry-standard welding proficiency in executing various joints in the process of Gas Metal Arc Welding.

Gas Tungsten Arc Welding (GTAW) (WELD 13084)
This course is structured for students interested in employment as a production welder, in fabrication, or in a repair shop. Students will study welding safety, career opportunities, metallurgy, welding equipment and processes, welding electrical theory, and welding drawing/welding symbol interpretation. Students gain hands-on experience with basic Oxyfuel gas cutting, and Gas Tungsten Arc Welding (GTAW) in the American Welding Society 1G/F, 2G/F, 3G/F, and 4G/F positions on carbon steel, stainless steel and aluminum. Welding skills that will be developed and assessed include making GTAW stringer, weave, walking the cup, and overlapping beads, corner welds, fillet welds, V-groove welds, and open-root V-groove welds. This course requires students to wear several items of personal protection equipment. Shop procedures are explained, constantly emphasized, and strictly enforced. Students will have an opportunity to certify as American Welding Society Level I – Entry Welder, GTAW, Plate.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
	Fall Spring	Lecture: 0 Lab: 4	4

Course Learning Outcomes By the end of this course, students will be able to:
1. Apply welding and shop safety protocols, reducing workplace incidents.
2. Develop expertise in interpreting welding procedure sheets, welding prints and symbols correlating to Gas Tungsten Arc Welding process to facilitate effective communication.
3. Demonstrate efficiency in electrode selection and equipment setup for Gas Tungsten Arc Welding.
4. Demonstrate industry-standard welding proficiency in executing joints in the process of gas tungsten arc welding.

Pipe and Tube Welding (WELD 14084)
This course offers advanced training designed to prepare students for employment in pipeline construction, refineries, and the electrical power industry. Instruction covers welding safety, career opportunities, metallurgy, welding equipment and processes, electrical theory as it applies to welding, and the interpretation of welding drawings and symbols.
Students will gain extensive hands-on experience in advanced Oxyfuel welding and cutting, Shielded Metal Arc Welding (SMAW), and Gas Tungsten Arc Welding (GTAW), practicing in the American Welding Society (AWS) 2G, 5G, and 6G positions on 2-inch and 6-inch pipe and tubing. Welding skills will be developed on steel, stainless steel, and other alloys, with particular focus on SMAW and GTAW open-root radial welds.

Co/Prerequisites	Typical Term Offered	Contact Hours	Credit Hours
Prerequisite: A grade of C or higher in: SMAW (WELD 11084) AND GTAW (WELD 13084)	Fall Spring	Lecture: 0 Lab: 4	4

Course Learning Outcomes

By the end of this course, students will be able to:

1. Implement welding and shop safety protocols to minimize workplace incidents.
2. Demonstrate expertise in interpreting welding procedure sheets, welding prints and symbols to facilitate effective communication.
3. Demonstrate efficiency in electrode selection and equipment setup for Shielded Metal Arc Welding and Gas Tungsten Arc Welding.
4. Exhibit industry-standard welding skills in performing radial joint weld with the processes of Shielded Metal Arc Welding and Gas Tungsten Arc Welding.