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

Certificate of Proficiency

Degree	Required Credit Hours
Computer Programming	9
Computer Technology	9
Cybersecurity Fundamentals	12
Network and System Administration	9

Technical Certificate

Degree	Required Credit Hours
Computer Technology	30
Cybersecurity	21
Entrepreneurship	33
Management and Supervision	27
Software Development	30

Associate of Applied Science

Degree	Required Credit Hours
Computer Technology	60
Management and Supervision	60

Associate of Science

Degree	Required Credit Hours
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

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

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
Introduction to Cybersecurity	CESC 22363	3
System Security	CESC 21003	3
Fundamentals of Programming	CPSI 21563	3
Computer Ethics	CPSI 22063	3

Total Credit Hours Required for Credential Completion: 12

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 Network	CPSI 25063	3
Project Management	MGMT 20253	3

Total Credit Hours Required for Credential Completion: 9

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 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 Math	MATH 10103	3
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Total Credit Hours Required for Credential Completion: 30

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
Network Security	CESC 22433	3
Introduction to Cybersecurity	CESC 22363	3
System Security	CESC 21003	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

Technical Certificate Entrepreneurship

Program Learning Outcomes

- Develop and articulate a comprehensive business plan for a new venture, including market analysis, financial projections, and operational strategies.
- Demonstrate proficiency in fundamental business skills such as accounting, marketing, and basic legal concepts relevant to small business ownership.
- Apply creative problem-solving and critical thinking skills to address common challenges faced by entrepreneurs and small business owners.
- Utilize digital tools and technologies effectively for business management, marketing, and customer relationship management in a small business context.

Program Requirements

Course Name	Course Number	Credit Hours
Principles of Accounting I	ACCT 10003	3
Introduction to Entrepreneurship	BUSI 10033	3
Professional Selling and Advertising	BUSI 20033	3
Business Ethics	BUSI 21143	3
Feasibility and Funding	BUSI 21303	3
Small Business Management	BUSI 27543	3
English Composition I	ENGL 10103	3
Introduction to Computers	CPSI 10003	3
Principles of Management	MGMT 20163	3
Principles of Marketing	MKTG 25183	3

Math Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 33

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
Introduction to Cybersecurity	CESC 22363	3
English Composition I	ENGL 10103	3
Customer Relations Management	MGMT 10153	3
Principles of Leadership	MGMT 20053	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

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 Math	MATH 10103	3
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Total Credit Hours Required for Credential Completion: 30

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
English Composition I	ENGL 10103	3
Technical Writing for the Workplace	ENGL 20203	3
Oral Communication	SPCH 10003	3
Social Media Management	MGMT 10253	3

| **Project Management** | MGMT 20253 | 3 |

Math Requirement

3 credit hours from the following required:

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

Social Science Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Macroeconomics	ECON 22003	3
Microeconomics	ECON 11103	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

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
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
Principles of Leadership	MGMT 20053	3
Conflict Management	MGMT 20153	3
Principles of Management	MGMT 20163	3
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 Math	MATH 10103	3
College Algebra	MATH 11003	3
Quantitative Literacy	MATH 11103	3

Social Science 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

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
World Literature II	ENGL 21203	3

Life Science 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 Science 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 Science 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 Communication	BUSI 20103
Arkansas Tech University	Introduction to Business	BUSI 10103
Henderson State University	Business Communication	BUSI 20103
University of Central Arkansas	Business Communication	BUSI 20103
University of Arkansas Fort Smith	Business Communication	BUSI 20103
University of Arkansas Little Rock	Introduction to Business	BUSI 10103
University of Arkansas Monticello	Introduction to Business	BUSI 10103
University of Arkansas Pine Bluff	Introduction to Business	BUSI 10103

Total Credit Hours Required for Credential Completion: 62

General Education and Transfer

Certificate of General Studies

Degree	Required Credit Hours
General Studies	35
Teaching	9

Technical Certificate

Degree	Required Credit Hours
Teaching	31

Associate of Arts

Degree	Required Credit Hours
General Education	60
Teaching	60

Associate of Science

Degree	Required Credit Hours
Education	60
Pre-Engineering	60
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
Understanding Film	FILM 20203	3
Music	MUSC 10003	3
Introduction to Philosophy	PHIL 11003	3
Theater	THTR 10003	3

Computer Science 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

Life Science 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 Science Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Concepts of Chemistry Lab	CHEM 1213	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 Science 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
United States History I	HIST 21103	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

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 K12 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

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 K12 Educational Technology	EDHP 21063	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Math I	MATH 21043	3
Math II	MATH 21143	3
Oral Communication	SPCH 10003	3

Life Science 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

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 Science 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 Science Requirement

4 credit hours from the following required:

Course Name	Course Number	Credit Hours
Concepts of Chemistry Lab	CHEM 1213	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
Physics for Health Sciences	PHYS 20104	4
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Science 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
Developmental Psychology	PSYC 21003	3
Abnormal Psychology	PSYC 20133	3
Principles of Sociology	SOCI 10103	3
Social Problems	SOCI 20103	3

Program Elective Requirements

Students must select 12 credit hours of college-level credit from the general education core areas not already selected to meet other requirements within the degree program.

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

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	MATH 21043	3
Math II	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
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 Science 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 Science 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 Science 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
General Psychology	PSYC 11003	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Optional Elective

Students are not required to complete this course to complete the degree program, but may choose to complete the below optional elective toward credential completion. Completing this course does not substitute any of the above program requirements.

Course Name	Course Number	Credit Hours
Engaging All Learners	EDHP 20193	3

Total Credit Hours Required for Credential Completion: 60-63

Associate of Science Education

Program Learning Outcomes

- Demonstrate knowledge of child development theories and their application to diverse learners in elementary educational settings.
- Design and implement developmentally appropriate lesson plans aligned with state educational standards across core elementary subject areas.
- Apply effective classroom management strategies and create inclusive learning environments that support the social, emotional, and academic growth of all students.
- Develop professional communication skills to effectively collaborate with internal and external stakeholders.
- Increase proficiency with computation skills including understanding and applying mathematical concepts and reasoning as well as analyzing and using numerical data.

Program Learning Requirements

Course Name	Course Number	Credit Hours
Child Growth and Development	ECED 11003	3
Introduction to Education	EDHP 20093	3
Engaging All Learners	EDHP 20193	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	MATH 21043	3
Math II	MATH 21143	3
United States Government	PLSC 20003	3
Oral Communication	SPCH 10003	3
Foundations of Personal Finance	UNIV 10071	1

Education Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Liberal Arts in Elementary	EDHP 20293	3
Children's Literature in Elementary	EDHP 20493	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

Life Science 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 Science 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 Science 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

Total Credit Hours Required for Credential Completion: 60

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
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 Science 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	BIOL 20001	1
Microbiology	BIOL 20003	3
Concepts of Chemistry Lab	CHEM 12131	1
Concepts of Chemistry	CHEM 12143	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
Trigonometry*	MATH 12003	3
Statistics	MATH 21003	3
Calculus III	MATH 26004	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

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

Requirements for Credential Completion

To complete this program, students may need to complete certain courses through another institution and transfer them to UACCB. These courses may include:

- Introduction to Engineering (GNEG 11003)
- Calculus I, Calculus II, Calculus III (MATH 24004, MATH 25004, MATH 26004)

- University of Physics I Lab and Lecture (PHYS 20301 & PHYS 20303)
- University of Physics II Lab and Lecture (PHYS 20401 & PHYS 20403)

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

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	BIOL 10101	1
Biology for Majors	BIOL 10103	3
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
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 Science 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
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
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	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
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
Microbiology Lab	BIOL 20001	1
Microbiology	BIOL 20003	3
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
Trigonometry	MATH 12003	3
Statistics	MATH 21003	3
Survey of Calculus/Business Calculus	MATH 22003	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	PHSC 10031	1
Physical Science	PHSC 10043	3
Physics for Health Sciences	PHYS 20104	4
University Physics I Lab	PHYS 20301	3
University Physics I	PHYS 20303	1
University Physics II Lab	PHYS 20401	1
University Physics II	PHYS 20403	3
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

Nursing and Health Professions

Certificate of Proficiency

Degree	Required Credit Hours
Emergency Medical Technology Basic	7
Health Professions	13
Nursing Assistant	7
Patient Care Technician	17
Phlebotomy	7

Technical Certificate

Degree	Required Credit Hours
Emergency Medical Technology	38
Health Professions	26
Practical Nursing	36

Associate of Applied Science

Degree	Required Credit Hours
Emergency Medical Technology	64
Registered Nursing	67

Associate of Science

Degree	Required Credit Hours
Health Professions	60

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.
- Complete all program requirements with a grade of "C" or higher.

Total Credit Hours Required for Credential Completion: 7

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
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

Program Electives

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Computer Software Applications	CPSI 10563	3
Digital Literacy	CPSI 10663	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: 13

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

Certificate of Proficiency Patient Care Technician

Program Requirements

- 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

Total Credit Hours Required for Credential Completion: 17

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

Total Credit Hours Required for Credential Completion: 7

Technical Certificate Emergency Medical Techology 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 Pre-Requisites

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.

Total Credit Hours Required for Credential Completion: 38

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
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
Microbiology Lab	BIOL 20001	1
Microbiology	BIOL 20003	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	BIOL 24103	3
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 Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Program Electives

9 credit hours from the following required:

Course Name	Course Number	Credit Hours
Medical Terminology	ALHE 10503	3
Visual Art	ARHS 10003	3
Computer Software Applications	BUSI 10563	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

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
PN Practicum III	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)

Requirements for Program Entry and Completion

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

Total Credit Hours Required for Credential Completion: 49

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	ALHE 10503	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 Math	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 Science 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.

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

Total Credit Hours Required for Credential Completion: 64

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

Program Pre-Requisites

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 Professionals (MATH 12103)

Program Pre and Co Requisites

- General Psychology (PSYC 11003)

o Licensed Practical Nurse to Registered Nurse Track: must be completed as a pre requisite prior to program entry.
o Licensed Practical Nurse to Registered Nurse Online Track: must be completed as a pre requisite prior to program entry.
o Traditional Registered Nurse Track: must be completed as a pre -requisite 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

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
Math for Healthcare Professions	MATH 12103	3

Life Science 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 Science 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
University Physics I Lab	PHYS 20301	1
University Physics I	PHYS 20303	3

Social Science 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
Health Skills I	ALHE 15037	7
Nutrition	ALHE 20033	3
Health Assessment	ALHE 20103	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
Essentials of Anatomy and Physiology Lab	BIOL 10151	1
Essentials of Anatomy and Physiology	BIOL 10253	3
Microbiology Lab	BIOL 20001	1
Microbiology	BIOL 20003	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
Computer Software Applications	BUSI 10563	3
Digital Literacy	BUSI 10663	3
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
Trigonometry	MATH 12003	3
Math for Healthcare Professions	MATH 12103	3
Statistics	MATH 21003	3
Calculus I	MATH 24004	4
Physical Science Lab	PHSC 10031	1
Physical Science	PHSC 10043	3
Physics for Health Sciences	PHYS 20104	4
Abnormal Psychology	PSYC 20133	3
Developmental Psychology	PSYC 21003	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

Human Services

Certificate of Proficiency

Degree	Required Credit Hours
Cosmetology Instructor	18
Early Childhood Education	9

Technical Certificate

Degree	Required Credit Hours
Cosmetology	42
Early Childhood Education	27

Associate of Applied Science

Degree	Required Credit Hours
Early Childhood Education	60

Associate of Science

Degree	Required Credit Hours
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

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

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
Environments for Young Children	ECED 12043	3
Field Experience	ECED 13003	3

Total Credit Hours Required for Credential Completion: 12

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

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
Environments for Young Children	ECED 12043	3
Field Experience	ECED 13003	3
Child Guidance	ECED 20043	3
English Composition I	ENGL 10103	3
Technical Math	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

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 Learning Outcomes

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
Environments 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
Literacy/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 K12 Educational Technology	EDHP 21063	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
Technical Math	MATH 11003	3
Oral Communication	SPCH 10003	3

Social Science 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

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	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 Science 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 Science 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 20301n	1
University Physics I		3
	PHYS 20303	

Total Credit Hours Required for Credential Completion: 60

Skilled Trades and Agriculture

Certificate of Proficiency

Degree	Required Credit Hours
Agriculture Business	9
Animal Science	9
Carpentry	6
CNC Operator	14
Commercial Vehicle Driving	7
Compact Equipment Operator	8
Drafting and Design	12
Drywall Installation and Finishing	12
Heating, Ventilation, and Air Conditioning	15
Heavy Equipment Operations	15
Masonry	12
Plant Science	9
Skilled Trades	13-15
Soil Science	9
Welding	13

Technical Certificate

Degree	Required Credit Hours
Agriculture Business	30
Agriculture Technology	24
Air Conditioning, Heating, and Refrigeration Technology	30
CNC Production Technician	35
Heavy Equipment Operations	22
Mechatronics	27
Skilled Trades	31
Welding Technology	28

Associate of Applied Science

Degree	Required Credit Hours
General Technology	60
Industrial Technology	60

Associate of Science

Degree	Required Credit Hours
Agriculture Business	60
Agriculture Technology	60

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

Certificate of Proficiency Animal Science

Program Learning Objectives

- Analyze concepts in animal science, including nutrition, reproduction, and management, to address challenges in animal agriculture.
- Communicate effectively about animal science and agricultural topics through professional presentations and discussions.
- Apply critical thinking to evaluate the economic, social, and ethical aspects of animal production systems.
- Collaborate with peers, industry experts, and the community to integrate knowledge from animal science into practical agricultural applications.
- Demonstrate skills in utilizing academic and professional resources to advance knowledge and career readiness in animal agriculture.

Program Requirements

Course Name	Course Number	Credit Hours
Making Connections in Agriculture	AGRI 19003	3
Introduction to Animal Science	ANSC 19303	3
Oral Communication	SPCH 10003	3

Total Credit Hours Required for Credential Completion: 9

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

Certificate of Proficiency CNC Operator

Program Learning Outcomes

- Demonstrate workplace safety protocols and organization in a CNC machining environment.
- Set up and operate CNC machines for both lathe and milling operations.
- Interpret basic blueprints and perform basic metrology to ensure precise manufacturing outcomes.
- Solve basic job-related math problems necessary for CNC operations.
- Perform appropriate maintenance and troubleshooting on CNC machines to ensure optimal operation and minimize downtime.

Program Requirements

Course Name	Course Number	Credit Hours
CNC Operator I	MSTE 10147	7
CNC Operator II	MSTE 10237	7

Total Credit Hours Required for Credential Completion: 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

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

Certificate of Proficiency Drafting and Design

Program Learning Outcomes

- Demonstrate proficiency in mechanical and electrical computer-aided drafting using AutoCAD, showcasing technical skills and precision.
- Develop effective communication and collaboration skills for team-based drafting projects.
- Master the correct use of drafting tools and equipment, emphasizing safety practices in the workplace.
- Apply critical mathematical concepts, integrate AutoCAD seamlessly, and exhibit problem-solving and project management abilities in compliance with industry standards.

Program Requirements

Course Name	Course Number	Credit Hours
Computer Aided Drafting and Design	AMST 20303	3
Technical Methods	TECH 10153	3
Engineering Drawings	TECH 10253	3
Industrial Safety	TECH 20053	3

Total Credit Hours Require for Credential Completion: 12

Certificate of Proficiency Drywall and Finishing

Program Learning Outcomes

- Apply technical knowledge and skills to install, tape, and plaster drywall in both interior and exterior construction projects.
- Receive instruction in drywall handling, transport, cutting, mounting, taping, spackling, finishing, and other relevant techniques.
- Develop expertise in job analysis and estimation, considering factors such as materials, time, and labor.
- Acquire knowledge in site safety, including awareness of potential hazards and implementation of safety measures.
- Gain proficiency in the operation and maintenance of tools used in drywall installation.
- Interpret blueprints and specifications related to drywall construction, ensuring accurate implementation of project requirements.
- Familiarize oneself with applicable codes and standards governing drywall installation.
- Demonstrate the safe application of technical knowledge and skills through participation in a comprehensive project-based learning environment.

Program Requirements

Course Name	Course Number	Credit Hours
Drywall Installation and Finishing	CTTE 10306	6
Technical Methods	TECH 10153	3
Industrial Safety	TECH 20053	3

Total Credit Hours Required for Credential Completion: 12

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

Certificate of Proficiency Heavy Equipment Operations

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

Certificate of Proficiency Masonry

Program Learning Outcomes

- Apply technical knowledge and skills in the laying and/or setting of exterior brick, concrete block, hard tile, or related materials using hand tools such as trowels, levels, hammers, chisels, etc.
- Receive introductory instruction in technical mathematics, emphasizing foundational mathematical concepts relevant to masonry work.
- Learn blueprint reading skills to interpret construction plans and specifications for accurate implementation of masonry projects.
- Gain expertise in structural masonry, including the construction and placement of load-bearing elements.
- Acquire skills in decorative masonry, exploring techniques to enhance the aesthetic appeal of masonry structures.
- Study foundations, reinforcement methods, and mortar preparation to ensure structural integrity and stability.
- Develop proficiency in cutting and finishing techniques for precise and polished masonry work.
- Familiarize oneself with applicable codes and standards governing masonry construction.
- Demonstrate the safe application of technical knowledge and skills through participation in a comprehensive project-based learning environment.

Program Requirements

Course Name	Course Number	Credit Hours
Masonry I	CTTE 10106	6
Technical Methods	TECH 10153	3
Industrial Safety	TECH 20053	3

Total Credit Hours Required for Credential Completion: 12

Certificate of Proficiency Plant Science

Program Learning Outcomes

- Analyze plant growth, development, and environmental impacts using foundational plant science principles.
- Deliver professional presentations on agricultural and plant science topics with effective oral communication skills.
- Apply critical thinking to evaluate plant ecosystems, land use, and crop management practices.
- Collaborate with peers, industry experts, and the community to connect academic knowledge with real-world agricultural applications.
- Demonstrate academic and professional skills necessary for career readiness in agriculture.

Program Requirements

Course Name	Course Number	Credit Hours
Making Connections in Agriculture	AGRI 19003	3
Introduction to Plant Science	PTSC 29103	3
Oral Communication	SPCH 10003	3

Total Credit Hours Required for Credential Completion: 9

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

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

Construction Concentration

Course Name	Course Number	Credit Hours
Carpentry I	CTTE 10206	6

Mechatronics Concentration

Course Name	Course Number	Credit Hours
DC Electricity	TECH 10353	3
AC Electricity	TECH 10453	3

Welding Concentration

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

Total Credit Hours Required for Credential Completion: 13-15

Certificate of Proficiency Soil Science

Program Learning Outcomes

- Analyze soil properties and management practices to support sustainable agriculture.
- Deliver professional presentations on agricultural topics using effective communication skills.
- Apply critical thinking to interpret soil data and solve agricultural challenges.
- Collaborate with peers and industry professionals to connect learning with real-world applications.
- Utilize academic and professional resources to advance skills in soil science and agriculture.

Program Requirements

Course Name	Course Number	Credit Hours
Making Connections in Agriculture	AGRI 19003	3
Soils	CSES 20203	3
Oral Communication	SPCH 10003	3

Total Credit Hours Required for Credential Completion: 9

Certificate of Proficiency Welding

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.
- Solve mathematical problems to properly convert units of measurement based upon industrial applications.
- Effectively demonstrate safe use of precision measuring devices.
- Interpret construction and electrical blueprints.

Program Requirements

Course Name	Course Number	Credit Hours
Technical Methods	TECH 10153	3
Engineering Drawings	TECH 10253	3
Industrial Safety	TECH 20053	3
Welding 1	WELD 11084	4

Total Credit Hours Required for Credential Completion: 13

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

Technical Certificate Agriculture Technology

Program Learning Outcomes

- Apply foundational knowledge in soil science, plant science, animal science, and agricultural business to address challenges in agricultural technology.
- Communicate effectively through written and oral presentations, demonstrating proficiency in agricultural terminology and concepts.
- Use critical thinking and quantitative skills to analyze data, evaluate systems, and develop sustainable solutions in agricultural operations.
- Integrate knowledge across agricultural disciplines to solve real-world problems and adapt to advancements in agricultural technology.
- Demonstrate professional readiness through collaboration, effective resource management, and preparation for careers in modern agriculture.

Program Requirements

Course Name	Course Number	Credit Hours
Introduction to Agriculture Business	AGEC 19203	3
Making Connections in Agriculture	AGRI 19003	3
Introduction to Animal Science	ANSC 19303	3
Soils	CSES 20203	3
English Composition I	ENGL 10103	3
College Algebra	MATH 11003	3
Introduction to Plant Science	PTSC 29103	3
Oral Communication	SPCH 10003	3

Total Credit Hours Required for Credential Completion: 24

Technical Certificate Air Conditioning, Heating, and Refrigeration Technology

Program Learning Outcomes

- Understand the basic properties of the arithmetic of signed numbers, fractions, and decimals as well as the fundamental operations of algebra.
- Understand the basic principles of geometry including formulas for calculating area and volume of polygons.
- Understand the properties of solving elementary algebraic equations, manipulating formulas, ratios and proportions, and translating words into algebraic symbols.
- Understand the basic properties of right-angle trigonometry.
- Understand basic statistics.
- Read and follow basic instructions.
- Effectively use Standard English and technology to correspond professionally within the standard guidelines of business writing
- Identify and resolve problems by investigating appropriate courses of action
- Support different points of view with clarity, good research, credible evidence, and academic argument.
- Resolve conflicts by using sound reasoning.
- Demonstrate a commitment to excellence and good teamwork.

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 Math	MATH 10103	3
College Algebra	MATH 11003	3

Total Credit Hours Required for Credential Completion: 30

Technical Certificate CNC Production Technician

Program Learning Outcomes

- Program and set up CNC machining equipment for the accurate production of parts, ensuring adherence to blueprint specifications.
- Set up and produce parts using manual mills and lathes.
- Solve advanced job-related math problems and apply mathematical concepts necessary for CNC machining.
- Demonstrate professional conduct through communication and teamwork.
- Perform appropriate maintenance and troubleshooting on CNC equipment to ensure optimal operation and minimize downtime.

Program Requirements

Course Name	Course Number	Credit Hours
Technical Writing for the Workplace	ENGL 20203	3
Technical Math*	MATH 10103	3
CNC Operator I	MSTE 10147	7
CNC Operator II	MSTE 10237	7
CNC Production Technician I	MSTE 10337	7
CNC Production Technician II	MSTE 10437	7

Or higher-level math course

Total Credit Hours Required for Program Completion: 34

Technical Certificate Heavy Equipment Operations

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

Technical Certificate Mechatronics

Program Learning Outcomes

- Apply electrical circuitry principles and demonstrate advanced programming skills for mechatronics projects.
- Proficiently interface with various sensors and showcase expertise in actuating servo motors within embedded robotic systems.
- Demonstrate proficiency in serial communications, autonomously controlling and managing robotic systems through successful project integration.
- Apply lower-level programming concepts to solve real-world exercises, demonstrating practical skills.
- Demonstrate competence in utilizing computer numerical control machines, while exhibiting knowledge of safety practices and integrating diverse technical skills for complex mechatronics problem-solving.

Program Requirements

Course Name	Course Number	Credit Hours
Computer Aided Drafting and Design	AMST 20303	3
Robotics	AMST 21303	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

English and Writing Requirement

3-4 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 Math	MATH 10103	3
College Algebra	MATH 11003	3

Total Credit Hours Required for Credential Completion: 27

Technical Certificate Skilled Trades

Program Learning Outcomes

- Apply safety principles and protocols in industrial, construction, and electrical settings to ensure safe and effective work environments.
- Utilize technical math, engineering drawings, and computer-aided drafting tools to solve trade-specific problems and create industry-standard designs.
- Operate hand tools, power tools, and specialized equipment with proficiency to perform tasks in carpentry, drafting, and electrical work.
- Interpret and produce detailed blueprints and schematics for construction and industrial applications.
- Communicate technical information effectively through written reports, technical drawings, and workplace correspondence.

Program Requirements

Course Name	Course Number	Credit Hours
Computer Aided Drafting and Design	AMST 20303	3
Carpentry I	CTTE 10206	6
Technical Writing for the Workplace	ENGL 20203	3
Technical Math	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

Total Credit Hours Required for Credential Completion: 30

Technical Certificate Welding Technology

Program Learning Objectives

- Create part designs, floor plan layouts, and assemblies on computer aided drafting software.
- Understand the basic properties of the arithmetic of signed numbers, fractions, and decimals as well as the fundamental operations of algebra.
- Understand the basic principles of geometry including formulas for calculating area and volume of polygons.
- Understand the properties of solving elementary algebraic equations, manipulating formulas, ratios and proportions, and translating words into algebraic symbols
- Understand the basic properties of right-angle trigonometry.
- Understand basic statistics.
- Read and follow basic instructions.
- Effectively use Standard English and technology to correspond professionally within the standard guidelines of business writing.
- Identify and resolve problems by investigating appropriate courses of action.
- Support different points of view with clarity, good research, credible evidence, and academic argument.
- Resolve conflicts by using sound reasoning.
- Demonstrate a commitment to excellence and good teamwork.

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
Welding 1	WELD 11084	4
Welding 2	WELD 12084	4
Welding 3	WELD 13084	4

Math Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 27

Associate of Applied Science General Technology

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.
- Develop professional work habits, ethics, and interpersonal skills.
- Acquire and apply technical skills relevant to the select technical fields.

Program Requirements

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

Computer Science Requirement

3 credit hours from the following required:

Course Name	Course Number	Credit Hours
Computer Software Applications	BUSI 10563	3
Introduction to Computers	CPSI 10003	3

English and Writing Requirement

3 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Social Science 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
United States History I	HIST 21103	3
Arkansas History	HIST 25503	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
Introduction to Cultural Geography	GEOG 21103	3
General Psychology	PSYC 11003	3
Abnormal Psychology	PSYC 21003	3
Developmental Psychology	PSYC 21003	3
Principles of Sociology	SOCI 10103	3

Program Technical/Occupational Core

Students must complete 42 credit hours from any of the following technical/occupational majors:

- Business
- CNC Production Technician
- Computer Technology
- Cosmetology
- Cybersecurity
- Entrepreneurship
- Heavy Equipment Operations
- Management and Supervision
- Mechatronics
- Software Development
- Skilled Trades

Total Credit Hours Required for Credential Completion: 60

Associate of Applied Science Industrial Technology

Program Learning Outcomes

- The student will gain a basic knowledge of the components of a Programmable Logic Control (PLC) system.
- The student will learn basic techniques to troubleshoot a PLC system.
- The student will gain basic knowledge about ladder logic diagrams.
- The student will learn basic procedures for programming a PLC.
- Know and apply physics laws and principles to situations likely to be encountered in the Industrial Technology environment.
- Synthesize understanding of physics laws and principles by applying knowledge to new and theoretical situations.
- Apply teamwork, problem solving, and troubleshooting skills to complete exercises and laboratory experiments efficiently, effectively, and creatively.
- Identify various components of an industrial motor control circuit.
- The student will demonstrate basic techniques for troubleshooting an industrial motor control circuit.
- Demonstrate fundamental knowledge about industrial symbols and diagrams.
- Display competency in connecting basic circuits for time delays, level controls, and rotation reversals for industrial motor control.
- The student will gain a basic knowledge of delta and WYE transformer connections used in power distribution systems.
- Reinforce essential Industrial Technology knowledge and skills through a Capstone based project.
- Apply knowledge and skills from previous courses to conceive, design, build, test, and operate an industrial machine.
- Respond appropriately to various rhetorical situations, purposes, and audiences.
- Use writing and reading for inquiry, learning, thinking, and communicating.
- Integrate original ideas with those of others.
- Develop flexible strategies for generating, revising, editing, and proof-reading.
- Use collaborative writing processes.
- Demonstrate knowledge of structure, paragraphing, tone, mechanics, syntax, grammar, and documentation
- Create and format Word documents, tables, and graphics.
- Create and format Excel workbooks and charts, and use Excel functions and tables.
- Create Access databases, tables, queries, forms, and reports.
- Create and format PowerPoint presentations, and present data using tables, charts, and animation.

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
English Composition I	ENGL 10103	3
Technical Writing for the Workplace	ENGL 20203	3
Technical Math	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
Electronic Motor Control	TECH 20153	3
Industrial Technology Capstone	TECH 21054	4
Foundations of Personal Finance	UNIV 10071	1

Computer Science 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 Science 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.

Construction Concentration

12 credit hours from the following required:

Course Name	Course Number	Credit Hours
Masonry I	CTTE 10106	6
Carpentry I	CTTE 10206	6
Drywall Installation and Finishing	CTTE 10306	6

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

Mechatronics Concentration

Course Name	Course Number	Credit Hours
Robotics	AMST 21303	3
Introduction to CNC Machinery	AMST 22333	3
Internship	BUSI 26543	3
Mechanical Drive Systems	TECH 24303	3

Welding Concentration

Course Name	Course Number	Credit Hours
Welding 1	WELD 11084	4
Welding 2	WELD 12084	4

Total Credit Hours Required for Credential Completion: 60

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
Agriculture Science Lab	AGRI 19001	1
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	BIOL 10101	1
Biology for Majors	BIOL 10103	3
Business Statistics	BUSI 21003	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
College Algebra	MATH 11003	3
Oral Communication	SPCH 10003	3

Agriculture Requirement

6 credit hours from the following required:

Course Name	Course Number	Credit Hours
Introduction to Animal Science	ANSC 19303	3
Soils	CSEC 20203	3
Introduction to Plant Science	PTSC 29103	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

Social Science 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

Associate of Science Agriculture Technology

Program Learning Outcomes

- Evaluate agricultural systems by applying principles of soil science, plant science, and animal science to recommend solutions for sustainable operations.
- Use mathematical reasoning and technical tools, such as data analysis and industry software, to solve practical problems in agricultural business and production.
- Develop written and oral presentations that synthesize research, data, and technical knowledge to address agricultural challenges effectively.
- Collaborate on projects that assess agricultural practices, demonstrating the ability to integrate business principles with environmental and production goals.
- Analyze the impacts of agricultural policies and market trends through research and evaluation, demonstrating informed decision-making and ethical responsibility.

Program Requirements

Course Name	Course Number	Credit Hours
Agriculture Science Lab	AGRI 19001	1
Making Connections in Agriculture	AGRI 19003	3
Introduction to Agriculture Business	AGRI 19203	3
Agriculture Internship	AGRI 29303	3
Introduction to Animal Science	ANSC 19303	3
Biology for Majors Lab	BIOL 10101	1
Biology for Majors	BIOL 10103	3
Statistics	BUSI 21003	3
College Chemistry I Lab	CHEM 14101	1
College Chemistry I	CHEM 14103	3
Soils	CSEC 20203	3
Macroeconomics	ECON 21003	3
English Composition I	ENGL 10103	3
English Composition II	ENGL 10203	3
College Algebra	MATH 11003	3
Introduction to Plant Science	PTSC 29103	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

Social Science Requirement

9 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