Degrees and Certificates

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

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

Business and Computer Science

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

General Education and Transfer

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

Nursing and Health Professions

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

Human Services

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

Skilled Trades and Agriculture

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

Business and Computer Science

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

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

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

Business Degrees	Required Credit Hours
Associate of Science Business	62

Certificate of Proficiency Computer Programming

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

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

Certificate of Proficiency Computer Technology

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

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

Certificate of Proficiency Network and System Administration

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

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

Technical Certificate Computer Technology

Program Learning Outcomes

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

Program Requirements

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

English and Writing Requirement

3 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence

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

Technical Certificate Software Development

Program Learning Outcomes

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

Program Requirements

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

English and Writing Requirement

3 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence

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

Associate of Applied Science Computer Technology

Program Learning Outcomes

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

Program Requirements

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

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

Math Requirement

3 credit hours from the following required:

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

English Requirement

3 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Applied Science Computer Technology

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

Certificate of Proficiency Cybersecurity Fundamentals

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 12

Suggested Course Sequence

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

Technical Certificate Cybersecurity

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 21

Suggested Course Sequence

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

Technical Certificate Management and Supervision

Program Learning Outcomes

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

Program Requirements

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

Finance Requirement

3 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 27

Suggested Course Sequence – Technical Certificate Management and Supervision

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

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

Associate of Applied Science Management and Supervision

Program Learning Outcomes

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

Program Requirements

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

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

Finance Requirement

3 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Applied Science Management and Supervision

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

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

Associate of Science Business

Program Learning Outcomes:

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

Program Requirements

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

Fine Arts and Humanities Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

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

Life Sciences Requirement

4 credit hours from the following required:

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

Physical Sciences Requirement

4 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Program Elective Requirement

3 credit hours from the following required:

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

Recommended program Elective Selection

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

Total Credit Hours Required for Credential Completion: 62

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

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

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

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

General Education and Transfer

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

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

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

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

Certificate of General Studies

Program Learning Outcomes

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

Program Requirements

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

Fine Arts and Humanities Requirement

3 credit hours from the following required:

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

Computer Sciences Requirement

3 credit hours from the following required:

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

Life Sciences Requirement

4 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Physical Sciences Requirement

4 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Total Credit Hours for Credential Completion: 35

Suggested Course Sequence

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

Associate of Arts General Education

Program Learning Objectives

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

Program Requirements

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

Fine Arts and Humanities Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

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

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

Life Sciences Requirement

4 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Physical Sciences Requirement

4 credit hours from the following required:

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

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

Social Sciences Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

9 credit hours from the following required:

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

Course Name	Course Number	Credit Hours
Social Problems	SOCI 20103	3

Program Elective Requirements

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

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

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

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence

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

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

Certificate of Proficiency Teaching

Program Learning Outcomes

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

Program Requirements

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

Program Electives

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

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

Technical Certificate Teaching

Program Learning Objectives

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

Program Requirements

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

Life Sciences Requirement

4 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Program Electives

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 31

Suggested Course Sequence

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

Associate of Arts Teaching

Program Learning Outcomes

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

Program Requirements

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

Fine Arts and Humanities Requirement

3 credit hours from the following required:

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

Course Name	Course Number	Credit Hours
Theater	THTR 10003	3

3 credit hours from the following required:

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

Life Sciences Requirement

4 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Physical Sciences Requirement

4 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Optional Elective

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

Total Credit Hours Required for Credential Completion: 60-63

Suggested Course Sequence – Associate of Arts Teaching

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

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

Associate of Science Pre-Engineering

Program Learning Outcomes

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

Program Requirements

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

Fine Arts and Humanities

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Program Electives

14 credit hours from the following required:

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

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

Requirements for Credential Completion

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

Program Notes

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

Total Credit Hours Required for Credential Completion: 60

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

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

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

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

Associate of Science STEM

Program Learning Outcomes

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

Program Requirements

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

Fine Arts and Humanities Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Science Requirement

8 credit hours from the following required:

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

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

Social Sciences Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Program Elective Requirement

25 credit hours required form the following:

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

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

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Science STEM Biology Concentration

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

Suggested Course Sequence – Associate of Science STEM Chemistry Concentration

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

Suggested Course Sequence – Associate of Science STEM Mathematics Concentration

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

Nursing and Health Professions

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

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

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

Certificate of Proficiency Emergency Medical Technology Basic

Program Learning Outcomes

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

Program Requirements

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

Requirements for Program Entry and Completion

To complete this program, students must:

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

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

Total Credit Hours Required for Credential Completion: 7

Program Course Sequence

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

Technical Certificate Emergency Medical Technology Paramedic

Program Learning Outcomes

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

Program Requirements

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

Program Prerequisites

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

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

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

Requirements for Program Entry and Completion

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

Students must:

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

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

Total Credit Hours Required for Credential Completion: 38

Program Course Sequence

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

Associate of Applied Science Emergency Medical Technology Paramedic

Program Learning Outcomes

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

Program Requirements

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

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

Social Sciences Requirement

3 credit hours from the following required:

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

Requirements for Program Entry and Completion

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

Students must:

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

Total Credit Hours Required for Credential Completion: 64

Suggested Course Sequence

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

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

Certificate of Proficiency Nursing Assistant

Program Learning Outcomes

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

Program Requirements

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

Requirements for Program Entry and Completion

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

Total Credit Hours Required for Credential Completion: 7

Program Course Sequence

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

Certificate of Proficiency Phlebotomy

Program Learning Outcomes

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

Program Requirements

Course Name	Course Number	Credit Hours
Phlebotomy	ALHE 16037	7

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

Total Credit Hours Required for Credential Completion: 7

Program Course Sequence

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

Certificate of Proficiency Patient Care Technician

Program Learning Outcomes

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

Program Requirements

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

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

Total Credit Hours Required for Credential Completion: 17

Suggested Course Sequence

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

Certificate of Proficiency Health Professions

Program Learning Outcomes

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

Program Requirements

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

Math Requirement

3 credit hours from the following required:

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

Science Requirement

4 credit hours from the following required:

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

Program Electives

6 credit hours from the following required:

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

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

Total Credit Hours Required for Credential Completion: 16

Suggested Course Sequence

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

Technical Certificate Health Professions

Program Learning Outcomes

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

Program Requirements

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

Math Requirement

3 credit hours from the following required:

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

Science Requirement

8 credit hours from the following required:

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

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

Program Electives

9 credit hours from the following required:

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

Total Credit Hours Required for Program Completion: 26

Suggested Course Sequence – Technical Certificate Health Professions

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

Associate of Science Health Professions

Program Learning Outcomes

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

Program Requirements

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

Fine Arts and Humanities Requirement

3 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Life Sciences Requirement

4 credit hours from the following required:

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

Physical Sciences Requirement

4 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Program Electives

21 credit hours from the following required:

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

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

Total Credit Hours for Credential Completion: 60

Suggested Course Sequence

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

Technical Certificate Practical Nursing

Program Learning Outcomes

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

Program Requirements

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

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

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

Program Prerequisites

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

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

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

Total Credit Hours Required for Credential Completion: 49

Suggested Course Sequence

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

Associate of Applied Science Registered Nursing

Program Learning Outcomes

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

Program Requirements

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

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

Program Prerequisites

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

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

Program Pre and Corequisites

General Psychology (PSYC 11003)

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

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

Program Information

The Registered Nursing program is offered in multiple tracks:

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

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

Total Credit Hours required for Credential Completion: 67

Suggested Course Sequence

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

Human Services

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

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

Criminal Justice Institute Training for Current Law Enforcement Officers

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

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

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

Certificate of Proficiency Cosmetology Instructor

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 18

Technical Certificate Cosmetology

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 42

Program Course Sequence

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

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

Certificate of Proficiency Early Childhood Education

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 12

Suggested Course Sequence

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

Technical Certificate Early Childhood Education

Program Learning Outcomes

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

Program Requirements

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

Program Electives

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 27

Suggested Course Sequence – Technical Certificate Early Childhood

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

Associate of Applied Science Early Childhood Education

Program Learning Outcomes

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

Program Requirements

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

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

Social Sciences Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence

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

Associate of Science Criminal Justice

Program Learning Outcomes

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

Program Requirements

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

Fine Arts and Humanities

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Life Sciences Requirement

4 credit hours from the following required:

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

Math Requirement

3 credit hours from the following required:

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

Physical Sciences Requirement

4 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence

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

Skilled Trades and Agriculture

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

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

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

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

Certificate of Proficiency Agriculture Business

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 9

Suggested Course Sequence

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

Technical Certificate Agriculture Business

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence – Technical Certificate Agriculture Business

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

Associate of Science Agriculture Business

Program Learning Outcomes

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

Program Requirements

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

Agriculture Requirement

3 credit hours from the following required:

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

Fine Arts Requirement

3 credit hours from the following required:

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

3 credit hours from the following required:

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

Social Sciences Requirement

6 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 60

Suggested Course Sequence – Associate of Science Agriculture Business

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

Certificate of Proficiency Agriculture Drone Technology

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Require for Credential Completion: 12

Suggested Course Sequence

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

Technical Certificate Precision Agriculture

Program Learning Outcomes

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

Program Requirements

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

Agriculture Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 30

Suggested Course Sequence – Technical Certificate Precision Agriculture

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

Associate of Applied Science Farm and Ranch Management (FARM)

Program Learning Outcomes

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

Program Requirements

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

Program Concentrations

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

Livestock and Poultry Concentration

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

Crops Concentration

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

Total Credit Hours Required for Credential Completion: 60

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

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

Suggested Course Sequence – Associate of Applied Science FARM Crop Concentration

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

Certificate of Proficiency Carpentry

Program Learning Outcomes

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

Program Requirements

Course Name	Course Number	Credit Hours
Carpentry I	CTTE 10206	6

Total Credit Hours Required for Credential Completion: 6

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

Certificate of Proficiency Skilled Trades

Program Learning Outcomes

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

Program Requirements

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

Program Concentrations

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

Construction Concentration

Course Name	Course Number	Credit Hours
Carpentry I	CTTE 10206	6

Welding Concentration

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

Total Credit Hours Required for Credential Completion: 13-15

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

Certificate of Proficiency Basic Machining

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 12

Suggested Course Sequence

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

Technical Certificate Industrial Maintenance

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 27

Suggested Course Sequence – Technical Certificate Industrial Maintenance

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

Certificate of Proficiency Heating, Ventilation, and Air Conditioning

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 15

Suggested Course Sequence

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

Technical Certificate Air Conditioning, Heating, and Refrigeration Technology

Program Learning Outcomes

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

Program Requirements

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

Math Requirement

3 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 30

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

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

Certificate of Proficiency Welding

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 13

Suggested Course Sequence

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

Technical Certificate Welding Technology

Program Learning Objectives

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

Program Requirements

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

Welding Requirement

4 credit hours from the following required:

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

Total Credit Hours Required for Credential Completion: 27

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

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

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

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

Associate of Applied Science Industrial Technology

Program Learning Outcomes

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

Program Requirements

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

Computer Sciences Requirement

3 credit hours from the following required:

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

Social Sciences Requirement

3 credit hours from the following required:

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

Program Concentrations

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

Heating, Ventilation, and Air Conditioning Concentration

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

Industrial Maintenance

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

Welding

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

Total Credit Hours Required for Credential Completion: 60

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

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

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

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

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

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

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

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

Certificate of Proficiency Commercial Vehicle Driving

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 7

Suggested Course Sequence

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

Certificate of Proficiency Compact Equipment Operator

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 8

Suggested Course Sequence

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

Certificate of Proficiency Heavy Equipment Operator

Program Learning Outcomes

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

Program Requirements

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

Program Concentrations

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

Heavy Machinery Concentration

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

Commercial Vehicle Driving Concentration

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

Total Credit Hours Required for Credential Completion: 15

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

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

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

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

Technical Certificate Heavy Equipment Operator

Program Learning Outcomes

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

Program Requirements

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

Total Credit Hours Required for Credential Completion: 22

Suggested Course Sequence

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