



***Arkansas State***  
***UNIVERSITY***  
***MOUNTAIN HOME***

**2025 – 2026**  
**Catalog Errata**

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**Date: August 5, 2025**

- ADHE placed program on an Inactive Status 06/10/25

# TECHNICAL CERTIFICATE PROGRAMS

- Automotive Systems Repair
- Education
- EMS
- Funeral Directing
- General Business
- General Studies
- Health Professions
- Information Systems Technology
- Machining Technology
- Marine Manufacturing
- Mechatronics
- Paramedic Technology
- Practical Nursing
- Pre-Nursing
- Professional Medical Coding
- *Web Development – ADHE placed program on an Inactive Status 06/10/25*
- Welding



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The certificate of proficiency and the technical certificate programs give the student the opportunity to earn certificates while completing steps toward an Associate of Applied Science degree.

2025-2026



## TECHNICAL CERTIFICATE PLAN

### WEB DEVELOPMENT

Degree Code: 2005; CIP Code: 11.0401

All technical certificate-seeking students must meet the freshman assessment and placement requirements. If deficiencies exist, the student must complete the required CPT courses.

A 2.0 GPA is required for graduation from the Technical Certificate in Web Development program.

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR ALL FEES AND CHARGES ASSOCIATED WITH THIS CERTIFICATE.**

The Technical Certificate in Web Development is designed to prepare students with in-demand skills for entry-level positions in a fast-changing, high-tech workplace.

#### Student Learning Outcomes for TC Web Development Program

1. Demonstrate foundational programming/software skills of organization, logic, analytical thinking, and problem solving.
2. Develop learning strategies, which combine design thinking and aesthetics with software skills technology to prepare for a career in an ever-changing field.
3. Demonstrate an understanding of application architecting, interface design theories, and the products and responsibilities of networks.

In addition to these program-specific outcomes, students will have demonstrated a proficiency in the following general outcomes:

4. Applications of Math and the Natural Sciences appropriate to degree program.
5. Composition and Oral Communication.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor: \_\_\_\_\_

Student ID# \_\_\_\_\_

COURSE CODE	COURSE NAME	CREDIT HOURS	HOURS COMPLETED
<b>General Education (6 credit hours)</b>			
ENG 1003	Composition I (must earn a "C" or better)	3	_____
MATH 1113	Mathematics for higher-level mathematics course	3	_____
<b>Web Development (33 credit hours)</b>			
CIS 1013	Programming Fundamentals/Logic	3	_____
CIS/ART 1813	Introduction to Digital Photography/Photoshop	3	_____
CIS 1113	Computer Technician I OR	3	_____
CIS 2563	E-commerce and Web Marketing	3	_____
CIS 2433	Back End Programming	3	_____
CIS 2443	Visual Frameworks OR	3	_____
CIS/ART 2663	Advanced Web Design	3	_____
CIS 2453	Database Creation/Interaction	3	_____
CIS 2503	Microcomputer Business Applications	3	_____
CIS/ART 2623	Web Design	3	_____
<b>CIS Electives (9 credit hours) from any CIS course</b>			
CIS _____	_____		_____
CIS _____	_____		_____
CIS _____	_____		_____
CIS _____	_____		_____
CIS _____	_____		_____

Program Total 39 Hours

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- ADHE placed programs on an Inactive Status 06/10/25

# CERTIFICATES OF PROFICIENCY

- A+ Computer Technician
- Automotive Systems Repair
- Certified Nursing Assistant (CNA)
- CISCO Networking
- Commercial Truck Driving
- Criminal Justice
- Emergency Medical Technician
- Graphic Design
- Health Professions
- Machining Technology
- Marine Manufacturing
- Mechatronics (Basic Manufacturing)
- Phlebotomy
- Production Welding
- Professional Medical Coder
- Programming/Mobile Development
- *Web Development – ADHE placed program on an Inactive Status 06/10/25*
- Welding



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2025-2026



## CERTIFICATE OF PROFICIENCY PLAN WEB DEVELOPMENT

Degree Code: 1347; CIP Code: 11.0801

A Certificate of Proficiency may be awarded to students who have demonstrated mastery of skills and knowledge against specified performance standards in a specific area or discipline.

To earn a Certificate of Proficiency in Web Development, students must complete the courses below with a grade of "C" or better.

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR ALL FEES AND CHARGES ASSOCIATED WITH THIS CERTIFICATE**

The program of study can be a stand-alone program or part of a technical certificate or associate degree program and is designed to enhance a person's skill set to make him/her more productive and marketable.

### Student Learning Outcomes for CP Web Development

1. Demonstrate foundational programming/software skills of organization, logic, and design thinking, and problem solving.
2. Develop learning strategies, which combine design thinking and aesthetic design skills and to prepare for a career in an ever-changing field.
3. Demonstrate an understanding of application architecting, information system theories, visual design, and responsive frameworks.

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Advisor: \_\_\_\_\_ Student ID# \_\_\_\_\_

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
<b>Web Development Content (15 credit hours)</b>			
CIS/ART 1803	Digital Photography Workshop (must earn a "C" or better)	3	_____
CIS 243	Book End Program (must earn a "C" or better)	3	_____
CIS 2443	Virtual Frameworks OR (must earn a "C" or better)	3	_____
CIS/ART 2863	Advanced Web Design (must earn a "C" or better)	3	_____
CIS 2563	E-Commerce/Web Marketing (must earn a "C" or better)	3	_____
CIS/ART 2623	Web Design (must earn a "C" or better)	3	_____

**Program Total 15 Hours**

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- Rotation schedule change



## TECHNICAL CERTIFICATE PLAN PARAMEDIC TECHNOLOGY

Degree Code: 4520; CIP Code: 51.0904

All technical certificate-seeking students must meet the freshman assessment and placement requirements. If deficiencies exist, the student must complete the required CPT courses.

A 2.0 GPA is required for graduation from the  
Technical Certificate in Paramedic Technology.

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR  
ALL FEES AND CHARGES ASSOCIATED WITH THIS CERTIFICATE.**

Graduates of this program are eligible to apply to the National Registry of EMTs for the Paramedic certificate examination and the Arkansas Department of Health, EMS Division for State licensure. Upon successfully passing the examination and obtaining State licensure the graduate will be eligible to function as a team member within the pre-hospital environment. Visit [asumh.edu/ge\\_par](http://asumh.edu/ge_par) for gainful employment information.

**NOTE: Arkansas State Law requires Emergency Medical Technician (EMT) licensure prior to entry into the Paramedic program.**

### Student Learning Outcomes for Paramedic Technology Program

1. Demonstrate an advanced understanding of integrated pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma, medical, neonatal, pediatric, geriatric, diverse, and chronically ill patients and patients with common complaints.
2. Demonstrate personal behaviors consistent with the professionalism and moral standards associated with a pre-hospital provider.
3. Demonstrate understanding of the anatomy and physiology of body systems.

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Advisor: \_\_\_\_\_ Student ID# \_\_\_\_\_

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
<b>Prerequisites (7 credit hours)</b>			
<b>Biology (4 credit hours)</b> (All body systems must be covered.)			
BIOL 1024	Human Anatomy and Physiology for Healthcare Professions & Lab <small>This course also fulfilled by successfully completing these two course numbers: BIOL 1023 and BIOL 1021. OR by successfully completing: BIOL 2004 Human Anatomy and Physiology I &amp; Lab and BIOL 2014 Human Anatomy and Physiology II &amp; Lab.</small>	4	_____
HSA 2013	Medical Terminology	3	_____
<b>Paramedic Technology Core (40 credit hours)</b>			
<b>Spring Semester (17 credit hours)</b>			
PAR 1023	Introduction to EMS and Ambulance Operations	3	_____
PAR 1033	Patient Assessment with Lab	3	_____
PAR 1124	Pharmacology and Medication Administration with Lab	4	_____
PAR 1215	Electrocardiogram Interpretation with Lab	5	_____
PAR 1122	Clinical Practicum I	2	_____
<b>Summer Semester (8 credit hours)</b>			
PAR 2204	Paramedic Field Internship Capstone	4	_____
PAR 2412	Review of Clinical and Capstone	2	_____
<b>Fall Semester (15 credit hours)</b>			
PAR 2004	Cardiovascular Emergency Care with Lab	4	_____
PAR 2005	Medical Emergencies with Lab	5	_____
PAR 2014	Trauma Emergencies with Lab	4	_____
PAR 2102	Clinical Practicum II	2	_____

**Program Total 45 Hours**

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Updated 08-01-25 opt

- Add “or BUS 2833 Principles of Management” or the BUS 2843 Project Management requirement.



2025-2026

## THE ASSOCIATE OF APPLIED SCIENCE (A.A.S.)

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While a few institutions have recently begun to accept some courses in A.A.S. programs, the general rule is that courses in the A.A.S. degree are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurance in writing in advance from the institution to which they wish to transfer and be aware that they may be required to complete additional lower-division courses to meet specified prerequisite course requirements for their chosen baccalaureate degree program upon Arkansas public university transfer.

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR ALL FEES AND CHARGES ASSOCIATED WITH THIS DEGREE.**

## DEGREE PLAN

**ASSOCIATE OF APPLIED SCIENCE IN CYBERSECURITY**

Degree Code: 0151 CIP Code: 11.1003

The program is designed for those students seeking career-oriented skills who can identify, assess, and manage cybersecurity threats. The two-year degree prepares students to defend computer operating systems, networks, and data from cyber-attacks.

**Student Learning Outcomes for A.A.S. Cybersecurity Program**

The Associate of Applied Science in Cybersecurity prepares graduate for entry-level employment and advancement. Students simulate real-world cybersecurity threat scenarios and create opportunities for ethical hacking, security monitoring, analysis and resolution. Students configure and use threat detection tools, perform data analysis and interpret the results to identify vulnerabilities, threats and risks to an organization. The program emphasizes the practical application of the skills needed to maintain and ensure secure operational readiness of systems within an organization.

1. Be employable as an associate security analyst, incident responder, network security analyst, or cybersecurity risk analyst.
2. Implement data confidentiality, integrity, availability and security controls on networks, servers, and applications.
3. Develop security principles and policies that comply with cybersecurity laws.
4. Demonstrate critical thinking, complex problem solving, and collaboration.

Students completing the general education core at ASUMH will have demonstrated a proficiency in the following skills:

5. Applications of Math and the Natural Sciences appropriate to degree or field of study.
6. Composition and Oral Communication.
7. Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences.
8. Utilization of technology appropriate to degree or field of study.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor: \_\_\_\_\_

Student ID# \_\_\_\_\_

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
<b>General Education Requirements (18 credit hours)</b>			
BUS 2563	Business Communications	3	_____
CIS 1203	Introduction to Computers	3	_____
ENG 1003	Composition I (must earn a "C" or better)	3	_____
ENG 1013	Composition II (must earn a "C" or better)	3	_____
MATH 1113	Applied Math or higher-level mathematics course	3	_____
POSC 2103	United States Government	3	_____
<b>Business and Computer Core (12 credit hours)</b>			
CIS 1023	Programming Fundamentals/Logic	3	_____
CIS 1103	Networking Concepts	3	_____
CIS 1513	Object-Oriented Programming	3	_____
CIS 2723	Cybersecurity Essentials	3	_____
<b>Cybersecurity Content (30 credit hours)</b>			
BUS 2833	Principles of Management OR	3	_____
BUS 2843	Project Management		
CIS 1106	CISCO Network Academy I	6	_____
CIS 1206	CISCO Network Academy II	6	_____
CIS 2683	Computer Forensics	3	_____
CIS 2463	Linux	3	_____
CIS 2913	Ethical Hacking	3	_____
CRJ 2243	Cybersecurity Law and Ethics	3	_____
POSC 1003	Introduction to International Relations	3	_____

Program Total 60 Hours

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Updated 08-05-25 cgl

- Add “or BUS 2833 Principles of Management” or the BUS 2843 Project Management requirement.



## THE ASSOCIATE OF APPLIED SCIENCE (A.A.S.)

2025-2026

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While a few institutions have recently begun to accept some courses in A.A.S. programs, the general rule is that courses in the A.A.S. degree are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurance in writing in advance from the institution to which they wish to transfer and be aware that they may be required to complete additional lower-division courses to meet specified prerequisite course requirements for their chosen baccalaureate degree program upon Arkansas public university transfer.

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR ALL FEES AND CHARGES ASSOCIATED WITH THIS DEGREE.**

**DEGREE PLAN**  
**ASSOCIATE OF APPLIED SCIENCE IN DIGITAL DESIGN**

Degree Code: 0125 CIP Code: 10.0303

The program is designed for those students seeking a two-year degree in Digital Design. Digital Designers combine words and images to create visual messages to inform, persuade, sell, entertain or capture the interest of a specific audience. This is done primarily by designing graphics for print, web and interactive multimedia using a variety of industry standard design software. The ASUMH Digital Design curriculum is flexible to accommodate individual student needs. It covers key aspects of design and visual communication for both print and digital environments. Students will learn in-demand skills and will be prepared for entry-level positions as graphic and web designers for advertising agencies, as in-house designers for various companies, as freelance designers, etc.

**Student Learning Outcomes for Digital Design Program**

1. Develop an understanding of graphic, web and digital design principles as they pertain to online and printed visual communications.
2. Demonstrate foundational design and communication skills including color theory, typography, compositional layout, information organization, creative thinking, and problem solving.
3. Demonstrate proficiency using industry-standard digital design software, technology and equipment including digital cameras, scanners, photo/video editing, computer illustration, online and time-based media.
4. Develop career skills by combining classroom learning with hands-on design applications while preparing a Professional portfolio in the field of Digital Design.
5. Develop learning strategies, which combine design thinking and aesthetics with software skills and technology to prepare for a career in an ever-changing field.

Students completing the general education core at ASUMH will have demonstrated a proficiency in the following skills:

6. Applications of Math and the Natural Sciences appropriate to degree or field of study.
7. Composition and Oral Communication.
8. Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences.
9. Utilization of technology appropriate to degree or field of study.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor: \_\_\_\_\_

Student ID# \_\_\_\_\_

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
<b>General Education Requirements (15 credit hours)</b>			
CIS 2503	Microcomputer Business Applications	3	_____
ENG 1003	Composition I (must earn a "C" or better)	3	_____
ENG 1013	Composition II (must earn a "C" or better)	3	_____
MATH 1113	Applied Math	3	_____
<b>Social Science Elective (3 credit hours) (Select 1 course)</b>			
(Choose any three-credit hour course from ECON 2313, GEOG, HIST, POSC, PSY, OR SOC)			
ECON 2313	Principles of Macroeconomics OR GEOG, HIST, POSC, PSY, or SOC course	3	_____
<b>Design Core (36 credit hours)</b>			
BUS 1002	Financial Literacy	2	_____
BUS 2213	Employment Readiness	3	_____
BUS 2513	Fundamentals of Marketing	3	_____
BUS 2833	Principles of Management OR	3	_____
BUS 2843	Project Management	3	_____
CIS/ART 1703	Introduction to Digital Media	3	_____
CIS/ART 1803	Introduction to Digital Photography/Photoshop	3	_____
CIS/ART 2313	Desktop Publishing	3	_____



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Updated 08-05-25 cgl

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
CIS/ART 2003	Topographic Illustration	3	_____
CIS/ART 2353	Design Layout	3	_____
CIS 2563	E-Commerce and Web Marketing	3	_____
CIS/ART 2623	Website Design	3	_____
CIS 2443	Visual Frameworks OR		
CIS/ART 2663	Advanced Website Design	3	_____
CIS 2601	Graphic Internship OR		
CIS 2911	CIS Capstone Project	1	_____

**Directed Electives** (Choose Any 9 credit hours)

Courses taken to satisfy general education and degree requirements cannot be used to fulfill the elective requirement. Choose 9 credit hours from any ART, BUS, or CIS course not used in the Design Core.

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**Program Total 60 Hours**

- Add “or BUS 2833 Principles of Management” or the BUS 2843 Project Management requirement.



2025-2026

**THE ASSOCIATE OF APPLIED SCIENCE (A.A.S.)**

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While a few institutions have recently begun to accept some courses in A.A.S. programs, the general rule is that courses in the A.A.S. degree are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurance in writing in advance from the institution to which they wish to transfer and be aware that they may be required to complete additional lower-division courses to meet specified prerequisite course requirements for their chosen baccalaureate degree program upon Arkansas public university transfer.

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR ALL FEES AND CHARGES ASSOCIATED WITH THIS DEGREE.**

**DEGREE PLAN****ASSOCIATE OF APPLIED SCIENCE IN PROGRAMMING/MOBILE DEVELOPMENT**

Degree Code: 1182 CIP Code: 11.0202

The Associate of Applied Science in Programming and Mobile Development has been designed to prepare graduates for entry-level employment and advancement in the fields of programming and mobile development. Students receive a solid foundation in the fundamental concepts of programming, including problem solving, logic, program design, and will be exposed to a wide variety of programming and development technologies to provide them with the tools they will need to be successful either in the job market or in furthering their academic careers.

**Student Learning Outcomes for Programming/Mobile Development Program**

1. Be employable in an entry-level computer programmer or mobile developer position.
2. Apply classroom theory with practical application through job-related experiences.
3. Demonstrate foundational programming skills of organization, logic, analytical thinking, and problem solving.
4. Demonstrate sufficient understanding of various industry-recognized computer programming, object oriented, and scripting languages.
5. Demonstrate an understanding of application architecting, interface design theories, visual constructs and responsive frameworks.

Students completing the general education core at ASUMH will have demonstrated a proficiency in the following skills:

6. Applications of Math and the Natural Sciences appropriate to degree or field of study.
7. Composition and Oral Communication.
8. Evaluation of diverse perspectives and cultures through Arts, Humanities, and Social Sciences.
9. Utilization of technology appropriate to degree or field of study.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor: \_\_\_\_\_

Student ID# \_\_\_\_\_

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
<b>General Education Requirements (15 credit hours)</b>			
CIS 2503	Microcomputer Business Applications	3	_____
ENG 1003	Composition I (must earn a "C" or better)	3	_____
ENG 1013	Composition II (must earn a "C" or better)	3	_____
MATH 1113	Applied Math or higher-level mathematics course	3	_____
<b>Social Science Elective (3 credit hours) (Select 1 course)</b>			
(Choose any three-credit hour course from ECON 2313, GEOG, HIST, POSC, PSY, OR SOC)			
ECON 2313	Principles of Macroeconomics OR GEOG, HIST, POSC, PSY, or SOC course	3	_____
<b>Business and Computer Core (21 credit hours)</b>			
BUS 2213	Employment Readiness	3	_____
CIS 1023	Programming Fundamentals/Logic	3	_____
CIS 1063	Structured Programming/C Language	3	_____
CIS 1113	A+ Computer Technician I OR	3	_____
CIS 2463	Linux	3	_____
CIS 1503	Introduction to Operating Systems	3	_____
CIS 1513	Object Oriented Programming	3	_____
CIS 2723	Cybersecurity Essentials	3	_____

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Updated 08-05-25 cgt

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
Programming Content (24 credit hours)			
BUS 2833	Principles of Management OR	3	_____
BUS 2843	Project Management		
CIS 1133	Mobile Development	3	_____
CIS 2113	App Deployment	3	_____
CIS 2433	Back End Programming	3	_____
CIS 2443	Visual Frameworks	3	_____
CIS 2453	Database Creation/Interaction	3	_____
CIS 2553	.NET	3	_____
CIS 2903	Programming Internship OR	3	_____
CIS 2893	CIS Capstone Project		
Program Total 60 Hours			



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Updated 08-05-25 cgl