



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. Develop 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: _____
 Advisor: _____

Date: _____
 Student ID# _____

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
General Education Requirements (15 credit hours)			
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	_____
Social Science Elective (3 credit hours) (Select 1 course) (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	_____
Business and Computer Core (21 credit hours)			
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		
CIS 2463	Linux	3	_____
CIS 1503	Introduction to Operating Systems	3	_____
CIS 1513	Object Oriented Programming	3	_____
CIS 2723	Cybersecurity Essentials	3	_____

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
Programming Content (24 credit hours)			
BUS 2843	Project Management	3	_____
CIS 1133	Mobile Development	3	_____
CIS 2113	App Deployment	3	_____
CIS 2433	Back End Programming	3	_____
CIS 2443	Visual Frameworks OR		
CIS 2663	Advanced Website Design	3	_____
CIS 2453	Database Creation/Interaction	3	_____
CIS 2553	.NET	3	_____
CIS 2903	Programming Internship OR		
CIS 2893	CIS Capstone Project	3	_____
Program Total 60 Hours			