

**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: _____
Advisor: _____

Date: _____
Student ID# _____

COURSE CODE COURSE NAME**CREDIT
HOURS****HOURS
COMPLETED****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	_____
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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	2833	Principles of Management OR	
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	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			