



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 MARINE MANUFACTURING

Degree Code: 3136; CIP Code: 15.0617

The Associate of Applied Science in Marine Manufacturing is for students interested in boat manufacturing, trailer manufacturing, or other fiberglass composite constructions. The program integrates basic tools, welding, electrical, gel coat application, and open and closed molded lamination into the manufacture of boats and boat trailers. The skills taught in this program also apply to automotive and other industries.

Program Learning Outcomes for A.A.S. Marine Manufacturing Program

1. Students will be employable in an entry-level boat manufacturing position.
2. Students will apply basic chemistry of composite materials and reactions in the workplace.
3. Students will demonstrate the use of various industry-recognized tools and equipment.
4. Students will demonstrate all safety rules and procedures across the full scope of their field.
5. Students will demonstrate foundational gel coat, open molding, and closed molding skills.

Students completing the general education core at ASUMH will have demonstrated 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 (18 credit hours)			
CPSI 10003	Computer Essentials	3	_____
ENGL 10103	Composition I (must earn a "C" or better)	3	_____
ENGL 10203	Composition II (must earn a "C" or better)	3	_____
MATH 10103	Applied Math or higher-level mathematics course	3	_____
SPCH 10003	Oral Communication	3	_____
Social Science Elective (3 credit hours) (Select 1 course) (Choose any three-credit hour course from ECON 21003, GEOG, HIST, PLSC, PSYC, OR SOCI)			
ECON 21003	Principles of Macroeconomics OR GEOG, HIST, PLSC, PSYC, or SOCI course	3	_____
Boat Manufacturing Core (42 credit hours)			
ASTE 12204	Electrical Systems I	4	_____
BOAT 10003	Introduction to Boat Manufacturing	3	_____
BOAT 10014	Basic Hand Tools/Safety	4	_____
BOAT 10024	Gel Coat Basics	4	_____
BOAT 10031	Masking	1	_____
BOAT 11004	Intermediate Gel Coat	4	_____
BOAT 12004	Introduction to Composite Materials	4	_____
BOAT 20014	Advanced Gel Coat	4	_____
BOAT 23104	Closed Molding Lamination	4	_____
BOAT 23204	Open Molding Lamination	4	_____
TECH 10132	Employment Strategies	2	_____
TECH 10044	Computer Aided Design (CAD)	4	_____

Program Total 60 Hours