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.

Student 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 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# _____

COURSE CODE		COURSE NAME	CREDIT HOURS	HOURS COMPLETED
General Education Requirements (18 credit hours)				
CIS	1053	Computer Essentials	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	_____
COMM	1203	Oral Communication	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	_____
Boat Manufacturing Core (42 credit hours)				
AUTO	1304	Electrical Systems I	4	_____
BOAT	1003	Introduction to Boat Manufacturing	3	_____
BOAT	1014	Basic Hand Tools/Safety	4	_____
BOAT	1024	Gel Coat Basics	4	_____
BOAT	1031	Masking	1	_____
BOAT	1104	Intermediate Gel Coat	4	_____
BOAT	1204	Introduction to Composite Materials	4	_____
BOAT	2014	Advanced Gel Coat	4	_____
BOAT	2314	Closed Molding Lamination	4	_____
BOAT	2324	Open Molding Lamination	4	_____
TECH	1012	Employment Strategies	2	_____
TECH	1044	Computer Aided Design (CAD)	4	_____

Program Total 60 Hours