

Industrial Sciences & Technology

Associate of Applied Science (A.A.S.)

(Emphasis: General Technology)

Transfer Options

- Arkansas State University-Jonesboro
 - BAS Organizational Supervision
- University of Arkansas-Fort Smith
 - Bachelor of Applied Science

General Technology is an emphasis area under the Associate of Applied Science in Industrial Sciences and Technology. This degree program allows a student to become proficient in a particular occupational area, to increase their knowledge and skills in that area or expand his/her knowledge and skills to other areas of interest through the selection of additional elective courses.

Mission

The mission of the Industrial Sciences & Technology program is to provide quality education and training that enhance employment opportunities and increase the personal development of students including opportunity to complete a four-year degree.

Program Goals

The Associate of Applied Science in Industrial Sciences & Technology will provide students the knowledge and skills necessary to obtain entry level employment in the applicable field of study and the first two years of a university program.

Program Outcomes

- An ability to use the techniques, skills, and modern tools necessary for the appropriate field of study.
- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to identify, formulate, and solve problems.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.

General Information

- Developmental coursework may be required in addition to the courses required for this degree and/or certificate(s).
- A [P] indicates that a prerequisite is required before the course can be taken. Refer to the prerequisites table listed below the degree plan or the course description in the College Catalog to determine the prerequisite.

General Requirements

- This degree requires successful completion of 60 credit hours.
- All degree-seeking students are required to take Student Success.
- A minimum 2.00 cumulative grade point average is required for graduation.
- Satisfaction of all financial obligations due to the college is required for graduation.



DEGREE PLAN
2019-2020

Developmental Coursework

Course Number	Course Title
CO0143	Introduction to Language Arts
CO0243	Writing Workshop
MATH0133	Transitional Math I
MATH0233	Transitional Math II

Semester I (16 hours)

Course Number	ACTS#	Course Title
ENGL1113	ENGL1013	Composition I [P1]
MD1073	N/A	NCCER
MD2603	N/A	Industrial Safety
MIS1003	CPSI1003	Introduction to Computers
GSTD1021	N/A	Student Success I
_____3	NA	Elective

Semester II (16 hours)

Course Number	ACTS#	Course Title
CO2213	ENGL2023	Technical Writing [P2]
MATH1063	MATH1103	College Math [P1]
MD1403	N/A	Basic Blueprint Reading
GSTD1031	N/A	Student Success II
_____3	NA	Elective
_____3	NA	Elective

Semester III (16 hours)

Course Number	ACTS#	Course Title
EM2924	N/A	Programmable Logic Controller 1
MD1052	N/A	Introduction to Preventive Maintenance
GSTD1041	N/A	Student Success III
_____3	NA	Elective
_____3	NA	Elective
_____3	NA	Elective

Semester IV (12 hours)

Course Number	ACTS#	Course Title
CE2403	N/A	Internship
_____3	NA	Elective
_____3	NA	Elective
CJ1003	CRJU1023	Introduction to Criminal Justice or ECON(Economics), GEOG, HIST, PSCI, PSYC, or SOC prefix

ELECTIVES (24 hours)

EM2963	PLC for Engineering
EN1003	Introduction to Engineering
EN1023	Engineering Concepts I
EN1033	Digital Logic
EN2034	Fundamentals of CAD
EN2043	Robotic Applications
MD1003	Computer Integrated Manufacturing
MD1033	Basic Machine Tools
MD1303	Basic Welding
MD1313	Advanced Welding
MD1323	Intermediate Welding
MD2003	Millwright Level I
MD2013	Millwright Level II
MD2023	Millwright Level III
MD2403	Fluidics

ACTS Course Numbers

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and equitable treatment in the application of credits for admissions and degree requirements. Go to <http://acts.adhe.edu> for more information.

PREREQUISITES

P1	Refer to the SAU Tech Placement Plan.
P2	ENGL1113-Composition I