

Industrial Sciences & Technology

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

Transfer Options

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

This is a two-year program directed toward individuals employed in business or industry. Twenty-Nine (29) hours of credit may be transferred from another accredited institution, special program course work provided by SAU Tech, and selected work experience in business and industry.

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

1. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
2. An ability to apply knowledge of mathematics, science and engineering.
3. An ability to design and conduct experiments, as well as analyze and interpret data.
4. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
5. An ability to identify, formulate, and solve engineering problem.
6. An understanding of professional and ethical responsibility.
7. 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.



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

General Education (18 hours)

Course Number	ACTS#	Course Title
ENGL1113	ENGL1013	Composition I [P1]
MIS1003	CPSI1003	Introduction to Computers
GSTD1021	N/A	Student Success I
GSTD1031	N/A	Student Success II
GSTD1041	N/A	Student Success III
CJ1003	CRJU1023	Introduction to Criminal Justice or ECON(Economics), GEOG, HIST, PSCI, PSYC, or SOC prefix

Choose three (3) hours from these courses:

ENGL1123	ENGL1013	Composition II [P2]
CO2213	ENGL2023	Technical Writing [P2]

Choose three (3) hours from these courses:

MATH1023	MATH1103	College Algebra [P1]
MATH1063	MATH1003	College Math [P1]

Technology Core (13 hours)

Course Number	ACTS#	Course Title
MD2603	N/A	Industrial Safety
MD1403	N/A	Basic Blueprint Reading
EM2924	N/A	Programmable Logic Controller 1

Choose three (3) hours from these courses:

MD1073	N/A	NCCER
EN1003	N/A	Intro to Engineering

Technology-related coursework, technical or work experience (29 hours)

Notes:

1. Technology-related, technical or work experience include:
 - a. Technology-related coursework from another accredited institution.
 - b. Technical program course work taught by SAU Tech.
 - c. Selected work experience from business & industry or other approved Credit for Prior Learning.
2. Students must meet entrance requirements for Composition and Mathematics prior to taking college-level courses.
3. Those student desiring to earn a four-year degree should take a four-credit hour lab science elective.
4. Students will be assigned a technical advisor to assist in selection of technical-related and technical program coursework.
5. Portfolio development course must be taken in order for credit to be awarded from selected work experience from business and industry or other Credit for Prior Learning.
6. A minimum of 15 credit hours must be in residency at SAU Tech.

PREREQUISITES

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

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.

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.