Industrial Sciences & Technology

Associate of Applied Science (A.A.S.)
(Emphasis: Production Technician)

Transfer Options

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

Southern Arkansas University Tech's Production Technician program provides skills-based training that leads to demonstrative mastery of the core competencies of manufacturing production at the front-line (entry-level through front-line supervisor) through successful completion of the certification assessments. The goal of the certification program is to raise the level of performance of production workers both to assist the individual in finding higher-wage jobs and to help employers ensure their workforce increases the company's productivity and competitiveness.

The program consists of four individual courses and certificate modules: Safety; Quality Practices & Measurement; Manufacturing Processes & Production; and Maintenance Awareness. Candidates must earn the four individual certificates to receive the full Manufacturing Skills Standards Council (MSSC) CPT certification.

The four certification classes are available through SAU Tech's Workforce Training Department. Successful passing of each certification exam can be used to receive college credit for the four classes mentioned above resulting in completion of the Certification of Proficiency in Production Technician. Students wishing to receive the Technical Certificate in Production Technician will be required to complete Composition I, College Math and six additional hours of technical coursework. Completion of the remaining required coursework results in completion of the Associate of Applied Science degree in Industrial Sciences and Technology with an emphasis in Production Technician.

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 Goal

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 Learning Outcomes (PLOs)

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

SAU TECH We put YOU first!

DEGREE PLAN
2021-2022

Developmental Coursework

Course Number	*Course Title*	*Required*	*Enrolled*	*Completed*
ENGL 0121	Composition I Lab	☐	☐	☐
MATH 0121	College Algebra Lab	☐	☐	☐

Semester I (16 hours)

Course Number	*ACTS#*	*Course Title*	*Enrolled*	*Completed*
[1,2] CPT 1003	N/A	Production Safety	☐	☐
[1] MD 1073	N/A	NCCER	☐	☐
MD 1303	N/A	Basic Welding	☐	☐
[1] MD 2603	N/A	Industrial Safety	☐	☐
MIS 1003	CPSI 1003	Introduction to Computers	☐	☐
GSTD 1021	N/A	Student Success I	☐	☐

Semester II (15 hours)

Course Number	*ACTS#*	*Course Title*	*Enrolled*	*Completed*
[1,2] CPT 1043	NA	Manufacturing Processes and Production	☐	☐
MD 1052	N/A	Intro to Preventive Maintenance	☐	☐
MD 1323	N/A	Intermediate Welding	☐	☐
MD 1403	N/A	Basic Blueprint Reading	☐	☐
[1] ENGL 1113	ENGL 1013	Composition I [P1]	☐	☐
GSTD 1031	N/A	Student Success II	☐	☐

Semester III (16 hours)

Course Number	*ACTS#*	*Course Title*	*Enrolled*	*Completed*
[1,2] CPT 2003	N/A	Quality Practices and Measurements	☐	☐
CO 2213	ENGL 2023	Technical Writing [P2]	☐	☐
[1] MATH 1063	MATH 1103	Math Reasoning	☐	☐
MD 1343	NA	Advanced Welding	☐	☐
MD 2403	N/A	Fluidics	☐	☐
GSTD 1041	N/A	Student Success III	☐	☐

Semester IV (13 hours)

Course Number	*ACTS#*	*Course Title*	*Enrolled*	*Completed*
[1,2] CPT 2013	NA	Maintenance Awareness	☐	☐
EM 2924	N/A	Programmable Logic Controller 1	☐	☐
CE 2403	N/A	Internship	☐	☐
Choose three (3) hours from these courses:				
CJ 1003	CRJU 1023	☐Introduction to Criminal Justice ☐ECON [P3], GEOG, HIST, PSCI, PSYC, or SOC prefix	☐	☐

Total Credit Hours: 60

[1] Indicates Technical Certificate in **Production Technician (24 hours)**.
[2] Indicates Certificate of Proficiency in **Production Technician (12 hours)**.

PREREQUISITES

P1	Refer to the SAU Tech Placement Plan.
P2	ENGL1113-Composition I
P3	MATH 1023 or MATH 1063.

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.

Residency Requirement

The student is required to complete a minimum of 15 semester hours in residence at SAU Tech for associate degrees and technical certificates and half of the credit hours required for certificates of proficiency as well as complete all other graduation requirements. Students who wish to pursue additional degrees must complete a minimum of 15 credit hours of difference between the degrees.

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.