

INDUSTRIAL SYSTEMS



UNIQUE OPPORTUNITIES:

Students that qualify (2.5+ GPA) earn free dual credit through [Northwest-Shoals Community College](#) (NWSCC). Multiple short-term college certificates are earned while in high school, and students are encouraged to complete an AOT degree at NWSCC upon graduation. Students also have the opportunity to earn career certifications through the following entities:



MANUFACTURING
SKILL STANDARDS
COUNCIL



WHAT IS THIS PROGRAM ALL ABOUT?

The Industrial Systems Technology program at Allen Thornton Career Technical Center is a perfect choice for students interested in learning the advanced technology used in today's high-tech manufacturing facilities. Our students learn to install, program, and maintain industrial systems with components such as hydraulics, pneumatics, mechanical components, robotics, electronics, and conveyor systems. Students learn how to implement processes to reduce breakdowns, increase production, and improve efficiency in a manufacturing setting.

What will I be learning?

- Mechanical Systems
- Hydraulic Systems
- AC/DC Electricity
- Pneumatic Systems
- Robotics
- MSSC/OSHA Safety

Career Name	Average Annual Salary	Education Pathway
Preventive Maintenance	\$42,000	ATCTC Program ► Short-term Certificates ► High School Diploma ► AAS Degree
Assembly Technician	\$53,000	ATCTC Program ► Short-term Certificates ► High School Diploma ► AAS Degree
Master Technician	\$64,000	ATCTC Program ► Short-term Certificates ► High School Diploma ► AAS Degree ► Work Experience
Journeyman Millwright	\$66,000	ATCTC Program ► Short-term Certificates ► High School Diploma ► Completed Apprenticeship

Upon graduation, our students pursue careers with local manufacturing companies which include: [North American Lighting](#), [TVA](#), [Mazda-Toyota](#), [Southwire](#), [Constellium](#), [Essity](#), [Tarkett Alabama](#), [Blue Origin](#), [Ytec Keylex Toyotetsu](#), and many others. Students may also pursue opportunities with [Millwrights Local 1192](#) in Florence.

