

Industrial Maintenance and Electrical Technology Track

Industrial Engineering Technology

ASSOCIATE DEGREE

Chart a new career path with an Advanced Technology degree from Alabama Southern

Alabama Southern offers the Associate in Applied Science Degree in Industrial Engineering Technology on our Thomasville Campus in two specific concentration areas: Instrumentation and Electronics Technology and Industrial Maintenance and Electrical Technology.

Industrial Maintenance and Electrical Technology prepares students for jobs as electricians in electrical construction trades and in industrial facilities such as paper mills and chemical plants. The program combines electrical theory with hands-on experience. The industrial maintenance technology portion of the program prepares students for careers as multi-crafted technicians. Students gain experience through projects that include repair, alteration and maintenance of equipment used in industrial complexes. Students may choose to pursue an Associate Degree in Applied Technology.



Alabama Southern offers students in Industrial Maintenance and Electrical Technology a full range of educational opportunities and services. Programs of study include theory classes as well as simulated hands-on projects related to real-life job experiences in the repair and modernization of equipment used in industrial plants and institutional complexes. The small class size allows instructors to work closely with students as they develop skills that allow them to complete the following on-the-job tasks.

- Install, maintain, repair and replace air-conditioning equipment, electrical lighting fixtures and electrical power outlets.
- Install, maintain, repair and replace water pumps, hydraulic pumps and air compressors.
- Install, maintain, repair and replace defective parts on hydraulic and pneumatic control systems
- Maintain and repair electronic motor control circuits
- Read and interpret flow charts and process diagrams
- Read and interpret construction blueprints and mechanical drawings
- Set up and use LASER alignment equipment
- Install and maintain piping systems



Campus Location

www.ascc.edu

Thomasville Campus
P.O. Box 2000
Thomasville, AL 36784
(334) 636-9642

Contact

Paula Byrd
(334) 637-3162
pbyrd@ascc.edu

Larry Doggette
(334) 637-3163
ldoggette@ascc.edu

Admissions
(334) 637-3143
(251) 575-8222

Job Opportunities

Graduates of Industrial Maintenance and Electrical Technology have a variety of job opportunities awaiting them. Some graduates pursue careers in the production environment where their highly skilled expertise is critical to the day to day operations of highly sophisticated equipment. However, others choose to work in the service industry as electrical or mechanical technicians for commercial equipment. People who choose this path usually work with hospitals, schools, and other public/private institutions. Still, others may choose to pursue a career in the construction industry where their skills are essential to the proper installation of equipment; and some may pursue their own entrepreneurial interest.

Job Placement Services

Friendly faculty and staff at Alabama Southern are always more than happy to help students succeed inside and out of the classroom. Local industries throughout the state recruit employees from Alabama Southern. Informative booklets, brochures, and industrial directories are available, and occasionally, group and individual job interviews are arranged. Information about prospective graduates is furnished to the Alabama State Employment Service on a regular basis and to businesses and industries when requested.

Partnerships and Apprenticeships

One of the best ways to prepare for a challenging career opportunity is to obtain an excellent education; the other is to have in-field work experience. At Alabama Southern you can achieve both! Through partnerships with local industries, Industrial Maintenance and Electrical Technology students can participate in apprenticeship training. The partnerships have also served as guides for future training, retraining, and skills improvement for many employees currently working at these plants. The Alabama Southern Industry Alliance for a Technologically Advanced Workforce has helped us build a workforce development program that is recognized as one of the nation's best.

Admission Requirements

- Students must have a high school diploma or GED.
- Students must complete an Alabama Southern admissions application and submit official transcripts of all previous academic work to the office of Student Development.
- Students must take the COMPASS Placement Test for placement in English, math and reading.

Financial Aid

Financial aid is available for most of our programs. Pell Grants are available for students who qualify. Students should apply for financial aid four to six weeks prior to planned date of enrollment.

Program Course Outline

General Education Core

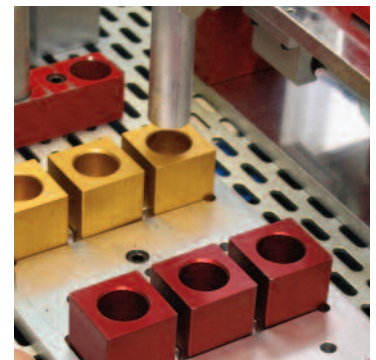
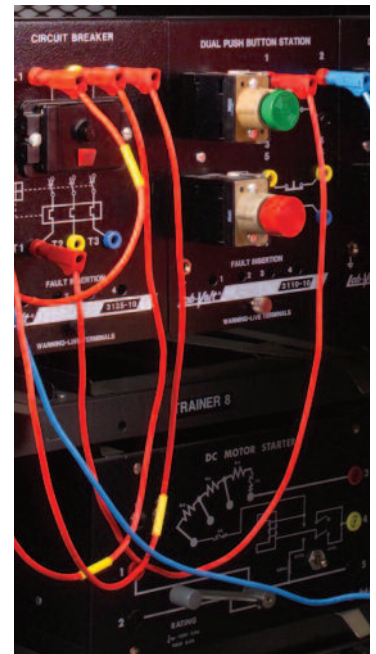
CHM 104 Introduction to Inorganic Chemistry
CIS 146 Microcomputer Applications
ENG 101 English Composition I
IDS 299 Leadership 101
MTH 116 Mathematical Applications
Or MTH 100 Intermediate College Algebra
PHL 206 Ethics and Society
Or PHL 200 Ethics in the Workplace
PSY 200 General Psychology
Or ECO 231 Principles of Macroeconomics
Or ECO 232 Principles of Microeconomics
SPH 107 Fundamentals of Public Speaking

Technical Core

IET 111 DC Fundamentals
IET 112 Industrial Safety
IET 121 Mechanical/Structural Fundamentals
Or MTT 121 Basic Blueprint Reading for Machinists
IET 122 Rotating Machinery and Controls
IET 131 Fluid Power Systems
IET 143 Principles of Industrial Electricity
ILT 108 Intro to Instruments and Process Control

Degree Emphasis Specialty Courses

ELT 114 Residential Wiring Methods
ELT 131 Commercial/Industrial Wiring I
ELT 212 Motor Controls II
ELT 231 Introduction to Programmable Controls
ELT 232 Advanced Programmable Controls
ELT 241 National Electric Code
INT 106 Elements of Industrial Mechanics
INT 132 Preventive and Predictive Maintenance
INT 232 Manufactured Plant Utilities



For complete curriculum information, plans of study and course offerings visit the industrial engineering technology link at www.ascc.edu