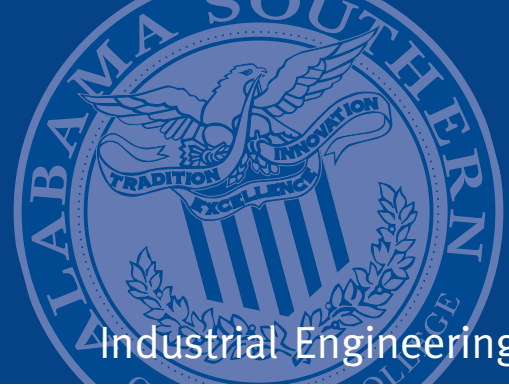




Instrumentation & Electronics Track

Industrial Engineering Technology

ASSOCIATE DEGREE

Start a successful career with an Instrumentation and Electronics Technology degree from Alabama Southern

Preparing students to meet the demands of today's workplace is a challenge for colleges and for industries. Alabama Southern's Advanced Technology programs prepare workers for some of the best jobs available in Southwest Alabama. We've built strong partnerships with businesses and industries throughout Southwest Alabama to ensure that our graduates have the skills employers want. At our Thomasville campus, these strong partnerships helped us build the best industrial technology labs in the South to give students hands-on experience with the same technology found on the job.

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.

Electrical and instrumentation technicians work with sophisticated measurement and control equipment including hard wired systems, Programmable Logic Controllers and Distributed Control Systems. Students will have the opportunity to learn programming, wiring techniques, networking and Human to Machine Interface (HMI) development in our advanced PLC lab. They will also learn troubleshooting, calibration and system maintenance working in our paper and chemical process lab.

Instrumentation technicians troubleshoot, maintain, repair, replace and install process control equipment to produce quality products and ensure environmental protection, safety and cost-effective operations. Men and women with a desire to learn advance technologies that will impact corporate profitability are well suited for this career.

Most instrumentation technicians are skilled workers who are employed in many types of industries such as: Pulp and Paper, Chemical, Power Generation, Utilities, and Automotive.



Campus Location
www.ascc.edu

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

Contact
Robert Denton
(334) 637-3153
rdenton@ascc.edu

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

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



The program combines electrical and instrumentation theory with state-of-the-art hands-on labs.

Classes within the area of study include:
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 212 Motor Controls II
ELT 231 Introduction to Programmable Controls
ELT 232 Advanced Programmable Controls
ELT 233 Applied Programmable Controls
ILT 110 Advanced Industrial Process Control Technology
ILT 114 Instrumentation Operation and Calibration
ILT 214 Control and Troubleshooting
ILT 215 Computer Control of Instrumentation/Process Control
ILT 218 Industrial Robotics Concepts

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.

Graduates exit the program with hands-on skills and knowledge recognized by industry partners as the key competencies to succeed in the field of instrumentation technology. In addition, graduates possess skills and knowledge that will assist them in gaining employment locally and worldwide. Alabama Southern's Advanced Technology division also offers degree and certificate programs in Paper and Chemical Technology, Machine Technology/Millwright, Construction Electricity and Welding.

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.

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

