



Machine Technology/ Millwright

ASSOCIATE DEGREE & ONE-YEAR CERTIFICATE

Master new skills with Alabama Southern's machinist/ millwright training program

Enroll in Alabama Southern's intense skills training program for machinists/millwrights and be on your way to a high skill, high paying job in less than a year. Alabama Southern offers a certificate program in Machine Technology/Millwright on our Thomasville campus.

The program combines electrical theory, machine technology and hands-on experience. The industrial 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 complete the 26 credit hour certificate program to get right to work in field.

Alabama Southern offers students in Machine Technology/Millwright training 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, industrial complexes and automobile manufacturing plants. 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.

- Machine Shop Safety
- Measuring Tools
- Lathe Operating
- Drilling Machine Operating
- Saw Operating
- Milling Machine Operation
- Bench grinding
- Operation of Layout instruments
- Upon completion of the courses, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning and milling.

Job Opportunities

Alabama Southern's Manufacturing Training Institute offers complete training for machinist/millwright manufacturing jobs.

Graduates of Machine Technology/Millwright have many job opportunities awaiting them. Some graduates pursue careers, such as machinists,



Campus Location
www.ascc.edu

Thomasville Campus
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Thomasville, AL 36784
(334) 636-9642

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Admissions
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millwrights, CNC (Computer Numerical Controls) Operators and CNC Programmers.

Machinists/millwrights are highly-skilled, multi-craft workers trained to manufacture and install and perform maintenance on machinery, usually in an industrial or commercial setting. Alabama Southern's training program provides students with the skills needed to work with blueprints, hand tools, machines mechanical systems, electricity precision management devices and more. Alabama Southern has Computer Numerical Control machines as well as the most modern machine shop facility in the south.

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, Machine Technology/Millwright students can participate in apprenticeship training. The partnerships have also served as guides for future training, retraining, and skills improvement for 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.

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 information on scholarships please call Gene Tindle.

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

INT 106 Elements of Industrial Mechanics
INT 132 Preventive and Predictive Maintenance
MIT 129 Lathe Operations
MIT 136 Milling Operations
MIT 139 Basic Computer Numerical Control
MIT 147 Introduction to Machine Shop I
MIT 148 Introduction to Machine Shop I Lab
IET 122 Rotating Machinery and Controls
IET 143 Principles of Industrial Electricity

Machine Technology/Millwright Certificate

MTT 121 Basic Print Reading for Machinists
MTT 129 Lathe Operations
MTT 136 Milling Operations
MTT 139 Basic Computer Numerical Control
MTT 140 Basic CNC Turning Programming I
MTT 147 Introduction to Machine Shop I
MTT 148 Introduction to Machine Shop I Lab

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

