



> Industrial Maintenance Technology

Diploma or Associate in Occupational Science

Program Description

In today's rapidly evolving industrial landscape, the role of an Industrial Maintenance Technician has never been more crucial. These skilled professionals are the often-unsung heroes working behind the scenes, ensuring our factories, plants, and machinery operate at peak efficiency. They serve as problem solvers, troubleshooters, and guardians of the equipment that powers factories, plants and businesses.

Through this program, you can explore a variety of industrial systems and acquire essential knowledge of electrical and mechanical equipment. You will learn to identify machinery, understand the theory of operation, and maintenance skills applicable to various applications, including mechanical, hydraulics, and pneumatics. Troubleshooting, reading schematics, and utilizing technical manuals will be integral parts of your toolkit as you gain expertise in both preventive and corrective maintenance. In addition to the hands-on aspects of this program, we will help you hone your soft skills to aid in your professional development.

Course #	Course Requirements	Clock Hours	Credit Hours
ORN120	Fundamentals of Technology	100	4
ELC122	Basic Electricity and Circuits	100	4
ELC123	Intermediate Electricity and Schematics	100	4
ELC127	Structural Wiring	100	4
ELC235	Electrical Motors and Drive Controls	100	4
ELC250	Advanced Energy Systems	100	4
HVA121	Fundamentals of HVAC and Refrigeration	100	4
IMT124	Metal Repair and Fabrication	100	4
IMT138	Pumps and Fluid Control	100	4
IMT231	Hydraulics and Pneumatics	100	4
IMT245	Material Handling and Conveyance	100	4
IMT260	Industrial Control Systems	100	4
Total		1,200	48

With the completion of these three additional courses you will attain your Associates Degree in Occupational Science.

Trades Leadership Courses			
CIS124	Applied Computer Applications	100	4
ENG270	Technical Writing and Applied Communications	100	4
HUM250	Critical Thinking and Leadership Skills	100	4
Total		1,500	60

- Students attend class four days per week on various schedules
- Program length is approximately 15 months
- Graduates will receive a Diploma in Industrial Maintenance Technology

Automotive ▪ Commercial Driving ▪ Electrical Systems Technology ▪ Diesel/Heavy Vehicle ▪ HVAC ▪ Industrial Maintenance Technology ▪ Welding

5700 Southern Boulevard, Virginia Beach, VA 23462 ▪ 757.490.1241 ▪ auto.edu