

CERTIFICATE

Industrial Equipment Technology

curriculum code: 2382 | HEGIS code: 5312

minimum credit hours required: 28

This certificate program prepares students with the necessary interdisciplinary background to troubleshoot, repair, and maintain electrical, mechanical, hydraulic, and pneumatic equipment used in a manufacturing or facilities environment. It will prepare students to obtain the necessary skills for entry-level positions in industrial maintenance as well as other entry-level manufacturing jobs. Job titles may include: Industrial Electrician, Industrial Machinery Mechanic, Installation Technician, Industrial Technician, and Building Maintenance Mechanic. The certificate will also allow personnel presently employed by industry to obtain a credential showing basic competence in the skills necessary for advancement.

Certificate Requirements	
CSC 1560: Computer App Software I, CSC 1580: Computer Hardware & Sys Software, or MCT 1380: Introduction to Solid Modeling	3-4
ELC 1200: Fundamentals of Electricity	3
ELC 1220: Industrial Automation using PLCs	3
ELC 1230: Electric Motors and Control Systems	3
MCT 1210: Applied Pneumatics and Hydraulics	3
MCT 1240: Engineering Drawing with AutoCAD	4
MCT 1270: Machine Theory and Operations	3
MCT 1280: Computer Numerical Control of Machine Tools, or MCT 2220: Automation and Robotics	3
WLD 1350: Shielded Metal Arc Welding, or WLD 1360: Gas Metal Arc Welding, or WLD 1370: Gas Tungsten Arc Welding	3
Total Credits: 28	

IMPORTANT POINT:

To complete the program in two semesters, students must begin in the fall.