



Automated Manufacturing Systems Technician
Elkhorn-Lakeview Campuses

MANUFACTURING MAINTENANCE
(90-628-1)

10 Credits

- This certificate introduces students to basic maintenance functions of automated manufacturing, including interpretation of engineering drawings, laws of mechanics and principles of physics, physical laws of compression, operation of Programmable Logic Controllers (PLC), and diagnostics, troubleshooting, and interfacing the PLC to other controls, networks, and devices.
This certificate leads to careers as maintenance technicians, maintenance supervisors, managers in technically-oriented companies, or industrial technicians.
With proper use of electives, all courses in this certificate may be applied to the Automated Manufacturing Systems Technician associate degree.

REQUIRED COURSES

Table with 4 columns: Course Number, Course Title, Credits, and Sequence. Rows include: 612-102 Pneumatics/Hydraulics - Introduction (3 credits, sequence 1), 620-140 Programmable Controllers (2 credits, sequence 1), 606-111 Blueprint Reading (2 credits, sequence 2), 628-109 Mechanical Skills for Technicians (+3 credits, sequence 2), and a total of 10 credits.

NOTE: Students must complete a certificate program with a minimum of a 2.0 Program GPA.
NOTE: Prerequisites can be waived with departmental approval.