Focusing Education on the Future!

C A R E E R  P A T H W A Y
M A I N T E N A N C E ,
I N S T A L L A T I O N  &  R E P A I R

People with careers in Maintenance, Installation and Repair perform preventive maintenance procedures on machines, tools and equipment. These are performed routinely and on a regular basis. They also troubleshoot and repair electrical, electronic and mechanical systems.

Major Courses

Students must take THREE pathway concentration courses and ONE additional pathway elective course.

Pathway Concentration Courses (3):
- Arc Welding I
- Electrical Systems I
- Intro to Manufacturing/Engineering Sciences
- Introduction to Precision Machining
- Mechanical/Electrical Systems I

Pathway Elective Course (1):
- Apprenticeship/Internship
- Drafting Technology: Introduction
- Engineering Concepts (Pre-Engineering Technology)
- Other Pathway Concentration Course

Other Recommended Courses
- Algebra I
- Informal Geometry
- Integrating Systems
- Physical Science
- Pre-Algebra

Post-Secondary Degrees, Diplomas, & Certificates

Technical Colleges
- Electrical Control Systems
- Industrial Mechanical Technician
- Industrial Motor Control
- Machine Tool Tech
- Welding & Joining Tech

Colleges/Universities
- Applied Science in Technology
- Design Engineering
- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

EMPLOYMENT OUTLOOK

In this pathway, maintenance technicians and repair positions will experience average growth for jobs across all sectors. In addition, job opportunities will be plentiful because of a shortage of qualified applicants. This will, in part, be due to the increasing complexity of equipment. The best job prospects will be for those with broad skill sets.

* Pre-requisites noted in course descriptions.