

SKILLS CERTIFICATE, INDUSTRIAL ELECTRICITY ONE

Program Description

This skills certificate prepares students to take the PMMI Mechatronics Certifications Tests in the area of Industrial Electricity One.

This program is not eligible for financial aid. However, it may be eligible for scholarship funding if the student is awarded scholarships.

Recommended Course Schedule

1st semester		Units
ELM 110	Electrical/Electronic Circuits	4
ELM 127	Introduction to AC Controls	3
ELM 129	Electric Motors and Drives	3
Semester Total		10
Total Units		10

Skills Certificates provide training for entry level positions or career advancement and are designed to prepare students to take state, national and/or industry-recognized certifications or licensing exams. Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester (Student are unable to declare intent to complete a skills certificate.) Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0
2. Have no financial or library obligation to the college

Code	Title	Units
Certificate Requirements		
ELM 110	Electrical/Electronic Circuits	4
ELM 127	Introduction to AC Controls	3
ELM 129	Electric Motors and Drives	3
Total Units		10

Students completing this certificate will:

- Apply theory of electricity and its application in various technical areas and use basic electronic measurement instruments for circuit troubleshooting.
- Evaluate DC series and parallel circuits in component selections and circuit design and be able to demonstrate AC circuitry through simple experiments with tests equipment.
- Apply relationships and mathematical calculations of voltage, ohms, amperes, three-phase voltage, and current to analyze basic electrical/electronic circuits.