

(H94) Certificate

This program is designed to prepare individuals for work with maintenance staffs of local industries, specifically in the area of electrical control mechanisms.

Work and Employment

In our society, industries of one type or another produce almost all of our nation's goods. These industries rely on the machines, including robots that industrial mechanics maintain and repair. Maintenance workers in this field also care for buildings and work on plumbing, electrical, and air conditioning and heating systems.

Program Contacts at Sauk Valley Community College

Academic Advising, 815/835-6354.

Major Field Requirements

- ELT 101 - Electrical Wiring 3 Semester hour(s)
- ELT 120 - Fundamentals of Electricity with Applied Mathematics 3 Semester hour(s)
- ELT 259 - Industrial and Agricultural Wiring 3 Semester hour(s)
- ELT 261 - National Electric Code 3 Semester hour(s)
- ELT 262 - Electrical Controls 3 Semester hour(s)
- ENE 130 - Photovoltaics 3 Semester hour(s)
- IND 108 - Introduction to CAD 2 Semester hour(s)
- IND 118 - Mechanical Systems 3 Semester hour(s)
- IND 131 - OSHA Standards 1 Semester hour(s)

Total Hours Required for Certificate: 24

Note:

* Students may choose CIS 109 in lieu of IND 105.

Suggested Program

First Semester - Sem/Hrs: 11

- ELT 101 - Electrical Wiring 3 Semester hour(s)
- ELT 120 - Fundamentals of Electricity with Applied Mathematics 3 Semester hour(s)
- IND 108 - Introduction to CAD 2 Semester hour(s)
- IND 118 - Mechanical Systems 3 Semester hour(s)

Second Semester - Sem/Hrs: 13

- ELT 259 - Industrial and Agricultural Wiring 3 Semester hour(s)
- ELT 261 - National Electric Code 3 Semester hour(s)
- ELT 262 - Electrical Controls 3 Semester hour(s)
- ENE 130 - Photovoltaics 3 Semester hour(s)
- IND 131 - OSHA Standards 1 Semester hour(s)

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