

This program is designed to prepare individuals to work in maintenance crews for industrial manufacturing maintenance departments, 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 maintenance workers install, maintain, troubleshoot, and repair. Maintenance workers in this field also facilitate and work on electrical, mechanical, plumbing, and heating and air conditioning systems..

### **Program Contacts at Sauk Valley Community College**

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- Academic Advising, 815-835-6354
- Jeff Johnson, Multicraft Instructor, 815-835-6572

## **Total Hours Required - 23 Hours**

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### **Major Field Requirements - 23 Hours**

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- ELT 101 - Electrical Wiring (3 Semester Hours)
- ELT 120 - Fund of Elec w/ Applied Math (3 Semester Hours)
- ELT 259 - Industrial & Agric Wiring (3 Semester Hours)
- ELT 261 - National Electric Code (3 Semester Hours)
- ELT 262 - Electrical Controls (3 Semester Hours)
- IND 108 - Introduction to CAD (2 Semester Hours)
- IND 118 - Mechanical Systems (3 Semester Hours)
- IND 219 - Industrial Troubleshooting (3 Semester Hours)

## **Suggested Program**

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### **First Semester - 11 Hours**

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- ELT 101 - Electrical Wiring (3 Semester Hours)
- ELT 120 - Fund of Elec w/ Applied Math (3 Semester Hours)
- IND 108 - Introduction to CAD (2 Semester Hours)
- IND 118 - Mechanical Systems (3 Semester Hours)

### **Second Semester - 12 Hours**

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- ELT 259 - Industrial & Agric Wiring (3 Semester Hours)
- ELT 261 - National Electric Code (3 Semester Hours)
- ELT 262 - Electrical Controls (3 Semester Hours)
- IND 219 - Industrial Troubleshooting (3 Semester Hours)