

Graduates of this program will be able to utilize and maintain various types of solid state sensors and controls in industrial applications.

### **Work and Employment**

This program is designed to prepare a student for employment in industrial controls. This will include solid state and digital circuitry for the control of industrial equipment and the operation of programmable controls.

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

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- Academic Advising, 815-835-6354
- Steven McPherson, Assistant Professor of Electronics/Technology, 815-835-6347

## **Total Hours Required - 20 Hours**

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### **Major Field Requirements - 20 Hours**

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- MAT 106 - Applied Mathematics (3 Semester Hours)  
**OR HIGHER MAT COURSE**
- EET 107 - Intro to DC and AC Circuits (4 Semester Hours)
- EET 110 - Intro to Digital Control (4 Semester Hours)
- EET 207 - Advanced Circuits (3 Semester Hours)
- EET 245 - Programmable Controllers (3 Semester Hours)
- EET 261 - Adv Programmable Controllers (3 Semester Hours)

## **Suggested Program**

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

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- EET 107 - Intro to DC and AC Circuits (4 Semester Hours)
- EET 110 - Intro to Digital Control (4 Semester Hours)
- MAT 106 - Applied Mathematics (3 Semester Hours)

**OR**

HIGHER

### **Second Semester - 6 Hours**

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- EET 207 - Advanced Circuits (3 Semester Hours)
- EET 245 - Programmable Controllers (3 Semester Hours)

### **Third Semester - 3 Hours**

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- EET 261 - Adv Programmable Controllers (3 Semester Hours)