Industrial Controls Certificate

This certificate is designed to focus on programmable logic controllers and a variety of input and output devices. The certificate is a 9-credit-hour, 3-course sequence involving both the hardware and programming aspects of controllers used in industrial processes. Lectures provide a theoretical basis and laboratory projects offer experience in controller program planning, documentation and troubleshooting.

Suggested/Sample Course Sequence

The sequence taken by the student may vary depending on prerequisites, course availability, and personal/ professional responsibilities.

(Major Code 4720; State CIP Code 47.0101)

- Electronics Technology (http://www.jccc.edu/electronics)

First Semester

ELEC 131	Introduction to Sensors and Actuators	3
ELEC 133	Programmable Controllers	3
Total Hours		6

Second Semester

ELEC 165	Advanced Programmable Controllers*	3
Total Hours		3

Total Program Hours: 9