

ILT 210: Mechatronics

This course covers the components that make up a mechatronics system. Students will learn the functions of the electrical components, electrical drives and mechanical components and the roles that they play in the system. The student is also introduced to basic PLC networking with Ethernet-type devices. Students will also be introduced to other types of networking protocols and network security. Students gain knowledge in the selection of PLC equipment used to control mechatronics systems. By understanding the complete system, students will learn and apply troubleshooting strategies to identify, localize and (where possible) to correct malfunctions.

Credits: 3

Transfer Code: Code C

Lab Hours: 4

Lecture Hours: 1

Prerequisites:

As required by program

Program: Industrial Electronic Technology

Semester Offered:

Fall

Spring

Summer