

Manufacturing Technology (MFT)

MFT 103 Industrial Robots and PLCs

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course introduces the student to industrial robots. Included is the operation of PLCs. The student will learn ladder diagram programming of PLCs and point-to-point programming for industrial robots. The student will also write programs to integrate various equipment using the PLCs.

MFT 110 Statistical Process Control

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to give students an understanding of quality and the use of statistical process control. Topics covered in this class include: quality, bar charts, Pareto diagrams, histograms, X-R charts, I-R charts, P charts, and process capability.

MFT 201 PLC Manufacturing Systems

3 Hours

Prerequisites: MFT 103 and ELT 100 or 102 or consent of instructor

4 hours weekly (2-2)

This course gives the student hands-on experience with PLC systems. Included are certain technical and internal integration technologies utilizing automated manufacturing systems to demonstrate how CIM works in application. Supporting equipment will also be used.