

2018-2019 TTC Catalog - Automated Manufacturing Technology (AMF)

AMT 105 - Robotics and Automated Control I

Lec: 2.5 **Lab:** 1.5 **Credit:** 3.0

This course includes assembling, testing, and repairing equipment used in automation. Concentration is on connecting, testing and evaluating automated control systems. Industrial robot systems will be explored.

Prerequisite

EEM 252

Grade Type: Letter Grade

Division: Engineering and Construction

AMT 205 - Robotics and Automated Control II

Lec: 2.0 **Lab:** 3.0 **Credit:** 3.0

This course covers installation, testing, troubleshooting, and repairing of automated systems. Sensors, servo motors, stepper motors, robot programming and robot maintenance will be covered.

Prerequisite

AMT 105

Grade Type: Letter Grade

Division: Engineering and Construction

AMT 209 - Automation Networks-Ethernet

Lec: 2.5 **Lab:** 1.5 **Credit:** 3.0

This course provides a study and implementation of Ethernet transmission protocol in automation networks. It includes PLC interfacing to Ethernet cabling and Ethernet capable instrumentation. Additional topics include the OSI model and distributed BUS networking.

Prerequisite

EIT 244

and

Corequisite

EEM 252

Grade Type: Letter Grade

Division: Engineering and Construction
