MANUFACTURING SYSTEMS TECHNOLOGY (MST)

MST 200 (3 credit hours)

Advanced Hydraulic Systems

The advanced hydraulic systems class will cover design, repair, and troubleshooting of hydraulic systems. Lecture: 3 credits (45 contact hours).

Pre-requisite: FPX 100, FPX 101. Attributes: Technical Components: LEC: Lecture

MST 201 (2 credit hours)

Advanced Hydraulic Systems Lab

The advanced hydraulic systems lab will cover design, repair, and troubleshooting of hydraulic systems. Laboratory: 2 credits (90 contact hours).

Pre-requisite: FPX 100, FPX101. Attributes: Technical Components: LAB: Laboratory

MST 204 (3 credit hours)

Advanced Pneumatic Systems

Design, repair, and troubleshooting of pneumatic systems will be covered in this course. Lecture: 3 credits (45 contact hours). **Pre-requisite:** FPX 100, FPX 101. **Attributes:** Technical

Components: LEC: Lecture

MST 206 (3 credit hours) Electrohydraulics

Introduces electronic/electrical controls as it pertains to hydraulic valve control with the emphasis on automation, robotic and servo control. Lecture: 3 credits (45 contact hours). **Pre-requisite:** (ENGT 110 and FPX 100) or Consent of Instructor. **Co-requisite:** MST 207.

Attributes: Technical

Components: LEC: Lecture

MST 207 (2 credit hours)

Electrohydraulics Lab

Introduces electronic/electrical controls as it pertains to hydraulic valve control with the emphasis on automation, robotic and servo control. Laboratory: 2 credits (90 contact hours).

Pre-requisite: (ENGT 111 and ENGT 113 and FPX 101) or Consent of Instructor.

Co-requisite: MST 206. **Attributes:** Technical **Components:** LAB: Laboratory