COURSES

MAINTENANCE

MNT-110 Introduction to Maintenance Procedures Lec 1 Lab 3 Clinic 0 Credit 2
This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other scheduled maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards.

Co-Requisites: None
Pre-Requisites: None

MNT-165 Mechanical Industrial Systems Lec 1 Lab 3 Clinic 0 Credit 2
This course covers mechanical components used in industrial machine operations. Emphasis is placed on mechanical drives, belts, gears, couplings, electrical drives, and other related topics. Upon completion, students should be able to demonstrate an understanding of industrial machines and be able to maintain this equipment.

Co-Requisites: None
Pre-Requisites: None

MNT-220 Rigging and Moving Lec 1 Lab 3 Clinic 0 Credit 2
This course covers the principles of safe rigging practices for handling, placing, installing, and moving heavy machinery and equipment. Topics include safety, weight and dimensional estimation, positioning of equipment slings, rollers, jacks, levers, dollies, ropes, chains, padding, and other related topics. Upon completion, students should be able to safely relocate and set up equipment using accepted rigging practices.

Co-Requisites: None
Pre-Requisites: None

MNT-240 Indust Equip Troubleshoot Lec 1 Lab 3 Clinic 0 Credit 2
This course covers the various service procedures, tools, instruments, and equipment necessary to analyze and repair typical industrial equipment. Emphasis is placed on electro-mechanical and fluid power equipment troubleshooting, calibration, and repair, including common techniques and procedures. Upon completion, students should be able to troubleshoot and repair industrial equipment.

Co-Requisites: None
Pre-Requisites: None

MNT-263 Electrical-Pneumatic Components Lec 2 Lab 4 Clinic 0 Credit 4
This course introduces principles and practical applications of electrical/pneumatic control systems and primary control devices incorporated in those systems. Emphasis is placed on reading and interpreting ladder diagrams, building control circuits, and troubleshooting valves, switches, and sensors. Upon completion, students should be able to design, build, and troubleshoot basic electro-pneumatic control systems.

Co-Requisites: None
Pre-Requisites: None