Industrial Maintenance Technology, CTS – 33 credit hours

ABOUT

The Industrial Maintenance Technology program prepares individuals to install, repair, and maintain industrial machinery and equipment such as pumps, motors, pneumatic and hydraulic systems, and production machinery. It includes instruction in testing, adjusting, and repairing pneumatic and hydraulic systems, attaching supplemental equipment such as hoses, valves, gates, mechanical, electrical, and electronic control devices. The general knowledge usually required in industrial maintenance is an understanding of reading mechanical schematics, mechanical applications, electric motor applications, pump systems, and safety. The correct tools and the comprehension of how to use them can be crucial for fixing potential machinery problems. Accurately reading schematic blueprints enables the technician to understand how a particular machine works. Safety is also a pivotal aspect of industrial maintenance.

CAMPUS

River City Site

CAREER INFORMATION

Outlook: 12% increase in jobs by 2026
LA Star Rating: 5-stars
Salary: $55,185/year or $26.53/hour

PROGRAM ADMISSION

Courses with a prefix of MANF require students to be eligible for (completion not required) ENGL 072, MATH 113, and READ 101.

FINANCIAL AID ADVISOR

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PROGRAM SEQUENCE

Semester 1

ELEC 112 Basic Electricity
4 credits

MANF 211 Industrial Maintenance Mechanic
Co-Requisite: TECH 101
3 credits

MANF 215 Applied Pneumatic Technology
3 credits

***TECH 101** NCCER Technical Core
3 credits

Semester 2

MANF 216 Applied Hydraulic Technology
3 credits

MANF 217 Mechanical Drives & Alignment
3 credits

MANF 218 Fluid Piping Systems
3 credits

Semester 3

MANF 212 Industrial Maintenance Mechanic II
Pre-Requisite: MANF 211
5 credits

MANF 219 Applied Pump Systems
3 credits

MANF 220 Process Control Systems
3 credits