MOORE NORMAN
TECHNOLOGY CENTER

Course Syllabus

Industrial Maintenance Technician

TI1623

Hours : In Class 92 Clinical 0 Total 92

Description

Industrial Maintenance Technicians are needed in every aspect of manufacturing and production. This entry-level course will provide basic required competencies for this position. Students gain knowledge and hands-on experience in electrical and mechanical maintenance. Course emphasizes troubleshooting systems in an industrial plant or manufacturing facility to ensure proper equipment functionality.

Books

Industrial Mechanic 4th ed	- ISBN: 978-0-8269-3712-4	(Included)
Industrial Mechanic workbook	- ISBN: 978-0-8269-3713-1	(Included)

Learning Objectives

Successful completion of this course includes demonstration of:
-Electrical safety in industrial operations
-Circuit analysis using Ohm's Law and Kirchoff's Law
-Relay ladder logic
-Electrical symbols and diagrams
-Basic hydraulic theory
-Basic pneumatic theory
-Basic mechanical maintenance technology
-Basic preventive maintenance operations

Teaching Philosophy

We believe that instructors, staff, and administrators have a shared responsibility to provide: 1) innovative course design and instruction; 2) a safe, learner-centered environment; and 3) an authentic learning experience.

Teaching Methods

Lecture, lab

Student Responsibilities

To ensure a quality and safe learning environment, students are required to follow the Post-Secondary Student Behavior policy #560. This policy can be found at www.mntc.edu/board-policies. Printed copies are available upon request.

Good basic math skills