INDUSTRIAL MAINTENANCE TECHNICIAN (ONLINE)

Virtual Skills Academy from Sandhills Community College offers a quick-start road map that allows individuals to build knowledge in preparation for a career in manufacturing. This online academy is intended to provide basic industrial maintenance understanding and bring awareness to opportunities available within the manufacturing industry. Courses are stacked to follow a job progression plan. Unlike many other training programs, the Virtual Skills Academy requires minimal preparation. It is efficient, effective training that has been developed with input from manufacturing experts.

FLEXIBLE AND CONVENIENT
Online classes are self-paced, and easy to access through smart phones, tablets, and computers. Each course provides pre- and post-assessments and the ability to review and learn through a variety of engaging activities.

CAREER PATHWAYS FOR ASSEMBLY JOB ROLES
Combine job roles for learning pathways, or offer single job roles for targeted learning. Large comprehensive programs also available.

Virtual Skills Academy Provides:
- Preset curriculum
- Engaging online classes
- Supplemental videos
- Pre- and post-training knowledge assessments
- Guidance from Sandhills Community College Staff
- Readiness for On-the-Job Training
- Preparation for entry-level jobs in manufacturing
- Demonstrated proof of aptitude
- Opportunity to showcase personal initiative
MAINTENANCE FUNDAMENTALS

Math Fundamentals
Math: Fractions and Decimals
Units of Measurement
Basics of Tolerance
Blueprint Reading
Basic Measurement
Calibration Fundamentals
Hole Standards and Inspection
Thread Standards and Inspection
Intro to OSHA
Personal Protective Equipment
Noise Reduction and Hearing Conservation
Respiratory Safety
Lockout/Tagout Procedures
SDS and Hazard Communication
Bloodborne Pathogens
Walking and Working Surfaces
Fire Safety and Prevention
Flammable/Combustible Liquids
Hand and Power Tool Safety
Safety for Lifting Devices
Powered Industrial Truck Safety
Confined Spaces
Introduction to Physical Properties
Introduction to Mechanical Properties
Introduction to Metals
Ferrous Metals
Lean Manufacturing Overview
ISO 9001:2015 Review
Approaches to Maintenance
Total Productive Maintenance
5S Overview
Electrical Units
Safety for Electrical Work
Introduction to Mechanical Systems
Safety for Mechanical Work
Forces of Machines

ALGEBRA FUNDAMENTALS

Math Fundamentals
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Units of Measurement
Basics of Tolerance
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Hole Standards and Inspection
Thread Standards and Inspection
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