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 knowledge and understanding and bring awareness to opportunities within the manufacturing industry. The CPT program focuses on the concertation disciplines of Safety; Quality Practices & Measurement; Manufacturing Processes & Production; and Maintenance Awareness. 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 CERTIFIED PRODUCTION TECHNICIAN – PART 1 (Safety and Quality)

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
CERTIFIED PRODUCTION TECHNICIAN
PART 1 (SAFETY AND QUALITY)

Get ready for your career to TAKE OFF

SAFETY
- Environmental Safety Hazards
- Flammable/Combustible Liquids
- Powered Industrial Truck Safety
- Safety for Lifting Devices
- SDS and Hazard Communication
- Lubricant Fundamentals
- Production System Design and Development
- Rigging Equipment
- Essentials of Leadership
- Managing Performance: Best Practices
- Managing Performance: Corrective Actions
- Intro to OSHA
- Fall Protection
- Hand and Power Tool Safety
- Lockout/Tagout Procedures
- Machine Guarding
- Safety for Assembly
- Safety for Mechanical Work
- Safety for Metal Cutting
- Stamping Safety
- Conflict Resolution for Different Groups
- Conflict Resolution Principles
- Essentials of Communication
- Noise Reduction and Hearing Conservation
- Personal Protective Equipment
- Respiratory Safety
- Fire Safety and Prevention
- Lean Manufacturing Overview
- Management Tools: Product and Process Design
- Troubleshooting
- Quality and Customer Service
- Quality Overview

QUALITY
- Calibration Fundamentals
- ISO 9001: 2015 Review
- Quality Overview
- SPC Overview
- Statistics
- Basics of Tolerance
- Blueprint Reading
- Introduction to GD&T
- Major Rules of GD&T
- Interpreting Blueprints
- Introduction to Fastener Threads
- Basic Measurement
- SS Overview
- Conducting an Internal Audit
- Continuous Process Improvement: Identifying and Eliminating Waste
- Troubleshooting
- Intro to Six Sigma
- Total Quality Management Overview
- Lean Manufacturing Overview
- Basic Measurement

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