

# CERTIFIED PRODUCTION TECHNICIAN PART 1 (SAFETY AND QUALITY)

## TAKE OFF WITH ADVANCED MANUFACTURING VIRTUAL LEARNING

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 concentration 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.

SAFETY

QUALITY



### 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

GEER Scholarships Funding Available  
Contact us for more information

[www.sandhills.edu/continuing-education](http://www.sandhills.edu/continuing-education) | 910-695-3980



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## 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

Team Leadership  
Bloodborne Pathogens  
Safety for Electrical Work  
Confined Spaces  
Ergonomics  
Walking and Working Surfaces  
Safety for Soldering  
Welding Safety Essentials

### 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  
5S 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

Math Fundamentals  
Math: Fractions and Decimals  
Units of Measurement  
Quality and Customer Service



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