

# MOLD/EXTRUSION OPERATOR

## TAKE OFF WITH ADVANCED MANUFACTURING VIRTUAL LEARNING

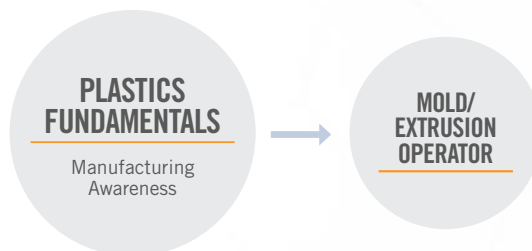
Virtual Skills Academy from Sandhills Community College offers a quick-start road map that allows individuals to build knowledge in preparation for a career in manufacturing. This online academy is intended to provide basic mold and plastic extrusion processes understanding and bring awareness to opportunities 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 MOLD/EXTRUSION OPERATOR 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

GEER Scholarships Funding Available  
Contact us for more information

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## Get ready for your career to TAKE OFF

### PLASTICS PROCESSING FUNDAMENTALS

Basic Measurement  
Basics of Tolerance  
Blueprint Reading  
Calibration Fundamentals  
Hole Standards and Inspection  
Thread Standards and Inspection

5S Overview  
Lean Manufacturing Overview  
Introduction to Mechanical Properties  
Introduction to Plastics  
ISO 9001 Review  
Bloodborne Pathogens

Fire Safety and Prevention  
Hand and Power Tool Safety  
Intro to OSHA  
Lockout/Tagout Procedures  
Noise Reduction and Hearing Conservation

Personal Protective Equipment  
Powered Industrial Truck Safety  
Safety for Lifting Devices  
SDS and Hazard Communication  
Walking and Working Surfaces  
Geometry: Circles and Polygons

Geometry: Lines and Angles  
Geometry: Triangles  
Math Fundamentals  
Math: Fractions and Decimals  
Trigonometry: Sine, Cosine, Tangent  
Units of Measurement

### MOLD EXTRUSION OPERATOR

Advanced Thermoset Resins for Composites  
Composite Inspection and Defect Prevention  
Intro to Compression Molding  
Electrical Units

Safety for Electrical Work  
Fittings for Fluid Systems  
Introduction to Fluid Conductors  
Introduction to Hydraulic Components

Introduction to Pneumatic Components  
Preventive Maintenance for Fluid Systems  
Safety for Hydraulics and Pneumatics  
The Forces of Fluid Power

Thermoplastics  
Thermosets  
Forces of Machines  
Introduction to Mechanical Systems  
Safety for Mechanical Work

Intro to Machine Rigging  
Rigging Equipment  
Rigging Inspection and Safety  
Rigging Mechanics



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