

This 12-credit course serves as an introduction to manufacturing. The knowledge and skills acquired in this course are required for entry-level positions in diverse workplace scenarios with special emphasis on aerospace. Skills learned in this program are taught using applied methods where training is practical and hands-on.

Course Topics

Core Workplace Skills

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- Reading for Information
- Applied Mathematics
- Problem Solving and Critical Thinking

Technical Skills

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- Blueprint Reading
- Manufacturing Basics and Environment
- Precision Measurement Tools and Techniques
- Quality Assurance
- Introduction to Lean and Six Sigma
- Shop Tools and Vocabulary
- First-Aid, OSHA-Safety and Ergonomics

Advanced Manufacturing Introduction

- Introductions to Composites
- Introduction to Precision Machining
- Introduction to Technical Design (CAD)
- Introduction to Fabrication and Welding

Soft Skills

- Personal Accountability
- Timeliness and Work Ethics
- Teamwork
- Professionalism
- Communication and Workplace Culture

Soft Skills & Job Finding Skills

Job Finding Skills

- Resumes and Cover Letters
- Online Job Applications
- Behavioral Interviewing

Does your career need a boost?

Rise to the top of the job applicant pool. In this course, you can add two nationally recognized certificates and one regionally recognized certificate to your resume. You can earn the National Career Readiness Certificate, the OSHA 10-Hour Certificate and the EvCC Manufacturing Pre-Employment Certificate while earning credit toward a degree.

Research has shown a clear gap between the skills of our nation's workforce and the basic skills that employers are looking for. To reduce the cost of remedial training, employers can identify these skills before hiring, using pre-employment assessments.

The National Career Readiness Certificate (NCRC) is a pre-employment assessment. It's a credential based on the WorkKeys® assessments that shows employers whether an individual has the basic workplace skills required for today's jobs, such as reading, math and locating information.

Build skill in three areas.



Increase skills and learn about manufacturing.

Upon successful completion of the course, students will be able to identify and explain manufacturing standards and operations, communicate as a team player and meet project time lines.

This course focuses on work place skills: applied mathematics, locating information, reading for information, and soft skills needed for successful employment.

Enroll Today in MFG T 102 - Manufacturing Employment Readiness.

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