

# APR 105M : MANUFACTURING TRADES CAREER BUILDER

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## Transcript title

MFG Trades Career Builder

## Required materials

No materials needed.

## Credits

4

## Grading mode

Standard letter grades

## Total contact hours

60

## Lecture hours

30

## Lab hours

30

## Recommended preparation

APR 100M and APR 107M.

## Course Description

Prepares students to confidently enter the manufacturing workforce by developing essential safety, career, and professional skills. Participants will complete industry-recognized certifications in safety, including OSHA-10, CPR/First Aid, and forklift operation, while learning foundational shop and workplace safety practices. Through industry exposure, students will explore local manufacturing facilities, apprenticeship pathways, and degree options, gaining insight into career opportunities and workplace expectations. This course emphasizes personal and professional development through resume and interview preparation, mock interviews, and training in communication, teamwork, and growth mindset. By the end of the course, students will demonstrate an understanding of workplace safety, career preparedness, and professional behaviors essential for success in manufacturing and related technical fields.

## Course learning outcomes

1. Apply workplace safety principles in compliance with OSHA-10, CPR/First Aid, and forklift operation standards.
2. Identify key apprenticeship, degree, and employment pathways available within the manufacturing industry.
3. Demonstrate effective communication, teamwork, and professionalism in simulated workplace settings.
4. Develop a resume and interview strategy that reflects industry expectations and individual career goals.

## Content outline

1. Worksite Safety
2. Industry Exposure
3. Workforce Readiness