
SECTION HEADING

CMAE 1518: Manufacturing Process and Production

Description

Manufacturing Process and Production emphasizes lean manufacturing principles, basic supply chain management, communication skills, and customer service. This course is designed to align with the National Skills assessment and certification system for Maintenance Awareness. The course curriculum is based upon federally-endorsed national standards for production workers

Credits

2

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Identify customer needs
2. Production processes
3. Equipment set up
4. Job assignments
5. Material requirements
6. Process compliance
7. Customer requirements

Learning Outcomes

1. Demonstrate an understanding of manufacturing and production processes.
2. Identify customer needs to ensure that processes are in compliance with customer requirements.
3. Interpret job assignments to meet production goals.
4. Analyze workflow of team members & work groups to meet production goals.
5. Utilize lean and high-performance manufacturing principles to improve the manufacturing process.
6. Communicate material and product requirements

Credit Details

Lecture: 2

Lab: 0

OJT: 0

MnTC Goal Area(s): None