
SECTION HEADING

CMAE 1522: Quality Practices

Description

Quality Practices introduces quality management systems and its components. 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. Quality management systems
2. Internal audit of processes
3. Continuous improvement
4. Material inspection
5. Corrective actions and preventive actions
6. Metrics
7. Control of non-conforming product

Learning Outcomes

1. Explain the basics of quality management systems.
2. Demonstrate testing and measuring for data collection.
3. Apply process control for quality assurance.
4. Apply key principles of continuous improvement.
5. Communicate quality problems.
6. Participate in internal audit activities.
7. Document test results and corrective actions to restore or maintain quality.

Credit Details

Lecture: 2

Lab: 0

OJT: 0

MnTC Goal Area(s): None