

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

Trade, Technology, Engineering, and Industrial Education

Grade: Grade 9 - 12

Course: Advanced Manufacturing II **Updated**

NCCTE.2020.IM12 - Advanced Manufacturing II

NCCTE.2020.IM12.01.00 - Understand quality practices and measurement to manufacturing processes and production (MSSC-M2).

NCCTE.2020.IM12.01.01 - Understanding multi-view drawing in blueprints.

NCCTE.2020.IM12.01.02 - Understanding assembly drawings and fasteners in blueprints.

NCCTE.2020.IM12.01.03 - Understanding geometric dimensioning and tolerancing in blueprint drawings.

NCCTE.2020.IM12.01.04 - Understand basic measurement.

NCCTE.2020.IM12.01.05 - Understand precision measurement tools.

NCCTE.2020.IM12.01.06 - Understand dimensional gauging.

NCCTE.2020.IM12.01.07 - Understand quality systems.

NCCTE.2020.IM12.01.08 - Understand the use of SPC (statistical process control).

NCCTE.2020.IM12.01.09 - Understand the use of control charts.

NCCTE.2020.IM12.01.10 - Understand continuous improvement in the manufacturing process.

NCCTE.2020.IM12.02.00 - Understand manufacturing processes and production standards (MSSC-M3).

NCCTE.2020.IM12.02.01 - Understand mechanical principles used in manufacturing.

NCCTE.2020.IM12.02.02 - Understand mechanical linkages used in manufacturing.

NCCTE.2020.IM12.02.03 - Understand material quality control.

NCCTE.2020.IM12.02.04 - Understand manufacturing materials and processes.

NCCTE.2020.IM12.02.05 - Understand machining processes in manufacturing.

NCCTE.2020.IM12.02.06 - Understand machine tooling used in manufacturing.

NCCTE.2020.IM12.02.07 - Understand machine operations in manufacturing.

NCCTE.2020.IM12.02.08 - Understand hand tools used in manufacturing.

NCCTE.2020.IM12.02.09 - Understand equipment procedures used in manufacturing.

NCCTE.2020.IM12.02.10 - Understand manufacturing production planning and workflow.

NCCTE.2020.IM12.02.11 - Understand manufacturing metrics.

NCCTE.2020.IM12.02.12 - Understand production control.

