



Manufacturing

This program includes five courses with curriculum developed by Manufacturing Skills Standards Council (MSSC). This program is approved by Manufacturing Institute to instruct transition soldiers to an assessment of Certified Production Technician (CPT). (Total 352 hours)

OSHT 1001 Introduction to Safety and Health

An introduction to the basic concepts of safety and health. (48 hours)

MFGT 1002 Introduction to Automated Manufacturing

Overview of automated manufacturing principles; including manufacturing process, control systems, and measurement theory. (80 hours)

ENTC 2031 Manufacturing Materials

Identification of materials used in manufacturing including metals, plastics, composite materials, concrete, ceramics and wood. Includes application of material properties and quality standards for selection of materials to manufacture components. (64 hours)

INMT 1019 Manufacturing Process

Exploration of a variety of methods used in manufacturing. Theory and application of processes including but not limited to metal forming, welding, machining, heat treating, plating, assembly procedures, and process control considerations, casting and injection molding. (80 hours)

MFGT 1006 Mechanical Principles in Automated Manufacturing

Overview of mechanical principles used in automated manufacturing. Includes common measurement methods, engineering drawings, and mechanical methods used in automated manufacturing. (80 hours)