

Manufacturing (MFGT)

MFGT 210. CAD/CAM I. 3 Credits.

A course in the principles and application of CAD/CAM and CNC technology. Students will solve problems associated with coordinate geometry, database exchange, G and M codes.

MFGT 252. CNC Machining. 3 Credits.

An introduction to the fundamentals and applications of Computer Numerical Control in machining. Course content includes machine configurations, CNC process flow, visualization of program execution, coordinate systems, types of motion, tool length compensation, and program formatting.

Prerequisites: METL 155 Machining Processes.

MFGT 279. Cooperative Education. 1-12 Credits.

A planned supervised work-learning experience in industry, business, government, or community service agencies related to the University program of study. Prerequisites: Two semesters of attendance at Montana State University-Northern, Dean of the College of Technical Sciences, and cooperative education coordinator. Pass/Fail only.

MFGT 298. Independent Study. 1-12 Credits.**MFGT 391. Special Topic. 3 Credits.**

Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

MFGT 392. Independent Study. 3 Credits.

Provides an opportunity for students to engage in directed research and study on an individual basis rather than in a formal class environment.

MFGT 491. Special Topic. 3 Credits.

Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.