ADMFG 141: Introduction to CNC Programming

This course introduces students to programming related to the operation of CNC (computer numerically controlled) equipment. Students will learn to plan programs, verify programs, prepare commands, control spindle and feed rates, and tool functions.

Course Student Learning Outcomes

1. Plan and design computer numerically controlled programs.

2. Use programming terminology, symbols, and formats.

3. Demonstrate knowledge of G-code types and functions.

4. Program appropriate feed and spindle rates.

5. Identify and apply proper tool function.

6. Verify and analyze program errors.

Credits: 3

Program: **Advanced Manufacturing / Composites Technology**