

CNC MACHINIST/FABRICATOR, COLLEGE CREDIT CERTIFICATE

Program Code: CNCC

Meta-Major: INMC

Location(s): Cocoa

Delivery Method(s): On-Campus

Previous Degree Required: HS Diploma

Eligible for Financial Aid: No

Additional Limited Access Application Process Required: No

Program Testing Requirements:

Classification of Instructional Programs (CIP) Code: 48.0510

Florida Department of Education CIP Code: 0648051002

This certificate is part of the [Engineering Technology A.S.](#) degree program.

This college credit certificate program offers a sequence of courses to prepare students for entry-level computer numeric control machining positions within the manufacturing industry.

Content includes, but is not limited to, safety and quality practices, familiarity with computer-aided drafting/computer-aided manufacturing software, proper use of hand tools, and maintenance and operation of manual machining and computer numeric control (CNC) equipment. Credits earned in this certificate also apply to the [Associate in Science \(A.S.\) degree in Engineering Technology](#). [Visit the program page for more details and how to apply.](#)

Certificate Requirements

Code	Title	Credit Hours
Major Courses		
ETDC 2364	SolidWorks Fundamentals	3
PMTC 1203	Introduction to Machining	3
PMTC 2213	Advanced Machining 1	3
PMTC 2214	Advanced Machining 2	3
Total Credit Hours		12

Learning Outcomes: CNC Machinist/ Fabricator, College Credit Certificate

1. Demonstrate knowledge of basic laws of electronics.
 - *Supports Core Ability: Think Critically and Solve Problems*
2. Demonstrate industrial safety, health, and environmental requirements.
 - *Supports Core Ability: Process Information*
3. Demonstrate methods of quality assurance in manufacturing.
 - *Supports Core Ability: Process Information*
4. Demonstrate modern industrial processes and materials.
 - *Supports Core Ability: Process Information*
5. Demonstrate proficiency using tools, instruments and testing devices
 - *Supports Core Ability: Think Critically and Solve Problems*