

# COLLEGE CREDIT CERTIFICATE - COMPOSITE FABRICATION AND TESTING

**Previous Degree Required:** HS Diploma

**Eligible for Financial Aid:** Yes

**Delivery Method(s):** On-Campus, Hybrid

**Location(s):** Cocoa, Palm Bay

**Additional Limited Access Application Process Required:** No

**Program Testing Requirements:** Not Required

**Academic Community:** INMC Industry/Manufacturing and Construction

**Program Code:** CFCC

**Classification of Instructional Programs (CIP) Code:** 15.0617

**Florida Department of Education CIP Code:** 0615061700

This certificate is part of the A.S. Engineering Technology degree.

This certificate program will prepare the student for entry-level employment in composite material fabrication, composite production of fiberglass lamination and fabrication, or to provide supplemental training for individuals previously or currently employed. Credits earned in this certificate also apply to the A.S. Engineering Technology.

Refer to the [College Credit Certificate](#) overview page to find information about admission, graduation, general education and other requirements.

Visit the [program page](#) for more information.

## Certificate Requirements

Code	Title	Credit Hours
<b>Major Courses</b>		
EET 1084	Introduction to Electronics	3
ETI 1420	Manufacturing Processes and Materials	3
ETI 1701	Industrial Safety	3
ETIC 2001	Applied Manufacturing Mechanics	3
ETIC 2121	Non-Destructive and Destructive Testing	3
ETIC 2460	Composites Fundamentals	3
ETIC 2464	Advanced Composites	3
ETMC 1010	Mechanical Measurement	1
<b>Total Credit Hours</b>		<b>22</b>

## Course Sequence

The following sequence is recommended. However, courses may not be offered in this order, so it is important that you work with an advisor to plan your schedule based on your specific needs.

Course	Title	Credit Hours
<b>Term 1</b>		
ETI 1420	Manufacturing Processes and Materials	3
ETIC 2001	Applied Manufacturing Mechanics	3
EET 1084	Introduction to Electronics	3
<b>Credit Hours</b>		<b>9</b>
<b>Term 2</b>		
ETIC 2121	Non-Destructive and Destructive Testing	3

ETIC 2460	Composites Fundamentals	3
ETMC 1010	Mechanical Measurement	1
<b>Credit Hours</b>		<b>7</b>
<b>Term 3</b>		
ETI 1701	Industrial Safety	3
ETIC 2464	Advanced Composites	3
<b>Credit Hours</b>		<b>6</b>
<b>Total Credit Hours</b>		<b>22</b>

## Learning Outcomes

- Demonstrate knowledge of basic laws of electronics.
  - Supports Core Ability: Think Critically and Solve Problems*
- Demonstrate industrial safety, health, and environmental requirements.
  - Supports Core Ability: Process Information*
- Demonstrate modern industrial processes and materials.
  - Supports Core Ability: Process Information*
- Demonstrate proficiency using tools, instruments and testing devices.
  - Supports Core Ability: Think Critically and Solve Problems*