

COMPOSITE FABRICATION AND TESTING, COLLEGE CREDIT CERTIFICATE

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:
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 [Engineering Technology A.S.](#) degree program.

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 [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		
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
Total Credit Hours		22
Course	Title	Credit Hours
Term 1		
ETI 1420	Manufacturing Processes and Materials	3
ETIC 2001	Applied Manufacturing Mechanics	3
EET 1084	Introduction to Electronics	3
Credit Hours		9
Term 2		
ETIC 2121	Non-Destructive and Destructive Testing	3
ETIC 2460	Composites Fundamentals	3
ETMC 1010	Mechanical Measurement	1
Credit Hours		7
Term 3		
ETI 1701	Industrial Safety	3

ETIC 2464	Advanced Composites	3
Credit Hours		6
Total Credit Hours		22

Learning Outcomes: Composite Fabrication and Testing, College Credit Certificate

- 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*