

ENGINEERING TECHNOLOGY SUPPORT SPECIALIST (CCC)

Previous Degree Required: HS Diploma

Eligible for Financial Aid: Yes

Delivery Method(s): On-Campus, Hybrid

Location(s): Cocoa, Palm Bay

Limited Access: No

Program Testing Requirements: Not Required

Academic Community: INMC Industry/Manufacturing and Construction

Program Code: ESCC

Classification of Instructional Programs (CIP) Code: 15.0000

Florida Department of Education CIP Code: 0615000007

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

This certificate aligns with the Manufacturing Skill Standards Council (MSSC). MSSC skill standards define the knowledge, skills, and performance needed by today's frontline manufacturing workers. After completing this core and the General Education requirements in the A.S. degree, it is anticipated that students will be prepared to pass the MSSC Production Technician Certification. Credits earned in this certificate also apply to the A.S. Engineering Technology degree.

This certificate prepares students for initial employment with an occupational title such as Engineering Support Specialist or Engineering Specialist to support engineering design, manufacturing, processes and production, test and/or maintain product quality, or to provide supplemental training for persons previously or currently employed in these occupational areas.

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.

Program of Study

Code	Title	Credit Hours
Major Courses		
EET 1084	Introduction to Electronics	3
ETDC 2364	SolidWorks Fundamentals	3
ETI 1420	Manufacturing Processes and Materials	3
ETI 1701	Industrial Safety	3
ETI 2110	Introduction to Quality Assurance	3
ETIC 2001	Applied Manufacturing Mechanics	3
Total Hours:		18

Course Sequence

Below is the recommended sequence for taking courses in this degree. Using this guide and meeting with your assigned advisor each term is the key to successful program completion.

Please note that course prerequisites, including required developmental math, reading, or writing, need to be completed to continue on to the more advanced course. Click on the course number to see the requirements.

Code	Title	Credit Hours
ETI 1420	Manufacturing Processes and Materials ^{Fa}	3
ETDC 2364	SolidWorks Fundamentals ^{Fa}	3
ETIC 2001	Applied Manufacturing Mechanics ^{Fa}	3
EET 1084	Introduction to Electronics ^{Sp}	3
ETI 2110	Introduction to Quality Assurance ^{Sp}	3
ETI 1701	Industrial Safety ^{Sp}	3
Total Hours:		18

FaCourse offered in fall term

SpCourse offered in spring term

Learning Outcomes

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