

ENGINEERING TECHNOLOGY SUPPORT SPECIALIST, COLLEGE CREDIT CERTIFICATE

Program Code: ESCC

Meta-Major: STEM

Location(s): Cocoa, Palm Bay

Delivery Method(s): On-Campus, Hybrid

Previous Degree Required: HS Diploma

Eligible for Financial Aid: Yes

Additional Limited Access Application Process Required: No

Program Testing Requirements:

Classification of Instructional Programs (CIP) Code: 15.0000

Florida Department of Education CIP Code: 061500007

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

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.

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 [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
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 Credit Hours		18

Learning Outcomes: Engineering Technology Support Specialist, 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 methods of quality assurance in manufacturing.

- 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*