

# ROBOTICS AND SIMULATION TECHNICIAN, COLLEGE CREDIT CERTIFICATE

**Program Code:** RSCC

**Meta-Major:** STEM

**Location(s):** Palm Bay

**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:** 15.0405

**Florida Department of Education CIP Code:** 0615040514

This certificate prepares students for initial employment in the growing automation industry with an occupational title such as:

- Robotics Technician
- Automation Technician
- Product Development Technician
- Industrial Engineering Technician

This program also provides supplemental training for persons previously or currently employed with these occupational titles or in occupations related to manufacturing or product development.

This program introduces the student to the programming and hardware skills needed to create computer-controlled systems that interact with the physical world. [Visit the program page for more details and how to apply.](#)

Credits earned in this certificate may apply to the [Associate in Science \(A.S.\) degree in Engineering Technology.](#)

## Certificate Requirements

Code	Title	Credit Hours
<b>Major Courses</b>		
CETC 1123	Microprocessor Fundamentals	4
EETC 1025	Circuit Fundamentals	4
ETMC 1010	Mechanical Measurement	1
ETSC 1603	Fundamentals of Robotics and Simulation	3
<b>Total Credit Hours</b>		<b>12</b>

## Learning Outcomes: Robotics and Simulation Technician CCC

1. Solve DC and AC circuit voltage and currents
  - Supports Core Ability: Process Information
2. Explain use of software to control hardware
  - Supports Core Ability: Process Information