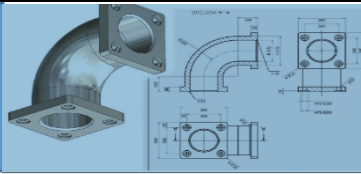


**FREE
Pre-Apprenticeship
SOLIDWORKS**



Employment Opportunities:

Students interested in the following career pathways will benefit from completing the course.

- Manufacturing
- Drafting
- Design

Industry Certifications:

- Certified Production Technician
- Certified SOLIDWORKS Associates (CSWA)

**Brevard Adult & Community
Education Offices:**

1311 US-1 Building #6
Titusville, FL 32796
321-264-3088

1225 Clearlake Rd
Cocoa, FL 32922
321-633-3660

1362 S. Babcock St.
Melbourne, FL 32901
321-952-5977



Publication Date: 11/3/23

Mission Statement:

Our goal is to serve every student with excellence as the standard. We strive to provide students with access to programs that are high quality, affordable, and enjoyable.

Program Description:

This program is designed to prepare participants to become an apprentice and to have an opportunity for career exploration in the trades.

Program Structure:

The Pre-Apprenticeship program will consist of the following:

- SolidWorks Curriculum:
 - Identify Basic User Interface Functions
 - Design a Constrained 2D Sketch and Profile
 - Design a Basic 3-D model
 - Demonstrate Basic Patterning Concepts and Applications
 - Create a Revolved Feature
 - Design a Shell with Ribs
 - Apply Basic Repair Techniques and Edit Design Changes
 - Create Multiple Variations of a Part or Assembly
 - Demonstrate Drawing Manipulations
 - Create an Assembly
 - Design an Assembly
 - Perform Basic CAD/CAM Geometry for Tool Path Processing
- Certified Production Technician (CPT)
 - Manufacturing Safety Awareness
 - Production and Processes
 - Maintenance Awareness
 - Quality Assurance
- Opportunity to Connect with a CareerSource Brevard Career Counselor
- Opportunity to Earn College Credits at Eastern Florida State College

Minimum Program Requirements:

- Must be at least 16 years of age and not enrolled in a K-12 program (A minor must have written parental or guardian consent to participate in the program.)
- Physically capable of performing the work of the trade

Application Submission Requirements:

Must submit application online at <https://forms.gle/FvnPw6rh1kwcl8ME8> by **December 15, 2023**

- All applications will be reviewed by the advisory designee and committee in accordance with criteria, terms, and conditions of the program.

Schedule: December 4, 2023 – August 29, 2024

SolidWorks: Monday & Wednesday, 5:30 – 8:00pm (December 4 – April 17, 2024)
MSSC Portions: Thursday, 5:30 – 8:00pm (December 4 – August 29)

Class Location: Brevard Adult Education at Cocoa, 1225 Clearlake Rd., Cocoa, FL 32922, Building 13