

## Essential Solidworks

### 6 unit certificate

This certificate prepares students with the knowledge and skills in using Solidworks to document mechanical drawings per ANSI standards. Students learn to render parts and assemblies with exploded view animation. Perfect to help someone already in the industry to update their skills.

## Required Courses

### DFT/ENE-42 Solidworks I (3 units)\*

Prerequisite: None

Advisory: PC computer experience recommended

The course is designed to introduce the student to 3D parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation.

AND

### DFT/ENE-43 Solidworks II (3 units)\*

Prerequisite: DFT-42 or ENE-42

An advanced course in using the 3D parametric solid-modeler SolidWorks. This course is designed to further 3D parametric solid modeling software techniques learned in SolidWorks I. Students will dive deeper into topics that were introduced in the first Solidworks I course such as extruding, sweeping, lofting, shelling, assemblies, and animation.

## Essential Solidworks Certificate

Tuition \$46/unit • Duration of Study: 4 months

A Certificate in Essential Solidworks is awarded upon completion of both courses (6 units). Please refer to the Norco College Catalog or visit the Counseling Center for ideas on how you can add this certificate to fulfill your education and career goals.

### Job & Wage Information

- CAD Operator/Mechanical Drafter  
Wage Range\*: \$22.35-34.43  
0% increase expected in CA 2020-2030;  
530 openings annually  
More info:  
<http://bit.ly/MechanicalDrafterNC>
- Engineering Assistant/Engineering Technician  
Wage Range\*: \$21.75-35.98  
5-10% increase expected in CA 2020-2030;  
870 openings annually  
More info:  
<http://bit.ly/EngineeringTechnicianNC>
- Manufacturing Engineer Technician  
Wage Range\*: \$21.75-35.98  
10-15% increase expected in CA 2020-2030;  
870 openings annually  
More info:  
<http://bit.ly/EngineeringTechnicianNC>

\*2020, Riverside/Ontario/San Bernardino Metro Area

What type of interests might be a good fit for this career choice?



### Realistic

People who have athletic or mechanical ability and prefer to work with objects, machines and tools. Preference for working with things over people.

For more information on careers that fit this category of interests, visit the Career Center in the Center for Student Success.

### What's Your School?

**SCHOOL OF**  
**Science, Technology,**  
**Engineering & Mathematics**

Visit [www.norcocollege.edu/STEM](http://www.norcocollege.edu/STEM) for more information about this program.