



# Santiago Canyon College

DIVISION OF CONTINUING EDUCATION

*What happens here matters.*

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## Short-Term Career Education Certificate of Completion

# 3D Printing/Advanced Manufacturing

- Average California Hourly Wage \$18.21
- Annual California Job Openings through 2024: Over 9,900



The Certificate of Completion 3D Printing / Advanced Manufacturing is designed to teach students how to use a 3D printer and the technology behind 3D printing. Students will learn about the different plastic filaments that are used, and the techniques for feeding the plastic filament into the 3D printer for optimal performance. Students will also learn about future applications and components of the printer, such as the extruder nozzle, contact sensor, calibration techniques, software, design methods, and reducing defects. An emphasis is placed on familiarizing students with the use of 3D printing in the areas of personal applications, engineering, design and manufacturing.

To register or for additional information regarding class dates, times and locations, call or visit any of the following locations:

**OEC Provisional Education Facility (CHAP)**  
1937 W. Chapman Ave., Suite 200  
Orange, CA 92868  
714-628-5900

**Santiago Canyon College (SCC)**  
8045 E. Chapman Ave., U-80  
Orange, CA 92869  
714-628-5929

**College and Workforce  
Preparation Center (CWPC)**  
1572 N. Main St.  
Orange, CA 92867  
714-628-5999

### Tuition is FREE - No Recommended Supplies or Textbook

Certificate Requirements & Course Sequence		
COURSES		HOURS
VBUS-101	Introduction to 3D Modeling using Blender	60
VBUS-105	Introduction to 3D Animation using Blender	60
VBUS-130	Introduction to 3D Printing	60
<b>TOTAL HOURS OF INSTRUCTION</b>		<b>180</b>

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**MISSION STATEMENT:** The mission of the Continuing Education Division is to offer a variety of free noncredit classes, programs, and services that enable students to maximize their potential by acquiring the necessary technical and academic skills to reach their personal, educational, and career goals so that they can benefit from, and contribute to, a changing American society as productive, active members of their communities.

All educational opportunities are offered without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status.