

# FRAMECAD STEEL DESIGN, CERTIFICATE OF SPECIALIZATION

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Not Financial Aid Eligible  
Banner Code: 1\_CE\_FCSD

The FrameCAD Steel Design Certificate prepares students and working professionals for design, production drawing, and file preparation for panelized steel frame production and installation. Course projects will use FrameCAD Structure and Detailer software to design and prepare files for production on a FrameCAD F325iT machine. FrameCAD is disrupting the way buildings get made by reducing waste, transportation, and build time and by increasing strength and longevity. People with skills in this transforming industry command high salaries and will be part of a new age of design/manufacture/build.

## Program Outcome

1. Successful students in this program will be able to design and produce digital files for a small structure using FrameCAD Structure and Detailer software and export the file for production in FrameCAD Factory.

## Certificate of Specialization Requirements

The Certificate of Specialization is a locally approved career program that requires sixteen units or fewer units and is designed to prepare the graduate to enter a particular field of employment. In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. At least 3 units in an advanced course from the certificate must be completed at OCC at the department's discretion. Certificates of Specialization are not automatically awarded, not printed on official academic transcripts, and there is no acknowledgment of completion given at graduation. Please contact the division for details regarding the submission of petitions as procedures for each division vary. Most division offices prefer that students complete all of the required courses and then provide a copy of the transcript while some divisions allow petitions for Certificates of Specialization before finishing. Check with a counselor to determine the requirements for completion.

A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of this catalog.

Course	Title	Units
<b>Required Courses</b>		
ARCH A104	Introduction to FrameCAD Steel Framing	1
ARCH A121	FrameCAD Studio 1	2
ARCH A122	FrameCAD Studio 2	2
ARCH A241	FrameCAD Workshop 1	2
<b>Total Units</b>		<b>7</b>