

# FRAMECAD STEEL DESIGN, CERTIFICATE OF SPECIALIZATION

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**Banner Code:** 1\_CE\_FCSD

**Not Financial Aid Eligible**

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

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.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#specializationtext>).

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>

## Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. **Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.**

Course	Title	Units
<b>Year 1</b>		
<b>Semester 1</b>		
ARCH A104	Introduction to FrameCAD Steel Framing	1
ARCH A121	FrameCAD Studio 1	2
	<b>Units</b>	<b>3</b>
<b>Semester 2</b>		
ARCH A122	FrameCAD Studio 2	2
ARCH A241	FrameCAD Workshop 1	2
	<b>Units</b>	<b>4</b>
	<b>Total Units</b>	<b>7</b>