

# FRAMECAD STEEL PRODUCTION, CERTIFICATE OF SPECIALIZATION

**Banner Code:** 1\_CE\_FCSP  
**Not Financial Aid Eligible**

The FrameCAD Steel Production Certificate prepares students and working professionals for design file preparation, cold form steel(CFS) fabrication, CFS panel production and assembly, and preparation for project delivery. Course projects will use FrameCAD design software to produce custom projects using FrameCAD Factory software on a FrameCAD F325iT machine. Students will also be trained to maintain and operate the machine, prepare worksite documents, and learn to organize workflow safely. People with skills in this transforming industry command high salaries and will part of a new era of integrative design and construction.

## Program Outcomes

1. Successful students in this program will be able to safely manufacture steel frame custom components using a FrameCAD F325iT machine and safely assemble the components into a structure.
2. Successful students will be able to operate and maintain a FrameCAD machine and be able to document projects, materials, and machine records.
3. Successful students will be able to organize and schedule project workflow to utilize the machine and workers efficiently and safely.

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 A241	FrameCAD Workshop 1	2
ARCH A242	FrameCAD Workshop 2	2
ARCH A243	FrameCAD Workshop 3	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 A241	FrameCAD Workshop 1	2
<b>Units</b>		<b>3</b>
<b>Semester 2</b>		
ARCH A242	FrameCAD Workshop 2	2

Course	Title	Units
ARCH A243	FrameCAD Workshop 3	2
<b>Units</b>		<b>4</b>
<b>Total Units</b>		<b>7</b>