

MICRO-STRUCTURE DESIGN TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CM_MSDT

Control Number: 41940

Not Financial Aid Eligible

The Micro-Structure Design Technology Program is a blend of design, building, and technology that will empower people to make small, environmentally sustainable structures that will provide needed housing and promote personal experiences and professional growth. Courses include design, drawing/visualization, building, and PV (solar) panel skills so that students can quickly explore and implement innovative design solutions.

Program Outcome

Students will be able to design, plan, build, and produce power for a small structure at an entry level of skill in the design/build profession.

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

Course	Title	Units
Required Courses		
ARCH A104	Introduction to FrameCAD Steel Framing	1
ARCH A105	Architectural Drawing and Design Visualization 1	2
ARCH A106	Accessory Dwelling Unit Design	1
ARCH A107	Tiny House Design	1
ARCH A201	Design/Build 1 for Architecture	2
or ARCH A201H	Design/Build 1 for Architecture Honors	
ARCH A108	Solar Panels for Small Projects	1
or CNST A108	Solar Panels for Small Projects	
Total Units		8