

# MICRO-STRUCTURE DESIGN TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

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**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.

## Certificate of Achievement Requirements

The Certificate of Achievement is a state-approved career program that requires a minimum of eight 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 Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing their final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog. 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 A105	Architectural Drawing and Design Visualization 1	2
ARCH A106	Accessory Dwelling Unit Design	1
ARCH A107	Tiny House Design	1
ARCH A201 or ARCH A201H	Design/Build 1 for Architecture Design/Build 1 for Architecture Honors	2
ARCH A108 or CNST A108	Solar Panels for Small Projects Solar Panels for Small Projects	1
<b>Total Units</b>		<b>8</b>