



Program Name: Sustainable Architecture

Lead Faculty: Jason Oliver: Jason.oliver@canyons.edu

School: College of the Canyons

Credentials Offered:	Delivery Mode	Credit Hours	Program Duration
<ul style="list-style-type: none"> • Certificate of Achievement in Architectural Computer Aided Drafting • Certificate of Achievement in Architectural Drafting • Associate of Science degree in Architectural Drafting and Technology • Certificate of Achievement in Sustainable Design and Development • Certificate of Specialization in Sustainable Design and Development 	<ul style="list-style-type: none"> • Courses for CAD Certificate offered in the following modalities: HyFlex, OnlineLive, and 100% Online • Courses for remaining Architecture degree and certificates offered in a variety of modalities: On-campus, HyFlex, OnlineLive, 100% Online • Courses for 4.5 unit Sustainable Design Cert. offered 100% Online 	<p>18 units</p> <p>37 units</p> <p>60 units</p> <p>18.5 units</p> <p>4.5 units</p>	<p>12 months</p> <p>18 months</p> <p>24 months</p> <p>12 months</p> <p>4 months</p>

When did the program start? 1997

Number of Students in Program: 251

How many Faculty teach energy courses at your college (note if FT or PT)? 1 FT (Jason Oliver) , 2 PT (Victor Corona, Orlando Flores)

Where do you primarily get your students from (high school, reentry, job training, etc.)?

High School

Description of your facilities (be sure to note any special lab facilities used for hands-on training, equipment & other resources):

The COC Architecture program currently utilizes two lecture/lab classrooms which were outfitted to support the HyFlex teaching modality with state-of-the-art tracking web cameras and wireless

This material is based upon work supported by the National Science Foundation under Grant No. 2201631.

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microphones, all of which are easily controlled from the Instructor Station. These classrooms (24-seats in one and 35-seats in the other) have computer terminals and/or laptops for each student loaded with CAD/BIM and Building Energy Modeling software. College of the Canyons also supports a robust and innovative Makerspace which is utilized by the Architecture program with laser-cutting, 3D printing, and full-service wood shop.

What do you think makes your program successful?

The Canyons Architecture program is successful because of experienced, dedicated faculty and our on-going educational collaborations with industry partners and trade organizations, which include faculty involvement with the U.S. Green Building Council, the Santa Clarita Environmental Education Consortium (SCEEC), and the National Organization of Minority Architects (SoCal NOMA). Likewise, our program benefits substantially from semi-annual meetings of our Industry Advisory Board. These are all important contributors to the program's comprehensive curricular offerings which allow us to serve industry needs and for the institution to serve an ever more diverse student population.

What are your key industry ties? (If you have an industry advisory board, please describe its size and composition).

The Canyons Architecture program has strong industry ties to architectural firms and A/E/C employers throughout Santa Clarita and our larger northern Los Angeles County service area. The Architecture program supports an Industry Advisory Board comprised of over 40 industry professionals, subject matter experts, academic partners, employers, and alumni. The Industry Advisory Board has been very helpful in providing effective feedback on the program's direction and helping to guide the curriculum towards job-skills and sustainable design with emphasis on Building Information Modeling (BIM) and LEED. Industry Advisory Committee members also assist with identifying local internship opportunities.

Do you offer internships, apprenticeships or work-based learning opportunities? Do you require them?

Although our program does not provide formal job placement services, the College of the Canyons Career Services office assists students (free of charge) with finding employment including resume writing/review, job searches, workshops, interview practice, etc. Additionally, we work closely with local industry to develop and offer internships. Our department coordinates a LinkedIn Group where current internship and employment opportunities from industry are posted for students and alumni.

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What information do you have on success of student placement?

There is not an institution-set standard for job placement rate for our program at this time. Based on data culled from the LinkedIn Group coordinated by the department, 43 students/alumni of the 70 in the group are currently engaged in employment specifically related to the Architecture & Interior Design profession (approx. 62% placement rate) an increase from 2020-21 due to our program's on-going job networking and placement efforts. Note that transfer placement is largely based on the quality of the student's portfolio which needs to demonstrate the student's ability to use a variety of software, including BIM and photorealistic rendering programs like Revit as well as AutoCAD, SketchUp, and/or Rhino.

Do you have pathways or articulation agreements in place? If you do, please describe the pathways available to students.

Articulation agreements currently exist with the Bachelor of Architecture programs at:

- Cal Poly San Luis Obispo - <https://assist.org/transfer/report/26540810>
- Cal Poly Pomona - <https://assist.org/transfer/report/26455820>
- Woodbury University - <https://www.dropbox.com/s/zoidlg2js9vzrqz/Architecture%20Articulation%20-%20Woodbury%20and%20COC.pdf?dl=0>

Is there any additional information about your program and or school you would like to include (any recent awards, publications, grant awards that pertain to your program etc.)?

Our program is currently developing a proposal to offer a Bachelor of Arts in Sustainable Architecture degree (Fall 2024 launch tentative)

Program Link: www.canyons.edu/academics/architecture

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