

# ARCHITECTURAL TECHNOLOGY

ASSOCIATE DEGREE &amp; CERTIFICATE PROGRAMS

2021-2022 CATALOG

## DESCRIPTION

Architecture is the art and science of designing buildings or, more accurately and broadly, the built environment, which can range from a house addition to a plan for a city. Behind that simple definition, however, lies an enormously diverse profession with many career paths and a variety of roles to play. Then, too, there are a number of paraprofessional jobs within firms or in related fields, offering many other options to those not pursuing a professional university degree.

The architecture program at Cuesta College prepares individuals for challenging careers in the architectural profession and its related design and technical fields. The program offers its students a strong foundation for transferring to upper-division studies in baccalaureate professional degree programs or entering directly into the workforce.

Cuesta's architecture program is an affiliate member of the Association of Collegiate Schools of Architecture (ACSA).

## ASSOCIATE DEGREE PROGRAMS

**An Associate Degree**, depending on the focus of study, is designed to prepare students for transfer into upper division course work in a bachelor's degree program, or, to prepare students to enter the workforce in a particular vocational field. To qualify for an Associate's Degree, a student must: (1) complete each major-specific course required for the degree with at least a "C" grade or better, (2) complete all Cuesta College general education, graduation and residency requirements, and (3) achieve an overall grade point average of 2.0 for all courses attempted (major, general education, elective).

## DEGREES, CERTIFICATES & AWARDS

- Associate in Science (A.S.)

## CAREER OPPORTUNITIES

- Architectural Drafter/CAD Technician
- Architectural Intern
- Building product or component manufacturers
- Government Agencies (plan checker and project inspector)
- Homebuilders and Commercial Contractors
- Kitchen and Bath Designers
- Technical and production support within architecture or engineering firms

## CONTACT

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**ASSOCIATE DEGREE PROGRAM**

**Architectural Technology** — Associate in Science

**Required Courses (32 credits)**

ARCH 201 . . . .	Introduction To Architecture And Environmental Design . . . . .	2
ARCH 221 . . . .	Design And Visual Communication I . . . . .	4
ARCH 222 . . . .	Design And Visual Communication II . . . . .	4
ARCH 232 . . . .	Architectural Design & Presentation . . . . .	3
	Computer Graphics	
ARCH 242 . . . .	Introduction To Architectural Practice . . . . .	3
ARCH 244 . . . .	Architectural Environment Control Systems . . . . .	3
ARCH 251 . . . .	Architectural Design Fundamentals I . . . . .	5
ARCH 252 . . . .	Architectural Design Fundamentals II . . . . .	5
CTCH 250 . . . .	Materials Of Construction . . . . .	3
<b>Plus 9 credits from the following:</b>		
ARCH 205 . . . .	Architectural Model Making . . . . .	2
ARCH 217 . . . .	History of World Architecture I . . . . .	3
ARCH 218 . . . .	History of World Architecture II . . . . .	3
ARCH 245 . . . .	Introduction To Green Building And LEED Green Associate Credential Preparation . . . . .	1.5
ARCH 246 . . . .	Green Building And LEED AP BD+C Experience . . . . .	1.5
ARCH 248 . . . .	Green Building And Home LEED AP Homes Experiences . . . . .	1.5
CTCH 180A . . .	Building Code I, Architectural Design Provisions . . . . .	3
ENGR 226 . . . .	Engineering Drawing I . . . . .	4
ENGR 250 . . . .	Engineering Statics . . . . .	3
ENGR 252A . . .	Strength Of Materials I . . . . .	2
MATH 265A . . .	Calculus I . . . . .	5
PHYS 205A . . .	General Physics . . . . .	4
PHYS 205B . . .	General Physics . . . . .	4
ART 220 . . . . .	Fundamentals Of 2-D Design . . . . .	3
or ART 221 . . .	Drawing I . . . . .	(3)
or ART 270 . . .	Fundamentals Of 3-D Design . . . . .	(3)
<b>Total Credits:</b>		<b>41</b>

[Click Here For Program Student Learning Outcomes](#)

**TRANSFER PREPARATION**

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

**TRANSFER RESOURCES:**

CSU and UC Articulation Agreements and Majors Search Engine:  
[www.ASSIST.org](http://www.ASSIST.org)  
 CSU System Information:  
[www2.calstate.edu](http://www2.calstate.edu)

**FINANCIAL AID**

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs—grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full-and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:  
[www.cuesta.edu/student/studentservices/finaid](http://www.cuesta.edu/student/studentservices/finaid)



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