CONSTRUCTION TECHNOLOGY

DESCRIPTION

The purpose of the Construction Technology Program is to prepare students for:

1. Employment within the construction field with knowledge of general practices within the construction industry, such as residential and commercial building.

2. Entry level employment and/or placement into a trade union in the specialized trades, such as electrician, and plumbing.

3. Specialized training in water treatment (Grade I and Grade 2), entry level solar installation (NABCEP), and building codes

4. Purchasing, scheduling, and feasibility of projects, materials, and resources as well as basic project management and bid development.

ASSOCIATE DEGREE AND CERTIFICATE 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).

A Certificate Program is designed for students who desire specific training to meet an immediate occupational or personal goal, or for promotion or lateral transfer within their existing field of employment. To qualify for a Certificate of Achievement or a Certificate of Specialization, a student must 1) complete all courses required for the Certificate with an overall grade point average of 2.0.

DEGREES, CERTIFICATES & AWARDS
- Associate in Science (A.S.)
- Certificate of Achievement (C.A.)

CAREER OPPORTUNITIES
- Building Maintenance Technician
- Entry into Labor Union
- Foreman
- General Contractor
- Materials Sales, Marketing, and Customer Service

CONTACT

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ASSOCIATE DEGREE PROGRAM

Construction Technology — Associate In Science

This program is designed for individuals seeking entry level positions in the construction industry. By fulfilling the program requirements, students will have the necessary knowledge and skills for a career in the construction industry. The students will learn a variety of skills in residential construction such as rough and finish carpentry, plumbing, electrical, concrete, blueprint reading, and construction management.

Required Courses (10.5 credits)

ATCH 105	Professional Development For Employment I	2
CTCH 260	Construction Management	3
CTCH 200	Workplace Safety- OSHA.	0.5
CTCH 210	Blueprint Reading	2
CTCH 250	Materials Of Construction	3

Plus 8 credits from the following:

ATCH 106	Professional Development For Employment II	2
BUS 283	Introduction to Management	3
CTCH 180A	Building Code I, Architectural Design Provisions	3
CTCH 220	Foundations And Slabs	1
CTCH 222	Floor Framing	1
CTCH 224	Wall Framing	1
CTCH 226	Roof Construction	1
CTCH 228	Introduction To Plumbing	1
CTCH 230	Introduction To Residential Wiring	1
CTCH 232	Finish Carpentry	1
EET 181	National Electrical Code	3
EET 183	Commercial And Industrial Wiring	4
ENGR 201	Plane Surveying	3
ENGR 225	AUTOCAD	1
or ENGR 226	Engineering Drawing	(4)
WELD 270A	Basic Welding	3

Total Credits: 18.5

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
CSU System Information:
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

CERTIFICATE PROGRAM

Construction Technology — Certificate of Achievement

This program is designed for individuals seeking entry level positions in the construction industry. By fulfilling the program requirements, students will have the necessary knowledge and skills for a career in the construction industry. The students will learn a variety of skills in residential construction such as rough and finish carpentry, plumbing, electrical, concrete, blueprint reading, and construction management.

Required Courses (10.5 credits)

ATCH 105	Professional Development For Employment I	2
CTCH 260	Construction Management	3
CTCH 200	Workplace Safety- OSHA.	0.5
CTCH 210	Blueprint Reading	2
CTCH 250	Materials Of Construction	3

Plus 8 credits from the following:

ATCH 106	Professional Development For Employment II	2
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CTCH 226	Roof Construction	1
CTCH 228	Introduction To Plumbing	1
CTCH 230	Introduction To Residential Wiring	1
CTCH 232	Finish Carpentry	1
EET 181	National Electrical Code	3
EET 183	Commercial And Industrial Wiring	4
ENGR 201	Plane Surveying	3
ENGR 225	AUTOCAD	1
or ENGR 226	Engineering Drawing	(4)
WELD 270A	Basic Welding	3

Total Credits: **18.5**

Click Here For Program Student Learning Outcomes

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