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

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: www.cuesta.edu/student/studentservices/finaid/gainfulemployment

CONTACT
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ASSOCIATE DEGREE PROGRAM

Construction Technology — Associate In Science

Required Courses (30 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTCH 250</td>
<td>Materials Of Construction</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 163</td>
<td>Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 164</td>
<td>Blueprint Reading</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 168</td>
<td>Residential Plumbing</td>
<td>3</td>
</tr>
<tr>
<td>EET 169</td>
<td>Residential Wiring</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 171</td>
<td>Homebuilding - Layout And Concrete I</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 172</td>
<td>Homebuilding - Floor And Wall Framing I</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 173</td>
<td>Homebuilding - Roof Framing I</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 174</td>
<td>Homebuilding - Finish Carpentry I</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 3-4 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 283</td>
<td>Management And Supervision</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 176</td>
<td>Basic Water Treatment</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 177</td>
<td>Water Distribution Systems</td>
<td>3</td>
</tr>
<tr>
<td>EET 181</td>
<td>National Electrical Code</td>
<td>3</td>
</tr>
<tr>
<td>EET 183</td>
<td>Commercial And Industrial Wiring Systems</td>
<td>4</td>
</tr>
<tr>
<td>CTCH 287</td>
<td>Introduction To Green Technology</td>
<td>4</td>
</tr>
<tr>
<td>WELD 270A</td>
<td>Basic Welding</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 33-34

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

Required Courses (30 credits)
CTCH 250 .... Materials Of Construction .........................3
CTCH 163 .... Construction Management .........................3
CTCH 164 .... Blueprint Reading ..................................3
CTCH 168 .... Residential Plumbing .........................3
EET 169 .... Residential Wiring ..................................3
CTCH 171 .... Homebuilding - Layout And Concrete I ............3
CTCH 172 .... Homebuilding - Floor And Wall Framing I ............3
CTCH 173 .... Homebuilding - Roof Framing I ..................3
CTCH 174 .... Homebuilding - Finish Carpentry I ................3

Plus 3 credits from the following:
BUS 283 .... Management And Supervision ....................3
CTCH 176 .... Basic Water Treatment ....................3
CTCH 177 .... Water Distribution Systems ..................3
EET 181 .... National Electrical Code ..................3
EET 183 .... Commercial And Industrial Wiring Systems ........3
CTCH 287 .... Introduction To Green Technology ....................4
WELD 270A ... Basic Welding ..................................3

Total Credits ........................................... 33

Click Here for Program Student Learning Outcomes