



# Construction Management Technology Certificate

This program offers training of management-level employees for the construction industry, as well as preparation for transfer to a four-year college or university construction program. Graduates may be employed by contractors, business and government agencies in project planning, estimating, and project coordinating.

**Total Units: 23**

## First Year

### Semester 1

**9 Units**

| COURSE  | UNITS | PRE-REQS <sup>^</sup>       | SEMESTERS OFFERED*                |
|---|-------|-----------------------------|-----------------------------------|
| <b>CMT 300</b><br>Introduction to Construction Plans and Specifications <b>or</b> | 3     | Co-req: EMT 310             | F, S                              |
| <b>BIT 102</b><br>Plan Reading and Non-Structural Plan Review                     | 3     | Advisory: ADT 300 & BIT 100 | Check Class Schedule for offering |
| <b>CMT 310</b> <sup>Z</sup><br>Materials of Construction                          | 3     | Advisory: CMT 300           | F, S                              |
| <b>CMT 134</b> <sup>Z</sup><br>Construction Scheduling and Critical Path Method   | 3     | Advisory: CMT 112           | F                                 |

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

### Semester 2

**14 Units**

| COURSE  | UNITS | PRE-REQS <sup>^</sup> | SEMESTERS OFFERED* |
|---|-------|-----------------------|--------------------|
| <b>CMT 112</b> <sup>Z</sup><br>Construction Estimating                | 3     | Advisory: CMT 310     | F, S               |
| <b>CMT 120</b> <sup>Z</sup><br>Legal Aspects of Construction          | 3     |                       | S(O)               |
| <b>CMT 313</b><br>Computer Estimating for Construction                | 3     | Advisory: CMT 112     | S                  |
| <b>CISC 302</b> <sup>1</sup> <sup>Z</sup><br>Computer Familiarization | 2     |                       | F, S, Su           |
| <b>ADT 310</b> <sup>Z</sup><br>Architectural Computer-Aided Drawing I | 3     |                       | F, S               |

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## Career

### Options/Outlook:

Construction Managers plan, direct, or coordinate, usually through subordinate supervisory personnel, activities concerned with constructing and maintaining structures, facilities, and systems. Participate in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation. Includes managers in specialized construction fields, such as carpentry or plumbing. **Career opportunities require more than an associate degree.**

### A sample of reported job titles:

Concrete Foreman, Construction Area Manager, Construction Foreman, Construction Manager, Construction Superintendent, General Contractor, Job Superintendent, Project Executive, Project Manager, Project Superintendent

### Projected job openings in California (2020-2030):

5,150

### Projected growth in California (2020-2030):

19% growth

Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (P) = partially online

<sup>1</sup> Also listed as JOUR 330.

## Median Salary in California (2021):

\$118,130/yr

## Source:

<https://www.onetonline.org/link/summary/11-9021.00>

## About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

## Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.

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