

CONSTRUCTION MANAGEMENT (AS DEGREE S0881)

Technology and Health Division

Degree S0881

The Construction Management A.S. program prepares students to enter the field of construction management, construction administration, supervision, or other related construction employment. This multi-tiered program offers certificates designed to enhance the skills of working professionals (and credit for applied learning), and a comprehensive program designed to introduce entry level students to the range of construction employment opportunities. The program develops contemporary and emerging skills in general construction principles and processes, sustainability, estimating and scheduling, contract administration, building codes and legal aspects of construction, materials and specifications, reading construction documents and preparation of shop drawings, and BIM (building information modeling) through an immersive virtual construction environment. Students desiring a Bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Required Courses

| Course Prefix | Course Name | Units |
|--|--|--------------|
| CMGT 121 | Building Information Modeling for Construction | 4 |
| CMGT 130 | Construction Planning and Management | 3 |
| CMGT 140 | Construction Controls | 3 |
| CMGT 150 | Construction Operations | 3 |
| Variable Unit Course. One unit required. | | 1 |
| CMGT 160 | Construction Management Work Experience | |
| ECT 67 | Reading Construction Drawings | 3 |
| ECT 70 | Elements of Construction Management | 3 |
| ECT 71 | Construction Estimating | 3 |
| Choose two courses from the following list: | | 6-7 |
| ARCH 142 | Architectural Materials and Specifications | |
| ARCH 145 | Building and Zoning Codes | |
| BUSM 66 | Small Business Management | |
| CISB 21 | Microsoft Excel | |
| ECT 17 | Legal Aspects of Construction | |
| ENGR 1C | Engineering Critical Thinking | |
| SURV 1A | Surveying | |
| ECT 87 | Fundamentals of Construction Inspection | |
| Total Units | | 29-30 |

Program Learning Outcomes

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.