

## Associate in Applied Science and Career Certificates

### CONSTRUCTION MANAGEMENT TECHNOLOGY

**Engineering, Math and Physical Sciences Division  
Room T102, (847) 543-2044**

### CONSTRUCTION MANAGEMENT TECHNOLOGY

**(Associate in Applied Science) Plan 24BA**

This program prepares students to work as entry-level construction management technicians in the construction industry. This degree is particularly well-suited for students with field experience in construction trades who desire a more management-oriented position. Job opportunities include positions in estimating, supervision, scheduling, procurement, inspection and testing, site layout design and drafting. Employers include construction firms, suppliers, architects, material testing and inspection companies, and department of public works. Graduate may also transfer many of the program's credits toward a B.S. in Construction Management from area schools.

To complete an AAS, students must meet the General Requirements on page 93. In addition, students should select General Education electives (\*) from those listed on page 94. All course prerequisites must be met.

<b>Required General Education Coursework .....15</b>		
ARC 228	History of Architecture <i>or</i> Humanities or Fine Arts Elective* .....	3
CMM 111	Communication Skills <i>or</i>	
CMM 121	Fundamentals of Speech.....	3
ENG 120	Technical Composition <i>or</i>	
ENG 121	English Composition I .....	3
ECO 110	Economics for Business and Industry <i>or</i>	
ECO 222	Principles of Microeconomics <i>or</i> Social Science Elective* .....	3
MTH 117	Technical Mathematics I <i>or</i>	
MTH 123	Trigonometry <i>or</i>	
MTH 144	Pre-Calculus .....	3-5

### Required Construction Management Coursework .....46

ACC 121	Financial Accounting <i>or</i>	
BUS 115	Elements of Supervision <i>or</i>	
BUS 121	Introduction to Business .....	3-4
CIV 111	Basic Surveying <i>or</i>	
CMT 111	Construction Layout .....	3-4
CIV 113	Construction Inspection and Safety .....	3
CIV 214	Civil Materials and Testing .....	3
CMT 110	Introduction to the Built Environment.....	1
CMT 112	Construction Blueprint Reading.....	3
CMT 113	Construction Materials .....	3
CMT 114	Introduction to AEC Computer Applications .....	2
CMT 117	Construction Methods .....	3
CMT 118	Mechanical and Electrical Equipment .....	3
CMT 119	Specifications and Building Codes .....	3
CMT 211	Job Scheduling and Control .....	3
CMT 212	Principles of Heavy Construction Methods.....	3
CMT 213	Construction Law and Documents.....	3
CMT 214	Construction Estimating.....	3
CMT 215	Construction Management <i>or</i>	
EWE 220	Cooperative Work Experience I.....	3
	Technical Elective (see below).....	3

### Total Hours for AAS Degree.....63-67

#### Technical Electives:^

Select 3 hours from the list below:

ACC 112	Accounting Procedures.....	3
ACC 121	Financial Accounting .....	3
ARC 121	Architectural Graphics .....	3
BUS 219	Small Business Management .....	3
BUS 221	Business Law I .....	3
CAD 117	Introduction to AutoCAD.....	3
CIT 211	Project Management Software .....	3
CIV 131	GIS/GPS Applications for Civil and Surveying Technology .....	3
CMT 115	Carpentry I .....	3
CMT 299	Special Topics in Construction Management Technology .....	3
ISE 110	Industrial Electricity.....	3
RAC 131	Plumbing and Pipefitting I.....	3

Many courses may transfer to a four-year college or university towards a Bachelor in Science degree in Construction Management. Courses required for transfer vary by school. Students should consult with the program advisor to plan an individualized curriculum based on their specific needs.

^ Electives may be substituted for individual courses in construction management core upon consultation with advisor in order to meet specific student learning objectives and/or job requirements.

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**CONSTRUCTION MANAGEMENT  
TECHNOLOGY**

**(Certificate) Plan 24BF**

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This certificate is intended for students desiring to focus on a career in construction management or supervision, and who may already have work experience in the construction field. Courses include the core courses from the AAS degree program that are most closely linked to immediate employment opportunities. Job opportunities include estimating, scheduling, procurement, and field supervision. Other CMT courses may be substituted upon consultation with program advisor.

CMT 112	Construction Blueprint Reading .....	3
CMT 113	Construction Materials .....	3
CMT 114	Introduction to AEC Computer Applications .....	2
CMT 117	Construction Methods .....	3
CMT 211	Job Scheduling and Control .....	3
CMT 214	Construction Estimating .....	3
CMT 215	Construction Management <i>or</i>	
EWE 220	Cooperative Work Experience I .....	3
MTH 117	Technical Mathematics I <i>or</i>	
MTH 123	Trigonometry <i>or</i>	
MTH 144	Pre Calculus .....	3-5

**Total Hours for Certificate .....23-25**

For more information on recommended courses or program specific advising, contact faculty member Rob Twardock or the Engineering, Math and Physical Science division at (847) 543-2044.