

Associate of Applied Science Degree Engineering Technologies

Construction Management (9413)

This program prepares students for careers in the construction field with an emphasis on residential and light commercial building construction. The curriculum blends two major content areas: building construction technologies and business management. Professionals in this field need to have a thorough background in site development, building methods and materials, contract documents, plans and specifications, estimating, bidding, scheduling, building codes, legal principles, project administration, inspection, quality assurance, finances, sound business practices, and people skills. Graduates can enter the workforce in management positions with homebuilders, commercial builders, equipment installers, facility managers, general contractors, specialty contractors, building departments, and construction material manufacturers and retailers. Job classifications may include estimators, superintendents, project managers, inspectors, facility managers, and sales and technical support technicians.

**English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).*

***Students may substitute either SPCH 1000 or SPCH 1100. One of these 3 credit courses may be required for students transferring to a four-year college.*

Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 1215, 1800, 2200, 2250; PHIL 1500, 2000

Social and Behavioral Sciences Electives: minimum 3 credits

ANTH 1160; ECON 1150, 2500, 2600; GEOG 1500, 1600, 2500; HIST 1100, 1200, 2100, 2200, 2400; POLS 1300, 2500; PSYC 1500; SOCY 1150

First Semester:

BUSM 1300	Introduction to Business	3
CIVT 1011	Construction Methods and Materials	3
ENGL 1110*	English Composition I (A)	3
OR		
ENGL 1111	English Composition I (B)	
ENGR 1000	Introduction to Engineering Technology	2
MATH 1001	Introduction to Technical Mathematics	4
(1st 8 weeks)		
CIVT 1012	Reading Construction Drawings	1
(2nd 8 weeks)		
CIVT 1019	Architectural Building Codes and Standards	2

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Second Semester:

CIVT 1015	Architectural Drafting I	3
CIVT 1410	Building Construction I	3
MATH 1101	Technical Mathematics I	4
MECT 1150	Technical Communications	3
PHYS 1100	Applied Physics I	3
SPCH 1050**	Fundamentals of Public Speaking	2
OR		
SPCH 1150	Fundamentals of Interpersonal Communication	

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Third Semester:

BUSM 2100	Business Law I	3
CIVT 2017	Construction Estimating and Scheduling	3
CIVT 2025	Safety in Construction	2
CIVT 2400	Structures in Construction I	3
PHYS 1200	Applied Physics II	3
Choose course(s) from the Arts and Humanities Electives list		3

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Fourth Semester:

BUSM 1620	Entrepreneurship I: Principles of Entrepreneurship	3
CIVT 2024	Construction Administration and Inspection	3
CIVT 2405	Structures in Construction II	3
CIVT 2420	Building Construction II	3
CIVT 2440	Urban Planning and Site Development	2
Choose course(s) from the Social & Behavioral Sciences list		3

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Program Total: 70