

# 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.

### First Semester:

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

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### Second Semester:

CIVT 1015	Architectural Drafting I	3
CIVT 1021	Construction Materials Testing	2
CIVT 1410	Building Construction I	3
MECT 1150	Technical Communications	3
PHYS 1100	Applied Physics I	3
<b>SPCH 1050**</b>	<b>Fundamentals of Public Speaking</b>	2
<b>OR</b>		
<b>SPCH 1150</b>	<b>Fundamentals of Interpersonal Communication</b>	

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### Summer:

ENGR 2800	Engineering Co-Op Experience	2
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### Third Semester:

CIVT 2013	Law for Engineers, Architects, and Constructors	2	
CIVT 2017	Construction Estimating and Scheduling	3	
CIVT 2025	Safety in Construction	2	
CIVT 2420	Building Construction II	3	
Choose course(s) from the Arts and Humanities Electives list			3
Choose course(s) from the Program Electives list			3

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### Fourth Semester:

CIVT 2024	Construction Administration and Inspection	3	
CIVT 2400	Structures in Construction	3	
CIVT 2430	Building Construction III	3	
CIVT 2440	Urban Planning and Site Development	2	
FINN 1300	Financial Management for the Small Business	4	
Choose course(s) from the Social & Behavioral Sciences list			3

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**Program Total: 70**

\*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.

### Program Electives: minimum 3 credits

ACCT 2150	Accounting Information Systems	3
BUSM 1620	Entrepreneurship I: Principles of Entrepreneurship	3
BUSM 2300	Human Resource Management	3
BUSM 2400	Business Communication	3
REST 1100	Real Estate Principles and Practice	3

### Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230, 2240; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 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