

Engineering Technology Management: Construction Management, B.S.

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

First Year – 28-35 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETEM 1000: <i>Engineering Technology Management Seminar I</i>	1	DATA 1000: <i>Computers in Business</i> or CPSC 1000: <i>Introduction to Computing</i>	3
ETEM 1320: <i>Intro to Material Science and Technology</i>	3	ETCM 1100: <i>Blueprint Reading and Sketching</i>	3
MATH 1130: <i>College Algebra (Quantitative Reasoning)</i>	3	MATH 1830: <i>Calculus for Mgmt, Life, & Social Sciences</i> or MATH 1950: <i>Calculus w/ Analytic Geometry I (Quantitative Reasoning)</i>	3-4
Behavioral and Social Science	3	Writing and Communication (ENGL 1020)	3
Elective (ENGL 1010 or 1011)	0-4	Individual and Global Citizenship	3-4
Elective or Behavioral and Social Science*	3-4		
	13-18		15-17
Second Year – 34 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ACC 2010: <i>Principles of Accounting I</i>	3	ACC 2020: <i>Principles of Accounting II</i>	3
ENCE 2220: <i>Probability and Statistics for Engineering</i> , MATH 2100: <i>Introductory Statistics</i> , or DATA 2130: <i>Statistics for Business</i>	3	ECON 1010: <i>Principles of Economics: Macroeconomics (Behavioral and Social Science)</i> , ENGL 2820: <i>Scientific Writing**</i> , or ENGL 2880: <i>Professional Writing**</i>	3
ETCM 2010: <i>Industrial Safety and Risk Management</i>	3	ETCM 2020: <i>Estimating and Construction Documents I</i>	3
ETCM 2640: <i>Construction Office Practice</i>	3	ETCM 4610: <i>Construction Law and Contracts</i>	3
THSP 1090: <i>Public Speaking (Writing and Communication)</i>	3	Natural Science with Lab	4
Natural Science without Lab	3		
	18		16
Third Year – 33-36 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETCM 3090: <i>Architectural CAD</i>	3	ETCM 3150: <i>Building Information Modeling (BIM)</i>	3
ETCM 3240: <i>Construction Structures</i>	3	ETCM 4010: <i>Construction Scheduling</i>	3
ETCM 3340: <i>Building Science Applications</i>	3	ETCM 4050: <i>Strategic Mgmt for Construction Business</i>	3
ETEM 3520: <i>Cost Estimation and Analysis for Engineering Management</i>	3	Technical Elective	3-4
ETEM 3550: <i>Project Management and Practice</i>	3	Humanities and Fine Arts	3-4
Humanities and Fine Arts	3-4		
	18-19		15-17
Fourth Year – 24 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETCM 3440: <i>Mechanical and Electrical Systems in Buildings</i>	3	BUS 3350: <i>Legal Environment of Business</i>	3
ETCM 4020: <i>Estimating and Construction Documents II</i>	3	ETCM 4500: <i>Construction Management Design</i>	3
ETCM 4960R: <i>Construction Management Internship</i>	3	ETEM 4540: <i>Value Management</i>	3
ETEM 4590: <i>Facilities Management</i>	3	MGT 3150: <i>Management Concepts, Theory and Practice</i>	3
	12		12

*If ECON 1010 is taken as a major course, an elective is required.

**ENGL 1020 is a pre-requisite for ENGL 2820 and ENGL 2880. Depending on placement, ENGL 1010 or ENGL 1011 credit may be required to take ENGL 1020.

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
124 Total Hours		22-25 General Education Hours	
39 Upper Division (3000-4000) Hours		94-96 Program (Major) Hours	
32 Hours at UTC		Minor (<i>Not Required</i>)	
45 Hours at 4-year Institution		3-8 Elective Hours	
		Foreign Language (<i>Not Required</i>)	