

**Engineering Technology Management: Construction Management, B.S.**

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

<b>First Year – 28-31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ETEM 1000: <i>Engineering Technology Management Seminar I</i>	1	ETCM 1100: <i>Blueprint Reading and Sketching</i>	3
ETEM 1320: <i>Intro to Material Science and Technology</i>	3	MGT 1000: <i>Computers in Business</i> or CPSC 1000: <i>Introduction to Computing</i>	3
MATH 1130: <i>College Algebra</i> , MATH 1830: <i>Calculus for Mgmt, Life, &amp; Social Sciences</i> , or MATH 1950: <i>Calculus w/ Analytic Geometry I</i> (Quantitative Reasoning)	3-4	ECON 1020: <i>Principles of Economics: Microeconomics</i> (Behavioral and Social Science)	3
ECON 1010: <i>Principles of Economics: Macroeconomics</i> or ETR 1010: <i>Entrepreneurship: The Mindset and Skillset</i> (Behavioral and Social Science)	3	Writing and Communication (ENGL 1020)	3
Elective (ENGL 1010 or 1011)	3-4	Individual and Global Citizenship	3-4
	13-15		15-16
<b>Second Year – 34 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
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 MGT 2130: <i>Statistics for Business</i> (Quantitative Reasoning)	3	ENGL 2810: <i>Technical Writing</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</i> (Writing and Communication)	3	Natural Science with Lab	4
Natural Science without Lab	3		
	18		16
<b>Third Year – 33-36 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
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
<b>Fourth Year – 24-29 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ETCM 3440: <i>Mechanical and Electrical Systems in Buildings</i>	3	ETCM 4500: <i>Construction Management Design</i>	3
ETCM 4020: <i>Estimating and Construction Documents II</i>	3	ETEM 4540: <i>Value Management</i>	3
ETCM 4960R: <i>Construction Management Internship</i>	3	BUS 3350: <i>Legal Environment of Business</i>	3
ETEM 4590: <i>Facilities Management</i>	3	MGT 3150: <i>Management Concepts, Theory and Practice</i>	3
Elective	0-3	Elective	0-2
	12-15		12-14
<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
124 Total Hours		19-22 General Education Hours	
39 Upper Division (3000-4000) Hours		97-99 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> )	