

Engineering Technology Management: Construction Management, B.S.

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

First Year – 29-30 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
MATH 1830: <i>Calculus for Mgmt, Life, & Social Science</i> or 1950: <i>Calculus w Analytic Geometry I</i> (Mathematics)	3-4	MGT 1000: <i>Computers in Business</i> or CPSC 1000: <i>Intro to Computing</i>	3
ETEM 1000: <i>ETM Seminar I</i>	1	ETCM 1100: <i>Blueprint Reading & Sketching</i>	3
ETEM 1320: <i>Intro to Material Science and Technology</i>	3	Non-Western Culture	3
Natural Science without Lab	3	Natural Science with Lab	4
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 (Rhetoric and Writing II)	3
	13-15		16
Second Year – 33 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ECON 1010: <i>Principles of Economics: Macroeconomics</i> (Behavioral and Social Science)	3	ECON 1020: <i>Principles of Economics: Microeconomics</i> (Behavioral and Social Science)	3
ACC 2010: <i>Principles of Accounting I</i>	3	ACC 2020: <i>Principles of Accounting II</i>	3
ETCM 2010: <i>Industrial Safety & Risk Management</i>	3	ETCM 2020: <i>Estimating & Construction Documents I</i>	3
ETCM 2640: <i>Construction Office Practice</i>	3	ETCM 4610: <i>Construction Law and Contracts</i>	3
MGT 2130: <i>Stats for Business</i> , ENCE 2220: <i>Probability & Stats for Engr</i> , or MATH 2100: <i>Introductory Stats</i> (Stats)	3	ENGL 2810: <i>Technical Writing</i> , 2820: <i>Scientific Writing</i> , or 2880: <i>Professional Writing</i>	3
Fine Arts and Humanities**	3		
	18		15
Third Year – 33 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETEM 3550: <i>Project Management & Practice</i>	3	ETCM 3150: <i>Building Information Modeling (BIM)</i>	3
ETEM 3520: <i>Cost Est. & Analysis for Engineering Mgmt.</i>	3	ETCM 4010: <i>Construction Scheduling</i>	3
ETCM 3090: <i>Architectural CAD</i>	3	ETCM 4050: <i>Strategic Mgmt for Construction Business</i>	3
ETCM 3240: <i>Construction Structures</i>	3	Technical Elective	3
ETCM 3340: <i>Building Science Applications</i>	3	Technical Elective	3
Fine Arts and Humanities**	3		
	18		15
Fourth Year – 30 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETCM 4020: <i>Estimating & Construction Documents II</i>	3	ETCM 4500: <i>Construction Management Design</i>	3
ETCM 3440: <i>Mechanical and Electrical Systems in Bldgs</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	Technical Elective	3
MGT 3150: <i>Management Concepts, Theory & Practice</i>	3	Technical Elective	2-3
	15		14-15

*Fine Arts and Humanities: 6 hours must be taken so that two different categories in FAH: Historical Understanding; Literature; Thought, Values & Beliefs; or Visual & Performing Arts are satisfied.

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
127 Total Hours		22-23 General Education Hours	
39 Upper Division (3000-4000) Hours		102-104 Program (Major) Hours	
32 Hours at UTC		Minor (<i>Not Required</i>)	
60 Hours at 4-year Institution		Electives (<i>Not Required</i>)	
		Foreign Language (<i>Not Required</i>)	