

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

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

<b>First Year – 28-39 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	DATA 1000: <i>Computers in Business</i> or CPSC 1000: <i>Introduction to Computing</i>	3
ETEM 1320: <i>Introduction to Material Science and Technology</i>	3	Writing and Communication (ENGL 1020)	3
MATH 1130: <i>College Algebra</i> (Quantitative Reasoning)	3	Natural Science without Lab	3
Behavioral and Social Science	3	Humanities and Fine Arts	3-4
Humanities and Fine Arts	3-4	Individual and Global Citizenship	3-4
Elective (ENGL 1010 or 1011)	0-4	MATH 1830: <i>Calculus for Mgmt, Life, and Social Sciences</i>	3-4
	13-19	or MATH 1950: <i>Calculus w/ Analytic Geometry I</i>	18-20
<b>Second Year – 31-33 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
ETCM 1100: <i>Blueprint Reading and Sketching</i>	3	BUS 3350: <i>Legal Environment of Business</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> (Quantitative Reasoning)	3	ECON 1010: <i>Principles of Economics: Macroeconomics</i> (Behavioral and Social Science)	3
THSP 1090: <i>Public Speaking</i> (Writing and Communication)	3	Technical Elective	3-4
Technical Elective	3-4	Natural Science with Lab	4
	15-16		16-17
<b>Third Year – 27-31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ETCM 3090: <i>Architectural CAD</i>	3	ETEM 3580: <i>Material Management</i>	3
ETEM 3520: <i>Cost Est. &amp; Analysis for Engineering Mgmt.</i>	3	ETEM 3870: <i>Introduction to Logistics Management</i>	3
ETEM 3550: <i>Project Management and Practice</i>	3	ETEM 4050: <i>Engineering Management Principles</i>	3
Technical Elective	3-4	MGT 3150: <i>Management Concepts, Theory, and Practice</i>	3
ENGL 2820: <i>Scientific Writing*</i> or ENGL 2880: <i>Prof. Writing*</i>	3	Technical Elective**	0-3
	15-16		12-15
<b>Fourth Year – 24-37 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ETEM 4560: <i>Quality Improvement</i>	3	ETEM 4500: <i>Engineering Management Design and Lean Six Sigma</i>	3
ETEM 4590: <i>Facilities Management</i>	3	ETEM 4540: <i>Value Management</i>	3
ETEM 4960R: <i>Engineering Technology Management Internship</i>	3	Technical Elective	3-4
Technical Elective	3-4	Technical Elective	3-4
Elective	0-7	Technical Elective**	0-3
	12-20		12-17

\*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.

\*\*Technical Electives should total 24-25 credit hours from list of approved courses.

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
124 Total Hours		22-25 General Education Hours	
39 Upper Division (3000-4000) Hours		88-101 Program (Major) Hours	
32 Hours at UTC		Minor ( <i>Not Required</i> )	
45 Hours at 4-year Institution		0-14 Elective Hours	
		Foreign Language ( <i>Not Required</i> )	