

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

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

<b>First Year – 29-31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
MATH 1830: <i>Calculus for Mgmt, Life, &amp; 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	Fine Arts and Humanities**	3
ETEM 1320: <i>Intro to Material Science and Tech.</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
Fine Arts and Humanities**	3		
	16-18		16
<b>Second Year – 30 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
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
MGT 2130: <i>Stats for Business</i> , ENCE 2220: <i>Probability &amp; 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
ETCM 1100: <i>Blueprint Reading &amp; Sketching</i>	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
	15		15
<b>Third Year – 36 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ETEM 3550: <i>Project Management &amp; Practice</i>	3	ETEM 3580: <i>Material Management</i>	3
BUS 3350: <i>Legal Environment of Business</i>	3	ETEM 3870: <i>Intro to Logistics Management</i>	3
ETCM 3090: <i>Architectural CAD</i>	3	MGT 3150: <i>Mgmt. Concepts, Theory, &amp; Practice</i>	3
Technical Elective	3	ETEM 4050: <i>Engineering Management Principles</i>	3
ETEM 3520: <i>Cost Est. &amp; Analysis for Engineering Mgmt.</i>	3	Technical Elective	3
Technical Elective	3		
	18		15
<b>Fourth Year – 30-33 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</i>	3
ETEM 4590: <i>Facilities Management</i>	3	ETEM 4540: <i>Value Management</i>	3
ETEM 4960r: <i>ETM Internship</i>	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
Technical Elective	3	Technical Elective	3-4
Elective	0-2		
	15-16		15-16

\*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.

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
127 Total Hours		22-23 General Education Hours	
39 Upper Division (3000-4000) Hours		103-105 Program (Major) Hours	
32 Hours at UTC		Minor ( <i>Not Required</i> )	
60 Hours at 4-year Institution		0-2 Elective Hours	
		Foreign Language ( <i>Not Required</i> )	