Engineering Technology Management: Engineering 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: *Engineering Technology Management Seminar I*	1	DATA 1000: *Computers in Business* or CPSC 1000: *Introduction to Computing*	3
ETEM 1320: *Introduction to Material Science and Technology*	3	MATH 1830: *Calculus for Management, Life, and Social Sciences* or MATH 1950: *Calculus with Analytic Geometry I* (Quantitative Reasoning)	3-4
MATH 1130: *College Algebra* (Quantitative Reasoning)	3	Writing and Communication (ENGL 1020)	3
Behavioral and Social Science	3	Natural Science without Lab or Elective**	3
Humanities and Fine Arts	3-4	Humanities and Fine Arts	3-4
Elective (ENGL 1010 or 1011)*	0-4		
	13-18		15-17
Second Year – 31-34 Hours			
Fall Semester:	**Hrs**	*Spring Semester:*	**Hrs**
ACC 2010: *Principles of Accounting I*	3	ACC 2020: *Principles of Accounting II*	3
ETCM 1100: *Blueprint Reading and Sketching*	3	ECON 1010: *Principles of Economics: Macroeconomics* (Behavioral and Social Science)	3
ENCE 2220: *Probability and Statistics for Engineering*, MATH 2100: *Intro. Statistics*, or DATA 2130: *Statistics for Business*	3	Technical Elective	3-4
THSP 1090: *Public Speaking* (Writing and Communication)	3	Natural Science with Lab or Elective**	4
Technical Elective	3-4	Individual and Global Citizenship	3-4
	15-16		16-18
Third Year – 30-31 Hours			
Fall Semester:	**Hrs**	*Spring Semester:*	**Hrs**
ENGL 2820: *Scientific Writing** or ENGL 2880: *Professional Writing**	3	BUS 3350: *Legal Environment of Business*	3
ETCM 3090: *Architectural CAD*	3	ETEM 3580: *Materials Management*	3
ETEM 3520: *Cost Estimation and Analysis for Engineering Management*	3	ETEM 3870: *Introduction to Logistics Management*	3
ETEM 3550: *Project Management and Practice*	3	ETEM 4050: *Engineering Management Principles*	3
Technical Elective	3-4	MGT 3150: *Management Concepts, Theory, and Practice*	3
	15-16		15
Fourth Year – 24-34 Hours			
Fall Semester:	**Hrs**	*Spring Semester:*	**Hrs**
ETEM 4560: *Quality Improvement*	3	ETEM 4500: *Engineering Mgt. Design and Lean Six Sigma*	3
ETEM 4590: *Facilities Management*	3	ETEM 4540: *Value Management*	3
ETEM 4960R: *Engineering Technology Management Internship*	3	Technical Elective	3-4
Technical Elective	3-4	Technical Elective	3-4
Technical Elective**	0-3	Technical Elective**	0-3
Elective	0-1		
	12-17		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. Some may satisfy general education requirement. Consult catalog and your advisor for more detail.

Completed:			
Graduation Requirements:	**Hrs**	**Degree Requirements:**	**Hrs**
124 Total Hours		15-25 General Education Hours	
39 Upper Division (3000-4000) Hours		97-99 Program (Major) Hours	
31 Hours at UTC		Minor *(Not Required)*	
45 Hours at 4-year Institution		0-12 Elective Hours	
		Foreign Language *(Not Required)*	