CLEAR PATH for ADVISING –   2023-2024

Engineering Technology Management: Engineering Management, B.S.

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

First Year – 31-37 Hours				
Fall Semester:	Hrs	*Spring Semester:*		Hrs
ETEM 1000: *Engineering Technology Management Seminar I*	1	MGT 1000: *Computers in Business* or CPSC 1000: *Introduction to Computing*		3
ETEM 1320: *Introduction to Material Science and Technology*	3	ECON 1020: Principles of Economics: Microeconomics (Behavioral and Social Science)		3
MATH 1130: *College Algebra* (Quantitative Reasoning)	3	Writing and Communication *(ENGL 1020)*		3
ECON 1010: *Principles of Economics: Macroeconomics* or ETR 1010: *Entreprenuership: The Mindset and Skillset* (SB)	3	Humanities and Fine Arts		3-4
Humanities and Fine Arts	3-4	Individual and Global Citizenship		3-4
Elective (ENGL 1010 or 1011)	3-4	MATH 1830: *Calculus for Mgmt, Life, and Social Sci*		3-4
	16-18	or MATH 1950: *Calculus w/ Analytic Geometry I*		18-20
Second Year – 30-32 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	BUS 3350: *Legal Environment of Business*		3
ENCE 2220: *Probability and Statistics for Engineering* , MATH 2100: *Introductory Statistics, or MGT 2130: Statistics for Business* (QR)	3	ENGL 2810: *Technical Writing,* ENGL 2820: *Scientific Writing,* or ENGL 2880: *Professional Writing*		3
THSP 1090: *Public Speaking* (Writing and Communication)	3	Technical Elective		3-4
Technical Elective	3-4	Natural Science without Lab		3
	15-16			15-16
Third Year – 28-32 Hours				
Fall Semester:	Hrs	*Spring Semester:*		Hrs
ETCM 3090: *Architectural CAD*	3	ETEM 3580: *Material Management*		3
ETEM 3520: *Cost Est. & Analysis for Engineering Mgmt.*	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
Natural Science with Lab	4	Technical Elective*		0-3
	16-17			12-15
Fourth Year – 24-32 Hours				
Fall Semester:	Hrs	*Spring Semester:*		Hrs
ETEM 4560: *Quality Improvement*	3	ETEM 4500: *Engineering Management Design / 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
Elective	0-4	Technical Elective*		0-3
	12-17			12-15

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

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
124 Total Hours		19-22 General Education Hours	
39 Upper Division (3000-4000) Hours		97-98 Program (Major) Hours	
32 Hours at UTC		Minor *(Not Required)*	
45 Hours at 4-year Institution		4-8 Elective Hours	
		Foreign Language *(Not Required)*	