

COLLEGE OF TECHNOLOGY

Bachelor of Science, Mechanical Engineering Technology

Four-Year Academic Map 2020-2021

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	MECT 1364	Materials & Processes I	3	MECT 1330	Engineering Graphics	3	
	MATH 1330 (MATH 2312)	Precalculus	3	MATH 1431 (MATH 2413)	Calculus I	4	
	Core Course	Communication	3	Core Course	Communication	3	
	CHEM 1301/1101 (CHEM1306/1106)	Foundations of Chemistry I & Lab	4	PHYS 1301/1101	College Physics I & Lab	4	
	Core Course	American History	3	Core Course	American History	3	
	Semester Hours		16	Semester Hours		17	33

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	MECT 2354	Introduction To Mechanics	3	MECT 3360	Automated Manufacturing Sys	3	
	MATH 1432 (MATH 2414)	Calculus II	4	ELET 2307	Electrical-Electronic Circuits	3	
	ELET 2300	Introduction to C++ Program	3	Core Course	Creative Arts	3	
	PHYS 1302/1102	College Physics II & Lab	4	Core Course	Social & Behavioral Science	3	
	Core Course	Federal Government	3	Core Course	Texas Government	3	
	Semester Hours		17	Semester Hours		15	32

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	MECT 3355/3155	Strength of Materials & Lab	4	MECT 3358	Dynamics of Mechanisms	3	
	MECT 3318/3118	Fluid Mechanic Applications & Lab	4	MECT 3365	Computer-Aided Design	3	
	MECT 3331	Applied Thermodynamics	3	MECT 3342	Elements of Plant Design	3	
	TLIM 3363	Technical Communication	3	MECT 3367	Quality Control Technology	3	
	Elective	Free Elective	3	TLIM 3340	Org Leadership & Supervision	3	
	Semester Hours		17	Semester Hours		15	32

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	MECT 4275	Senior Design Project	2	MECT 4276	Senior Design Project	2	
	MECT 4372/4172	Materials Technology & Lab	4	MECT 4188	Ethics in Engineering	1	
	MECT 4331	Heat Transfer Applications	3	Core Course	Language, Philosophy & Culture	3	
	MECT Elective		3	MECT Elective		3	
	MECT Elective		3	MECT Elective		3	
	Semester Hours		15	Semester Hours		12	27
						124	

(Texas Common Course Number) Courses in Bold are important prerequisites and should be taken as early as students are able. Students should meet with their academic advisor to formulate their own plan.