



# COLLEGE OF TECHNOLOGY

## Bachelor of Science, Mechanical Engineering Technology

### Four-Year Academic Map 2021-2022

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	<b>MECT 1364</b>	<b>Materials &amp; Processes I</b>	<b>3</b>	<b>MECT 1330</b>	<b>Engineering Graphics</b>	<b>3</b>	
	<b>MATH 2312</b>	<b>Precalculus</b>	<b>3</b>	<b>MATH 2413</b>	<b>Calculus I</b>	<b>4</b>	
	HIST 1377	United States History to 1877	3	HIST 1378	United States History since 1879	3	
	CHEM 1305/1105	Foundations of Chemistry I & Lab	4	PHYS 1301/1101	College Physics I & Lab	4	
	ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3	
	Semester Hours			16	Semester Hours		17

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	<b>MECT 2354</b>	<b>Introduction To Mechanics</b>	<b>3</b>	MECT 3360	Automated Manufacturing Sys	3	
	MATH 2414	Calculus II	4	ELET 2307	Electrical-Electronic Circuits	3	
	ELET 2300	Introduction to C++ Program	3	CORE	Creative Arts	3	
	PHYS 1302/1102	College Physics II & Lab	4	CORE	Social & Behavioral Science	3	
	GOVT 2306	US & Texas Constitution & Politics	3	GOVT 2305	US Government	3	
	Semester Hours			17	Semester Hours		15

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	<b>MECT 3355/3155</b>	<b>Strength of Materials &amp; Lab</b>	<b>4</b>	<b>MECT 3358</b>	<b>Dynamics of Mechanisms</b>	<b>3</b>	
	<b>MECT 3318/3118</b>	<b>Fluid Mechanic Applications &amp; Lab</b>	<b>4</b>	<b>MECT 3365</b>	<b>Computer-Aided Design</b>	<b>3</b>	
	<b>MECT 3331</b>	<b>Applied Thermodynamics</b>	<b>3</b>	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

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	<b>MECT 4275</b>	<b>Senior Design Project</b>	<b>2</b>	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	Language, Philosophy & Culture	3	
	MECT Elective		3	MECT Elective		3	
	MECT Elective		3	MECT Elective		3	
	Semester Hours			15	Semester Hours		12
							124

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.