

# COLLEGE OF TECHNOLOGY

## Bachelor of Science, Mechanical Engineering Technology

### Four-Year Academic Map 2022-2023

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 1301	U.S. to 1877	3	HIST 1302	U.S. since 1879	3	
	CHEM 1305/1105	Foundations of Chemistry I & Lab	4	<b>PHYS 1301/1101</b>	<b>College Physics I &amp; Lab</b>	<b>4</b>	
	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>	<b>MECT 3355/3155</b>	<b>Strength of Materials &amp; Lab</b>	<b>4</b>	
	<b>MATH 2414</b>	<b>Calculus II</b>	<b>4</b>	<b>MECT 3318/3118</b>	<b>Fluid Mechanic Applications &amp; Lab</b>	<b>4</b>	
	ELET 2300	Introduction to C++ Program	3	MECT 3360	Automated Manufacturing Sys	3	
	<b>PHYS 1302/1102</b>	<b>College Physics II &amp; Lab</b>	<b>4</b>	ELET 2307	Electrical-Electronic Circuits	3	
	GOVT 2306	US & Texas Constitution & Politics	3	GOVT 2305	US Government	3	
	Semester Hours			17	Semester Hours		17

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	<b>MECT 3358</b>	<b>Dynamics of Mechanisms</b>	<b>3</b>	<b>MECT 3365</b>	<b>Computer-Aided Design</b>	<b>3</b>	
	<b>MECT 3331</b>	<b>Applied Thermodynamics</b>	<b>3</b>	<b>MECT 3342</b>	<b>Elements of Plant Design</b>	<b>3</b>	
	CORE	Social & Behavioral Science		MECT 3367	Quality Control Technology	3	
	TLIM 3363	Technical Communication	3	TLIM 3340	Org Leadership & Supervision	3	
	CORE	Creative Arts	3	MECT Elective		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	Elective	Free 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.