

# COLLEGE OF TECHNOLOGY

## Bachelor of Science, Mechanical Engineering Technology

### Four-Year Academic Map 2018-2019

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 1330</b>	<b>Pre-calculus</b>	<b>3</b>	<b>MATH 1431</b>	<b>Calculus I</b>	<b>4</b>	
	HIST 1377	The United States 1877	3	HIST 1378	The United States since 1877	3	
	CHEM1301/1101	Foundations of Chemistry & Lab	4	PHYS 1301/1101	Intro to General Physics & Lab	4	
	ENGL 1303	First Year Writing I	3	ENGL 1304	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 3341	Computer Aided Drafting	3	
	MATH 1432	Calculus II	4	ELET 2307	Electrical-Electronic Circuits	3	
	ELET 2300	Introduction to C++ Programming	3	MECT 3360	Automated Manufacturing Sys	3	
	PHYS 1302/1102	Intro to General Physics II & Lab	4	TECH 1313	Impact of Modern Tech on Society	3	
				POLS 1336	US & TX Constitutions & Politics	3	
	Semester Hours			14	Semester Hours		15

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	<b>MECT 3551/3155</b>	<b>Strength of Materials &amp; Lab</b>	<b>4</b>	<b>MECT 3358</b>	<b>Dynamics of Mechanisms</b>	<b>3</b>	
	<b>MECT3318/3118</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	
	POLS 1337	US Government	3	MECT 3367	Quality Control Technology	3	
	TELS 3363	Technical Communication	3	TELS 3340	Org Leadership & Super	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	
	CORE	Creative Arts	3	CORE	Language, Philosophy & Culture	3	
	MECT Elective	MECT 3362, 4323, 4341, 4360, 4384, 4300, 4332, 4326	6	MECT Elective	MECT 3362, 4323, 4341, 4360, 4384, 4350, 4365, 4361, 4343, 4300, 4332, 4326, 4328, 4337	6	
				Elective	Free Elective	3	
	Semester Hours			15	Semester Hours		15
							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.**