



COLLEGE OF TECHNOLOGY

Bachelor of Science, Mechanical Engineering Technology

Four-Year Academic Map 2017-2018

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	MECT 1364	Materials & Processes I	3	MECT 1330	Engineering Graphics	3	
	MATH 1330	Pre-calculus	3	MATH 1431	Calculus I	4	
	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	33

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	MECT 2354	Introduction To Mechanics	3	MECT 3341	Computer Aided Drafting	3	
	MATH 1432	Calculus II	4	ELET 2300	Introduction to C++ Programming	3	
				ELET 2307	Electrical-Electronic Circuits	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	POLS 1337	US Government	3	
	Semester Hours		14	Semester Hours		15	29

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	MECT 3551/3155	Strength of Materials & Lab	4	MECT 3358	Dynamics of Mechanisms	3	
	MECT3318/3118	Fluid Mechanic Applications & Lab	4	MECT 3365	Computer-Aided Design	3	
	MECT 3331	Applied Thermodynamics	3	MECT 3342	Elements of Plant Design	3	
	MECT 3360	Automated Manufacturing Sys	3	MECT 3367	Quality Control Technology	3	
	TELS 3340	Org Leadership & Super	3	TELS 3363	Technical Communication	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	
	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	30
						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.