



College of Technology

Bachelor of Science in Mechanical Engineering Technology

Four-Year Academic Map 2014-2015

Year 1	Semester 1			Semester 2			Total	
	ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3		
	MATH 1330	Precalculus	3	MATH 1431	Calculus I	4		
	HIST 1377	The United States 1877	3	HIST 1378	The United States since 1877	3		
	CHEM 1301/1101	Foundations of Chemistry & Lab	4	PHYS 1301/1101	Intro to General Physics & Lab	4		
	MECT 1330	Engineering Graphics	3	MECT 1364	Materials & Processes I	3		
	Semester Hours			16	Semester Hours			17

Year 2	Semester 1			Semester 2			Total	
	POLS 1336	US & Texas Constitutions & Politics	3	POLS 1337	US Government	3		
	MATH 1432	Calculus II	4	MECT 2354	Introduction To Mechanics	3		
	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		
				MECT 3341	Computer Aided Drafting	3		
	Semester Hours			14	Semester Hours			15

Year 3	Semester 1			Semester 2			Total	
	TELS 3340	Organizational Leadership & Super	3	TELS 3363	Technical Communication	3		
	MECT 3360	Automated Manufacturing Systems	3	MECT 3342	Elements of Plant Design	3		
	MECT 3318/3118	Fluid Mechanic Applications & Lab	4	MECT 3358	Dynamics of Mechanisms	3		
	MECT 3331	Applied Thermodynamics	3	MECT 3365	Computer-Aided Design	3		
	MECT 3355/3155	Strength of Materials & Lab	4	MECT 3367	Quality Control Technology	3		
	Semester Hours			17	Semester Hours			15

Year 4	Semester 1			Semester 2			Total	
	Creative Arts	Core Course	3	Language, Philosophy & Culture	Core Course	3		
	MECT 4372/4172	Materials Technology & Lab	4	MECT 4188	Ethics in Engineering	1		
	MECT 4275	Senior Design Project	2	MECT 4276	Senior Design Project	2		
	MECT Elective	MECT 3362, 4323, 4341, 4360, 4384, 4350, 4365, 4365, 4361, 4343, 4300, 4332, 4326, 4328, 4337	6	MECT Elective	MECT 3362, 4323, 4341, 4360, 4384, 4350, 4365, 4365, 4361, 4343, 4300, 4332, 4326, 4328, 4337	6		
				Free Elective		3		
	Semester Hours			15	Semester Hours			15
Students should meet with their academic advisor to formulate their own plan.							124	

