

# COLLEGE OF ENGINEERING

## Bachelor of Science, Industrial Engineering

### Four-Year Academic Map 2016-2017

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ENGI 1100	Introduction to Engineering	1	ENGI 1331	Computing for Engineers	3	
	CHEM 1331	Fundamentals of Chemistry*	3	MATH 1432	Calculus II*	4	
	CHEM 1111	Fundamentals of Chemistry Lab	3	PHYS 1321	University Physics I*	3	
	ENGL 1303	First Year Writing I*	3	ENGL 1304	First Year Writing II*	3	
	MATH 1431	Calculus I*	4	HIST 1378	The United States Since 1877*	3	
	CORE	Language, Philosophy & Culture*	3			3	
	Semester Hours			15	Semester Hours		16

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	POLS 1336	U.S. & TX Constitutions & POLS*	3	INDE 3333	Engineering Economy I	3		
	INDE 3330	Financial & Cost Management	3	MECE 3400	Introduction to Mechanics	4		
	INDE 2333	Engineering Statistics I	3	INDE 2331	Computer Applications for Industrial	3		
	MATH 2433	Calculus III	4	ENGI 2304	Technical Communications	3		
	PHYS 1322	University Physics II	3	MATH 3321	Engineering Mathematics	3		
	Semester Hours			16	Semester Hours		16	32

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	POLS 1337	U.S. Government*	3	CORE	Creative Arts*	3		
	INDE 3382	Stochastic Models	3	INDE 3381	Linear Optimization	3		
	INDE 3364	Engineering Statistics II	3	INDE 4331	Analysis of Industrial Activities	3		
	INDE 3310	Quality Control and Improvement	3	INDE 4369	Facility Planning and Design	3		
	INDE 3432	Manufacturing Processes	4	INDE 3362	CAD/CAM	3		
	Semester Hours			16	Semester Hours		15	31

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	INDE 4370	Discrete Event Simulation	3	INDE 4315	Supply Chain Management	3	
	INDE 4111	Industrial Engineering Seminar	1	INDE 4372	Operations Control	3	
	ENGI 2334	Introduction to Thermodynamics	3	INDE4337	Human Factors & Ergonomics	3	
	INDE 4320	Computer-Integrated Mfg.	3	INDE 4334	Engineering Systems Design	3	
	HIST 1378/79	The US Since 1877	3	Tech Elective	Technical Elective	3	
	CORE	Social & Behavioral Sciences*	3				
	Semester Hours			16	Semester Hours		15
							125

\*State of Texas Core Curriculum

Students should meet with their academic advisor to formulate their own plan.