College of Engineering
Bachelor of Science - Industrial Engineering
Four-Year Academic Map 2014-2015

Year 1

Semester 1			Semester 2			Total
CHEM 1372	Chemistry for Engineers	3	INDE 1331	Computing for Engineers	3	
CHEM 1117	Chemistry for Engineers Lab	1	ENGL 1304	First Year Writing II	3	
ENGL 1303	First Year Writing I	3	HIST 1378/79	The United States Since 1877	3	
HIST 1376/77	The United States to 1877	3	MATH 1432	Calculus II	4	
CORE	Language, Philosophy & Culture	3	PHYS 1321	University Physics I	3	
MATH 1431	Calculus I	4				
Semester Hours		17	Semester Hours		16	33

Year 2

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

Year 3

Semester 1			Semester 2			
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	3	INDE 4369	Facilities Planning & Design	3	
INDE 3432	Manufacturing Processes	4	INDE 3362	CAD / CAM	3	
Semester Hours		16	Semester Hours		15	31

Year 4

Semester 1			Semester 2			
CORE	Social & Behavioral Sciences	3	INDE 4315	Supply Chain Management	3	
INDE 4370	Discrete Event Simulation	3	INDE 4372	Operation Control	3	
INDE 4111	Industrial Engineering Seminar	1	INDE 4337	Human Factors & Ergonomics	3	
INDE 4320	Computer Integrated Manufacture	3	INDE 4334	Engineering Systems Design	3	
ECE 3336	Intro to Circuits & Electronics	3	Tech Elective	Technical Elective	3	
ENGI 2334	Intro to Thermodynamics	3				
Semester Hours		16	Semester Hours		15	31
						127

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