



Bachelor Of Science in Electrical Engineering

Four Year Curriculum

2015-2016 Catalog

The University of Texas at Tyler

Freshman Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
ENGL 1301	College Composition I	3	COSC 1436	Programming Fundamentals with Lab	4
MATH 2413	Calculus I	4	PHYS 2325	University Physics I	3
CHEM 1311	General Chemistry I	3	PHYS 2125	University Physics I Lab	1
CHEM 1111	General Chemistry I Lab	1	MATH 2414	Calculus II	4
ENGR 1201	Introduction to Engineering	2	ENGL 1302	College Composition II	3
EENG 1301	Engineering the Future	3	EENG 2101	Matlab	1
Semester Credit Hours		16	Semester Credit Hours		16

Sophomore Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
PHYS 2326	University Physics II	3	MATH 3305	Differential Equations	3
PHYS 2126	University Physics II Lab	1	HIST 1303	History of Tech and Innovation in US Soc	3
PHIL 2306	Introduction to Ethics	3	ECON 2302	Principles of Microeconomics, OR	3
HIST 1301	United States History I	3	ECON 2301	Principles of Macroeconomics	3
MATH 3404	Multivariate Calculus	4	SPCM 1315	Fundamentals of Speech Communication	3
EENG 3302	Digital Systems	3	EENG 3304	Linear Circuits Analysis I	3
			EENG 3104	Linear Circuits Analysis I Lab	1
Semester Credit Hours		17	Semester Credit Hours		16

Junior Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
MATH 3202	Matrix Methods for Engineers	2	EENG 4308	Automatic Controls	3
EENG 3303	Electromagnetic Fields	3	EENG 4311	Signals & Systems	3
EENG 3305	Linear Circuits Analysis II	3	EENG 3307	Microprocessors	3
EENG 3306	Electronic Circuits Analysis I	3	ENGR 3314	Design Methodology in Engineering	3
EENG 3106	Electronic Circuits Analysis I Lab	1	EENG 4309	Electronics Circuits Analysis II	3
MATH 3351	Probability & Statistics for Engineers	3	EENG 4109	Electronic Circuits Analysis II Lab	1
Semester Credit Hours		15	Semester Credit Hours		16

Senior Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
EENG 4115	Senior Design I	1	EENG 4315	Senior Design II	3
ENGR 4109	Senior Seminar	1		Approved 4000 Level Technical Elective	3
EENG 4310	Electric Power Systems	3		Approved 4000 Level Technical Elective	3
EENG 4312	Communications Theory	3		Creative Arts	3
	Approved Engineering or Science Elective	3	POLS 2306	Introductory Texas Politics	3
	Approved 4000 Level Technical Elective	3			
ENGR 4009	FE Exam Preparation	0			
POLS 2305	Introduction to American Government	3			
Semester Credit Hours		17	Semester Credit Hours		15

Total Credit Hours at UT Tyler 128
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