Bachelor of Science in Electrical Engineering, Computer Engineering Emphasis

Effective D Fall 2013

S-H-F: Social Science, Humanities, or Fine Arts Electives; Tech-E: Technical Electives

FRESHMAN YEAR

CHEM	105	General Chemistry I	3	CSCI	112	Computer Science II	3
CHEM	115	General Chemistry Lab I	1	EL E	235	Princip. of Digital Systems	3
CSCI	111	Computer Science I	3	EL E	236	Digital Systems Lab I	1
EL E	100	Intro. to Electrical Eng.	1	WRIT	102	First Year Writing II	3
WRIT	101	First Year Writing I	3	MATH	262	Calculus II	3
MATH	261	Calculus I	3	PHYS	211	Phys. for Sci. & Eng. I	3
S-H-F	xxx		3	PHYS	221	Phys. for Sci. & Eng. Lab I	1
		Semester Total:	17			Semester Total:	17

SOPHOMORE YEAR

EL E	385	Advanced Digital Systems	3	ENGR	310	Engineering Analysis I	3
MATH	263	Calculus III	3	EL E	386	Adv. Digital Sys. Lab	1
PHYS	212	Phys. for Sci. & Eng. II	3	ENGR	361	Electric Circuit Laboratory	1
PHYS	222	Phys. for Sci. & Eng. Lab II	1	MATH	264	Calculus IV	3
ENGR	360	Electric Circuit Theory	3	MATH	353	Differential Equations	3
CSCI	211	Computer Science III	3	CSCI	223	Comp. Org. & Assem. Lang.	3
				S-H-F	xxx		3
		Semester Total:	16			Semester Total:	17

JUNIOR YEAR

EL E	331	Linear Systems	3	EL E	341	Theory of Fields	3
EL E	351	Electronics Circuits I	3	EL E	352	Electronics Circuits II	3
EL E	485	Micropr. Systems Eng.	2	EL E	353	Electronics Lab	1
EL E	486	Micropr. Systems Eng. Lab	1	EL E	367	CAD in Electrical Eng.	3
MATH	301	Discrete Mathematics	3	EL E	391	Random Signals	3
ENGR	410	Engineering Analysis II	4	EL E	431	Theory of Control Systems	3
		Semester Total:	16			Semester Total:	16

SENIOR YEAR

EL E	461	Senior Design in EE I	1	EL E	462	Senior Design in EE II	2
CSCI	423	Intro. To Operating Sys.	3	S-H-F	xxx		3
ENGR	321	Thermodynamics	3	ECON	310	Engineering Economy	3
Tech-E	xxx		2	S-H-F	xxx		3
EL E	425	Local Area Networks	3	ENGR	309	Statics	3
S-H-F	xxx		3				
		Semester Total:	15			Semester Total:	14

Total Program Semester Hours: 128

* ENGR 330 can be used as a substitute course, ONLY if EL E 331 is not being taught