

**Bachelor of Science in Electrical Engineering  
with Emphasis in Computer Engineering  
Spring 2003**

<b>FRESHMAN YEAR</b>									
MATH	261	Calculus I	_____	3	MATH	262	Calculus II	_____	3
CHEM	105	General Chemistry	_____	3	CSCI	112	Computer Science II	_____	3
CHEM	115	Gen Chemistry Lab	_____	1	LIBA	102	First Year Seminar	_____	3
ENGL	101	English Comp	_____	3	PHYS	211	Phys. for Sci. & Eng.	_____	3
CSCI	111	Computer Science I	_____	3	PHYS	221	Phys. for Sci. & Eng. Lab	_____	1
EL E	100	Introduction to EE	_____	1	S-H-F Elective		_____	_____	3
US	101	University Studies	_____	1					
S-H-F Elective		_____	_____	3					
Semester Total:				18	Semester Total:				16
<b>SOPHOMORE YEAR</b>									
MATH	263	Calculus III	_____	3	MATH	264	Calculus IV	_____	3
PHYS	212	Phys. for Sci. & Eng.	_____	3	MATH	353	Differential Equations	_____	3
PHYS	222	Phys. for Sci. & Eng. Lab	_____	1	ENGR	360	Electric Circuit Theory	_____	4
EL E	335	Digital Systems	_____	3	ENGR	361	Electric Circuits Lab	_____	1
EL E	336	Digital Systems Lab	_____	1	CSCI	223	Computer Organization	_____	3
CSCI	211	Computer Science III	_____	3	ECON	310	Eng. Economics	_____	3
S-H-F Elective		_____	_____	3					
Semester Total:				17	Semester Total:				17
<b>JUNIOR YEAR</b>									
MATH	301	Discrete Math	_____	3	CSCI	361	Intro. to Comp. Networks	_____	3
ENGR	410	Eng. Analysis II	_____	4	EL E	331	Linear Systems	_____	3 *
CSCI	423	Intro. to Op. Systems	_____	3	EL E	341	Theory of Fields	_____	3
EL E	351	Models & Circuits I	_____	3	EL E	352	Models & Circuits II	_____	3
EL E	367	CAD in EE I	_____	2	EL E	353	Electronics Lab	_____	1
EL E	385	Advanced Digital Sys.	_____	3	EL E	368	CAD in EE II	_____	1
					EL E	386	Adv. Digital Sys. Lab	_____	1
Semester Total:				18	Semester Total:				15
<b>SENIOR YEAR</b>									
ENGR	309	Eng. Mechanics	_____	3	CSCI	433	Algor. & Data Str. Anal.	_____	3
EL E	431	Theory of Control Sys.	_____	3	ENGR	321	Thermodynamics	_____	3
EL E	461	Senior Design I	_____	1	EL E	462	Senior Design II	_____	2
EL E	485	Micropr. Sys. Eng.	_____	2	Tech. Electives		_____	_____	6
EL E	486	Micropr. Sys. Eng. Lab	_____	1	S-H-F Elective		_____	_____	3
EL E	533	Electronic Prop. Mat.	_____	3					
S-H-F Elective		_____	_____	3					
Semester Total:				16	Semester Total:				17

**Total Semester Hours: 134**

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