

Course Checklist for Graduation
Bachelor of Science in Electrical Engineering
with Emphasis in Telecommunications
Fall 2007

MATH

MATH	261	Calculus I	_____	3
MATH	262	Calculus II	_____	3
MATH	263	Calculus III	_____	3
MATH	264	Calculus IV	_____	3
MATH	353	Differential Equations	_____	3
Total:				15

ENGINEERING

ENGR	309	Eng. Mechanics	_____	3
ENGR	321	Thermodynamics	_____	3
ENGR	360	Electric Circuit Theory	_____	4
ENGR	361	Electric Circuits Lab	_____	1
ENGR	410	Eng. Analysis II	_____	4
Total:				15

S-H-F ELECTIVES

S-H-F Electives	_____	_____	6	
S-H-F Electives	_____	_____	6	
S-H-F Elective	_____	_____	3	
ECON	310	Eng. Economics	_____	3
Total:				18

ELECTRICAL ENGINEERING

EL E	100	Introduction to EE	_____	1
EL E	331	Linear Systems	_____	3
EL E	335	Digital Systems	_____	3
EL E	336	Digital Systems Lab	_____	1
EL E	341	Theory of Fields	_____	3
EL E	351	Models & Circuits I	_____	3
EL E	352	Models & Circuits II	_____	3
EL E	353	Electronics Lab	_____	1
EL E	367	CAD in EE	_____	2
EL E	385	Advanced Digital Sys.	_____	3
EL E	386	Adv. Digital Sys. Lab	_____	1
EL E	391	Random Signals	_____	3
EL E	431	Theory of Control Sys.	_____	3
EL E	441	Electromag. Theory I	_____	3
EL E	461	Senior Design I	_____	1
EL E	462	Senior Design II	_____	2
EL E	533	Electronic Prop. Mat.	_____	3
Total:				39

COMPUTER SCIENCE

CSCI	251	Prog. for Eng. & Sci.	_____	3
CSCI	259	Programming in C	_____	3
CSCI	361	Int. to Comp. Networks	_____	3
Total:				9

ENGLISH

ENGL	101	English Comp	_____	3
LIBA	102	First Year Seminar	_____	3
Total:				6

BASIC SCIENCE

CHEM	105	General Chemistry	_____	3
CHEM	115	Gen Chemistry Lab	_____	1
PHYS	211	Phys. for Sci. & Eng.	_____	3
PHYS	212	Phys. for Sci. & Eng.	_____	3
PHYS	221	Phys. for Sci. & Eng. Lab	_____	1
PHYS	222	Phys. for Sci. & Eng. Lab	_____	1
Total:				12

TELECOMMUNICATIONS MAJOR

EL E	447	Mod., Noise, & Comm.	_____	3
TC	415	Telecom Lab	_____	1
TC	432	Local Area Networks	_____	3
TC	535	Digital Communications	_____	3
Total:				10

TECHNICAL ELECTIVES (4 HRS)

EL E	433	HF & Microwave Lab	_____	1
EL E	442	Electromag. Theory II	_____	3
EL E	443	Network Analysis	_____	3
EL E	451	Energy Conversion	_____	3
EL E	453	Solid State Devices	_____	3
EL E	485	Micropr. Sys. Eng.	_____	2
EL E	486	Micropr. Sys. Eng. Lab	_____	1
EL E	487	DSP Lab	_____	1
EL E	523	Microwave Eng.	_____	3
EL E	525	Intro. to Antennas	_____	3
TC	409	Current Issues Telecom	_____	3
TC	534	Wireless Mobile Comm.	_____	3
TC	433	Optical Fiber Comm.	_____	3
TC	491	Sp. Top. In Telecom	_____	3
CSCI	561	Computer Networks	_____	3
ENGR	597	Special Topics	_____	1-3
Total:				4

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

Total Semester Hours: 128

