

4-Year UNDERGRADUATE CURRICULUM PLAN  
**Bachelor of Science in Electrical Engineering**  
 (COMMUNICATIONS Elective Sequence)  
 Effective 2003-2004 Catalog Year

**SEMESTER 1**

**SEMESTER 2**

<u>Course</u>	<u>Title</u>	<u>Units</u>	<u>Course</u>	<u>Title</u>	<u>Units</u>
<b>FRESHMAN</b>					
UNIV 100	University 100	1	MATH 123	Calculus II	4
MATH 122	Calculus I (GE – B2)	4	PHYS 151	Mechanics and Heat (GE-B1b)	4
CECS 174	Program & Problem Solving I	3	EE 200	Trends in Electrical Engineering	1
	G.E.	<u>2</u>	EE 201	Digital Logic Design	4
	TOTAL	17		G.E.	<u>3</u>
				TOTAL	16
<b>SOPHOMORE</b>					
MATH 224	Calculus III	4	MATH 370A	Applied Mathematics I	3
PHYS 152 OR EE210 and EE 210L			PHYS 254	Applied Modern Physics	3
Elec. & Mag. OR Fund. Elec. Circuits and Lab		4/4	EE 211	Electric & Electronics Circuits	3
EE 346	Microprocessor Princ. & Appl.	3	EE 211L	Electric Circuits Lab	1
	G.E.	<u>6</u>	ENGR 202	Computer Methods in Eng.	3
	TOTAL	17	EE 347	Microprocessor Based System Des.	<u>3</u>
				TOTAL	16
<b>JUNIOR</b>					
EE 310	Electric Circuits II	3	EE 370	Control Systems	3
EE 330	Analog Electronics Circuits I	4	EE 380	Engineering Probability & Stats.	3
EE 350	Energy Conversion Principles	3	EE 382	Communication Systems I	3
CE370/MAE330	Analytical Mech./Eng. Thermo. I	3	EE 386	Digital Signal Processing I	3
	G.E.	<u>6</u>	EE 430	Analog Electronic Circuits II	3
	TOTAL	19	EE 430L	Analog Electronics Lab II	<u>1</u>
				TOTAL	16
<b>SENIOR</b>					
EE 462 OR 464	E&M Wireless/ E&M Optics	3	EE 370L	Control Systems Lab	1
EE 482	Communication Systems II	3	EE 400D	EE Sem. & Project Design Lab	2
EE 488A	Communication Systems Des. I	3	EE 486	Communications A.E.	3
EE 486	Digital Signal Processing	3	EE 488B	Communication Systems Des. II	3
	G.E.	<u>6</u>	EE ---	Communications A.E.	3
	TOTAL	15		G.E.	<u>6</u>
				TOTAL	18

\*Senior Design Project – 2 hours lecture, 3 hour lab

A.E. Approved Communication Electives to minimum of 134 units. See advisor for selection of approved elective courses. Note: Other 400 level elective courses must be approved by the Communications Elective Sequence Advisor. 500 level elective courses require approval of both the Communications Emphasis Advisor and the Associate Dean of Instruction.

TOTAL COMMUNICATIONS UNITS: 134