6-Year UNDERGRADUATE CURRICULUM PLAN

Bachelor of Science in Electrical Engineering

(DSP Elective Sequence)

Effective 2003-2004 Catalog Year

FALL SEMESTER

Course	Title	Units
	1st Year	
UNIV 100	**University 100**	**1**
MATH 122	**Calculus I (GE – B2)**	**4**
	G.E. (Category A1,A2)	**6**
	TOTAL	11
	2nd Year	
MATH 224	Calculus III	4
EE 201	Digital Logic Design	4
	GE	**3**
	TOTAL	11
	3rd Year	
EE 211	Electric Circuits I	3
EE 211L	Electric Circuits Lab	1
CECS 174	Programming & Problem Solving I	3
	GE	**3**
		10
	4th Year	
EE 346	Microprocessor Princ. & Appl.	3
EE 310	Electric Circuits II	3
	GE	**6**
	TOTAL	12
	5th Year	
EE 330	Analog Electronics Circuits I	4
EE 382	Communication System I	3
EE 350	Energy Conversion Principles	3
	TOTAL	10
	6th Year	
EE 482	*Communication Systems II*	*3*
EE 486	*Digital Signal Processing*	*3*
EE ---	*DSP A.E.*	*3*
	G.E.	**3**
	TOTAL	12

SPRING SEMESTER

Course	Title	Units
	1st Year	
MATH 123	Calculus II	4
PHYS 151	**Mechanics and Heat (GE-B1b)**	**4**
	G.E. (Category A3)	**3**
	TOTAL	11
	2nd Year	
PHYS 152 OR EE 210 & EE 210L		4/4
EE 200	Trends in EE	1
	GE	**6**
	TOTAL	11
	3rd Year	
Math 370A	Applied Mathematics I	3
EE 380	Engineering Probability 7 Stat.	3
ENGR 202	Computer Methods in Engineering	3
	GE	**3**
	TOTAL	12
	4th Year	
PHYS 254	Applied Modern Physics	3
EE 347	Microprocessor Based System Des.	3
CE 370/ MAE 330	Anal. Mech./ Eng. Thermo. I	3
EE 370	Control Systems	3
	TOTAL	12
	5th Year	
EE 400D	EE Sem. & Project Design Lab	2
EE 386	Digital Signal Processing I	3
EE 370L	Control Systems Lab	1
EE 430	Analog Electronic Circuits I	3
EE 430L	Engineering Electronics II Lab	1
	TOTAL	10
	6th Year	
EE 462 OR 464	E&M Wireless/ E&M Optics	3
EE ---	*DSP A.E.*	*3*
*EE 489**	*Digital Signal Processing Design*	*3*
	G.E.	**3**
	TOTAL	12

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

A.E. Approved DSP 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 DSP Elective Sequence Advisor. 500 level elective courses require approval of both the Sequence Advisor and the Associate Dean of Instruction.

TOTAL DSP UNITS 134