B.S. in Electrical Engineering Curriculum (Total Credits : 130-133)

Name:					**CWID:**			
PIN:								
First Semester		Term Taken	Grade		**Second Semester**		Term Taken	Grade
ECE 100 Intro to the Profession I	3				MATH 152 Calculus II	5		
MATH 151 Calculus I	5				PHYS 123 Physics I: Mechanics	4		
CHEM 122 Chemistry I w/o Lab	3				CS 116 Object-Oriented Programming II	2		
CS 115 Object-Oriented Programming I	2				Social Sciences Elective	3		
Humanities 200, 202, 204, 206, 208	3				Science Elective [1]	3		
TOTAL	**16**				**TOTAL**	**17**		
Third Semester		Term Taken	Grade		**Fourth Semester**		Term Taken	Grade
MATH 252 Intro to Differential Equations	4				MATH 251 Multivariate & Vector Calc.	4		
PHYS 221 Physics II: Electr. & Magnet.	4				PHYS 224 Physics III for Engineers	3		
ECE 211 Circuit Analysis I	3				ECE 213 Circuit Analysis II	4		
ECE 218 Digital systems	4				ECE 242 Digital Compt. & Computing	3		
					Social Sciences Elective (300+)	3		
TOTAL	**15**				**TOTAL**	**17**		
Fifth Semester		Term Taken	Grade		**Sixth Semester**		Term Taken	Grade
MATH 333 Matx. Alge. & Vars.	3				ECE 308 Signals & Systems	3		
ECE 307 Electrodynamics	4				ECE 319 Fundamentals of Power Eng.	4		
ECE 311 Engineering Electronics	4				MATH 374 Probability/Stat. for ECE	3		
IPRO Elective I	3				Social Sciences Elective (300+)	3		
Humanities Elective (300+)	3				Free Elective	3		
TOTAL	**17**				**TOTAL**	**16**		
Seventh Semester		Term Taken	Grade		**Eighth Semester**		Term Taken	Grade
IPRO Elective II	3				Major Design Exp. (M) Elective Course[4]	4		
Professional ECE Elective [2]	4				Professional ECE Elective [2]	3-4		
Professional ECE Elective [2]	3-4				Professional ECE Elective [2]	3-4		
Technical Elective [3]	3				MMAE 200 or 320 Statics or Thermodyn.	3		
Humanities Elective (300+)	3				Humanities or Social Sciences Elective	3		
TOTAL	**16-17**				**TOTAL**	**16-18**		

[1] Science elective must be BIOL 105, BIOL 114, CHEM 126 or MS 201.

[2] Professional ECE electives may be chosen from any of the 400-level ECE courses identified with (P) in the course descriptions. Courses at the 500-level may be taken with the written consent of the instructor, faculty adviser, and the ECE department chair. At least two of the electives must contain laboratories. A maximum of three credit hours of Undergraduate Research (ECE 491) or Special Problems (ECE 497) may be used as professional ECE electives with adviser approval.

[3] Adviser-approved course from engineering, science, mathematics, or computer science that is more advanced than the academic level of the student.

[4] At least one of the elective courses must be identified as a Major Design Experience (M) course. Note: ECE 441 is an (M) course.