

**ELECTRICAL ENGINEERING CURRICULUM
2007-2008**

Freshman Year

1 GNEG 1111 Intro to Engineering I	1 GNEG 1121 Introduction to Engineering II
4 MATH 2554 Calculus I	4 MATH 2564 Calculus II
3 CHEM 1103 University Chemistry I	4 XXXX XXX4 Freshman Science Elective ¹
4 PHYS 2054 University Physics I	3 XXXX XXX3 University Core Elective ²
<u>3</u> ENGL 1013 Composition I	<u>3</u> ENGL 1023 Technical Composition II
15 semester hours	15 semester hours

Sophomore Year³

3 ELEG 2903 Digital Design I	3 CSCE 2003 Programming Foundations I
0 ELEG 2900L Digital Design I Lab	1 CSCE 2001L Programming Foundations I Lab
3 ELEG 2103 Electric Circuits I	3 ELEG 2113 Electric Circuits II
1 ELEG 2101L Electric Circuits I Lab	1 ELEG 2111L Electric Circuits II Lab
4 MATH 2574 Calculus III	3 ELEG 2913 Digital Design II
4 XXXX XXX4 Sophomore Science Elective ⁴	0 ELEG 2910L Digital Design II Lab
	4 MATH 3404 Differential Equations
	3 History Government Requirement
<u>15</u> semester hours	<u>18</u> semester hours

Junior Year⁵

3 ELEG 3123 Analog Signal Processing	3 ELEG 3133 Digital Signal Processing
1 ELEG 3121L Analog Signal Processing Lab	1 ELEG 3131L Digital Signal Processing Lab
3 ELEG 3213 Electronics I	3 ELEG 3223 Electronics II
1 ELEG 3211L Electronics I Lab	1 ELEG 3221L Electronics II Lab
3 ELEG 3923 Microprocessor System Design	3 ELEG 3303 Energy Conversion
0 ELEG 3920L Microprocessor Sys Design Lab	1 ELEG 3301L Energy Conversion Lab
3 CSCE 2013 Programming Foundations II	3 ELEG 3703 Electromagnetics
1 CSCE 2011L Prog. Found. II Lab	3 Humanities/Social Science elective
3 Math/Science Elective	0 ENGL 2003 Advanced Composition
<u>18</u> semester hours	<u>18</u> semester hours

Senior Year

1 ELEG 4061 EE Design I	1 ELEG 4071 EE Design II
3 ELEG 4143 Stochastic Signal Processing	6 Electrical Eng Technical Elective
3 Electrical Engineering Technical Elective	3 Technical Elective
3 Engineering Science Elective	3 Upper level humanities/social science elective
3 Technical Elective	3 Humanities/Social Science Elective
3 Upper-level Humanities-Social Science Elective	
<u>16</u> semester hours	<u>16</u> semester hours

TOTAL: 131 semester hours

¹Freshman Science Elective - CHEM 1123/1121L – University Chemistry II or PHYS 2074 – University Physics II

²Approved Humanities/Social Science course

³Students who have earned 45 hours must take the Rising Junior Exam

⁴PHYS 2074 if student took CHEM 1123/1121L in Freshman Year. Otherwise, CHEM1123/1121L or approved 4 hours in Science

⁵Students are required to take ENGL 2003 or gain exemption