

**ELECTRICAL ENGINEERING CURRICULUM  
2006-2007**

**Freshman Year**

3 GNEG 1003 Intro to Engineering 3 ENGL 1013 Composition I 4 MATH 2554 Calculus I 3 ELEG 1903 Digital Design I 0 ELEG 1900L Digital Design I Lab 3 History/Government Requirement	3 ENGL 1023 Technical Composition II 4 MATH 2564 Calculus II 3 ELEG 1913 Digital Design II 0 ELEG 1910L Digital Design II Lab 4 PHYS 2054 University Physics I 0 PHYS 2050L University Physics I Lab 3 Humanities/Social Science elective
16 semester hours	17 semester hours

**Sophomore Year<sup>1</sup>**

3 CSCE 1113 Programming Foundations I 1 CSCE 1111L Prog. Found. I Lab 3 ELEG 2103 Electric Circuits I 1 ELEG 2101L Electric Circuits I Lab 4 MATH 2574 Calculus III 4 PHYS 2074 University Physics II 0 PHYS 2070L University Physics II Lab	3 CENG 1123 Programming Foundations II 1 CENG 1121L Prog. Found. II Lab 4 Math/Science Elective 3 ELEG 2113 Electric Circuits II 1 ELEG 2111L Electric Circuits II Lab 4 MATH 3404 Differential Equations
16 semester hours	16 semester hours

**Junior Year<sup>2</sup>**

3 ELEG 3123 Analog Signal Processing 1 ELEG 3121L Analog Signal Processing Lab 3 ELEG 3213 Electronics I 1 ELEG 3211L Electronics I Lab 3 ELEG 3923 Microprocessor System Design 0 ELEG 3920L Microprocessor Sys Design Lab 3 Humanities/Social Science elective 3 Math/Science elective	3 ELEG 3133 Digital Signal Processing 1 ELEG 3131L Digital Signal Processing Lab 3 ELEG 3223 Electronics II 1 ELEG 3221L Electronics II Lab 3 ELEG 3303 Energy Conversion 1 ELEG 3301L Energy Conversion Lab 3 ELEG 3703 Electromagnetics
17 semester hours	15 semester hours

**Senior Year**

1 ELEG 4061 EE Design I 3 ELEG 3143 Stochastic Signal Processing 3 Electrical Engineering Technical Elective 3 Engineering Science Elective 3 Technical Elective 3 Upper-level Humanities-Social Science Elective	1 ELEG 4071 EE Design II 6 Electrical Eng Technical Elective 3 Technical Elective 3 Upper level humanities/social science elective 3 Humanities/social science Elective
16 semester hours	16 semester hours

**TOTAL: 129 semester hours**

<sup>1</sup>Students who have earned 45 hours must take the Rising Junior Exam

<sup>2</sup>Students are required to take ENGL 2003 or gain exemption