

ELECTRICAL ENGINEERING CURRICULUM 2002-2003

Freshman Year

| | |
|---|--|
| 1 ELEG 1001 Intro to Electrical Engineering 3 ENGL 1013 Composition 4 MATH 2554 Calculus I 3 PHYS 2054 University Physics I 1 PHYS 2050L University Physics Lab I 3 History/Government Requirement | 1 ELEG 1011 Engineering Success and Ethics 3 ENGL 1023 Technical Composition 4 MATH 2564 Calculus II 3 CHEM 1123 University Chemistry II 1 CHEM 1121L University Chemistry Lab II 3 PHYS 2074 University Physics II 1 PHYS 2070L University Physics Lab II |
| 15 semester hours | 16 semester hours |

Sophomore Year

| | |
|--|---|
| 3 CENG 1113 Intro to Computers 1 CENG 1111L Intro to Computers Lab 3 ELEG 2103 Electric Circuits I 1 ELEG 2101L Electric Circuits I Lab 3 ELEG 2903 Digital Design I 4 MATH 2574 Calculus III 3 Humanities-Social Science Elective | 3 CENG 1123 Intro Programming 1 CENG 1121L Intro Programming Lab 3 ELEG 2113 Electric Circuits II 1 ELEG 2111L Electric Circuits II Lab 3 ELEG 2913 Digital Design II 4 MATH 3404 Differential Equations |
| 18 semester hours | 15 semester hours |

Junior Year

| | |
|--|---|
| 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 3703 Electromagnetics 3 ELEG 3923 Microprocessor System Design 3 MEEG 2023 Introductory Mechanics 0 ENGL 2003 Advanced Composition | 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 3143 Stochastic Signal Processing 3 Humanities-Social Science Elective |
| 17 semester hours | 18 semester hours |

Senior Year

| | |
|--|---|
| 3 Electrical Engineering Technical Elective 3 Technical Elective 3 Math/Science Elective 3 Humanities-Social Science Elective 3 Upper-level Humanities-Social Science Elective | 2 ELEG 4062L Elect. Engr. Design Lab 6 Electrical Engineering Technical Elective 3 Technical Elective 3 Upper-level Humanities-Social Science Elective |
| 15 semester hours | 14 semester hours |

TOTAL: 128 semester hours