## Electrical Engineering / German Degree Guide

### Fall Semester Year 1
- GNEG 1111 Introduction to Engineering I
- MATH 2554 Calculus I
- CHEM 1103 University Chemistry I
- PHYS 2054 University Physics I
- ENGL 1013 Composition I
- **15 Semester Hours**

### Summer School Session I
- GERM 2003 Intermediate German I*
- MATH 2584 Differential Equations
- **7 Semester Hours**

### Fall Semester Year 2
- ELEG 2104 Electric Circuits I (with Lab)
- ELEG 2904 Digital Design (with lab)
- Sophomore Science Elective**
- GERM 3003 Advanced German I
- **15 Semester Hours**

### Spring Semester Year 1
- GNEG 1121 Introduction to Engineering II
- MATH 2564 Calculus II
- HIST 2003, HIST 2013, or PLSC 2003
- PHYS 2074 University Physics II
- ENGL 1023 Composition II
- **15 Semester Hours**

### Summer School Session II
- GERM 2013 Intermediate German II
- **3 Semester Hours**

### Fall Semester Year 3
- ELEG 3124 Systems & Signals (with Lab)
- ELEG 3214 Electronics I (with Lab)
- ELEG 3704 Applied Electromagnetics +L
- ELEG 3924 Micro. Systems Design+L
- GERM 3013 Introduction to Literature
- **19 Semester Hours**

### Spring Semester Year 2
- CSCE 2004 Programming Foundations I
- ELEG 2114 Electric Circuits II (with Lab)
- MATH 2574 Calculus III
- GERM 4003 Advanced German II
- **15 Semester Hours**

### Fall Semester Year 4 ABROAD
- ELEG 4063 ELEG Design I
- ELEG Technical Elective
- ELEG Technical Elective
- ECON 2013, ECON 2023, or ECON 2143
- Math/Science/Technical Elective
- GEOS 2003 World Regional Geography
- **18 Semester Hours**

### Spring Semester Year 3
- ELEG 3224 Electronics II (with Lab)
- HIST 1113 World Civilizations I
- ELEG 3143 Probability & Stochastic Processes
- ELEG 3304 Energy Systems
- GERM 3033 Conversation
- **17 Semester Hours**

### YEAR 4 ABROAD
- Study Abroad Semester
  - GERM 3000+ Language/Humanities Course
  - GERM 4213 German Civilization
  - Fine Arts Elective
  - ENGR Science/Technical Elective ***
- **12 Semester Hours**

### International Internship Abroad
- Internship in German-Speaking Country
  - GERM 3000+ Elective
- **3 Semester Hours**

### Fall Semester Year 5
- ELEG 4071 Design II
- ELEG Technical Elective
- ELEG Technical Elective
- ECON 2013, ECON 2023, or ECON 2143
- Math/Science/Technical Elective
- **16 Semester Hours**

### Spring Semester Year 5
- ELEG 4071 Design II
- ELEG Technical Elective
- ELEG Technical Elective
- Technical Elective
- GERM 3000+ Elective
- HIST 1123 World Civilizations II
- PHIL 2003 or WLIT 1113
- **16 Semester Hours**

### 155 Total Hours

* This is based on the assumption that the student already has credit for GERM 1003 and 1013. Otherwise the student will need to take those classes as well, adding 6 extra hours to their studies.

** Sophomore Science Elective - CHEM 1133/1121L Chemistry for Engineers II, BIOL 1543/1541L Principles of Biology, or BIOL 2213/2211L Human Physiology, or PHYS 2094 University Physics 3

*** Must be taken in German