## Computer Engineering / German Degree Guide

### Fall Semester Year 1
1. GNEG 1111 Introduction to Engineering I
4. MATH 2554 Calculus I
4. PHYS 2054 University Physics I
3. CHEM 1103 University Chem. I
3. ENGL 1013 Composition I

15 Semester Hours

### Summer School Session I
- 3 GERM 2003 Intermediate German I*
- 3 COMM 1313 Public Speaking

6 Semester Hours

### Fall Semester Year 2
4. CSCE 2004 Programming Foundations I
4. CSCE 2114 Digital Design
4. MATH 2574 Calculus III
3. GERM 3003 Advanced German I

15 Semester Hours

### Fall Semester Year 3
3. CSCE 3193 Programming Paradigms
3. CSCE 3953 System Synth & Modeling
4. Basic Science Elective w/ Lab
3. PHIL 3103 Ethics and Profession
3. GERM 3013 Introduction to Literature

16 Semester Hours

### Year 4 Abroad

#### Study Abroad Semester
- 3 GERM 3000+ Language/Humanities Course
- 3 GERM 4213 German Civilization
- 3 Fine Arts Elective
- 3 CSCE Elective **

12 Semester Hours

### Fall Semester Year 5
1. CSCE 4561 Capstone I
4. CSCE 4114 Embedded Systems
3. CSCE Elective
3. MATH 2603 Discrete Math
3. GEOS 2003 World Regional Geography

14 Semester Hours

### Spring Semester Year 1
1. GNEG 1121 Introduction to Engineer
4. MATH 2564 Calculus II
3. HIST 2003, HIST2013, or PLSC 2003
3. ENGL 1023 Composition II
4. PHYS 2074 University Physics II

15 Semester Hours

### Summer School Session II
- 3 GERM 2013 Intermediate German
- 3 HIST 1113 World Civilizations I

6 Semester Hours

### Fall Semester Year 2
4. CSCE 2014 Programming Foundation
4. CSCE 2214 Computer Organization
4. MATH 2584 Differential Equations
3. GERM 4003 Advanced German II

15 Semester Hours

### Spring Semester Year 3
3. CSCE 3513 Software Engineering
3. CSCE 3613 Operating Systems
3. ELEG 3933 Circuits & Electronics
3. STAT 3013 or INEG 2313
3. GERM 3033 Conversation

15 Semester Hours

### International Internship Abroad

#### Internship in German-Speaking Country
- 3 GERM 3000+ Elective

3 Semester Hours

### Fall Semester Year 5
3. CSCE 4963 Capstone II
3. CSCE 4213 Computer Architecture
6. CSCE Elective
3. HIST 1123 World Civilizations II

15 Semester Hours

**Total Hours:** 147

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* 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.

** Must be taken in German