# B.S. in Electrical Engineering and B.A. in German- Plan of Study

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer/J-Term</th>
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<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td>ENGR 150 Intro to Engineering I</td>
<td>MATH 113 Calculus I</td>
<td>MATH 114 Calculus II</td>
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<td></td>
<td>ENGL 121 Critical Thinking: Literature and Writing</td>
<td>PHYS 211 Intro to Classical Physics I</td>
<td>HIST 1XX</td>
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<td></td>
<td>CISC130 Intro to Programming and Problem Solving in Science</td>
<td>ENGR 230 Digital Design</td>
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<td>GERM 111*</td>
<td>GERM 112*</td>
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<td><strong>Year 2</strong></td>
<td>PHIL 115 Philosophy of the Human Person</td>
<td>ENGR 240 Circuit Analysis</td>
<td>PHIL 214 Intro to Ethics</td>
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<td></td>
<td>MATH 200 Multi-Variable Calculus</td>
<td>MATH 210 Linear Algebra &amp; Differential Equations</td>
<td>ENGL 20X</td>
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<td>GERM 211*</td>
<td>GERM 212</td>
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<td></td>
<td>PHYS 212 Introduction to Classical Physics II</td>
<td>PHYS 225*** – Modern Physics I</td>
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<td><strong>Year 3</strong></td>
<td>GERM 300</td>
<td>GERM 3xx or 4xx</td>
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<td></td>
<td>ENGR XXX Elective ****</td>
<td>ENGR 331 Applications of Microprocessors</td>
<td>Social Sciences Elective**</td>
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<td>ENGR 340*** Signals and Systems</td>
<td>ENGR 410 Control Systems</td>
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<td>ENGR 345*** Electronics 1</td>
<td>ENGR 346*** Electronics 2</td>
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<tr>
<td><strong>Year 4</strong></td>
<td>GERM 3xx or 4xx</td>
<td>Internship (ENGR XXX Engineering Elective)</td>
<td>Year 4 in Germany</td>
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<td></td>
<td>GERM 3xx or 4xx</td>
<td>GERM 3xx or 4xx (Experiential Learning)</td>
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<td>Fine Arts Elective**</td>
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<td>HIST European History****</td>
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<td><strong>Year 5</strong></td>
<td>GERM 3xx or 4xx</td>
<td>GERM 3xx or 4xx</td>
<td>THEO 4XX</td>
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<td>ENGR 480 Engineering Design Clinic</td>
<td>ENGR 481 Engineering Design Clinic II</td>
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<td>ENGR XXX Elective ****</td>
<td>ENGR XXX**** Elective</td>
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<td>PHYS 341*** Electricity and Magnetism</td>
<td>ENGR 342*** Electromagnetic Fields and Waves</td>
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*May place out of one or more semesters if proficient

**May satisfy human diversity requirement

*** Courses only offered in the semester indicated

****Allied with German- may be satisfied by another course; program director approval necessary

Denotes that the two courses can be interchange
B.S. in Electrical Engineering and B.A. in German- Plan of Study

**Engineering Courses:**
- ENGR 150 – Introduction to Engineering (1 credit)
- ENGR 230 – Digital Design (4 credits)
- ENGR 240 – Circuit Analysis (4 credits)
- ENGR 331 – Applications of Microprocessors (4 credits)
- ENGR 340 – Signals and Systems (4 credits)
- ENGR 345 – Electronics I (4 credits)
- ENGR 346 – Electronics II (4 credits)
- ENGR 342 – Electromagnetic Fields and Waves (4 credits)
- ENGR 410 – Control Systems and Automation (4 credits)
- ENGR 480 – Engineering Design Clinic I (4 credits)
- ENGR 481 – Engineering Design Clinic II (4 credits)

Four courses of Engineering Electives

57 Engineering Credits

**Allied Requirements:**

- MATH 113 – Calculus I (4 credits)
- MATH 114 – Calculus II (4 credits)
- MATH 200 – Multi-Variable Calculus (4 credits)
- MATH 210 – Introduction to Differential Equations & Systems (4 credits)
- PHYS 211 – Classical Physics I (4 credits)
- PHYS 212 – Classical Physics II (4 credits)
- PHYS 225 – Modern Physics (4 credits)
- CISC 130 – Introduction to Programming and Problem Solving in the Sciences (4 credits)

36 allied requirement credits

**German Courses:**

- GERM 111 – Beginning German 1 (WTL) (4 credits)
- GERM 112 – Beginning German 2 (WTL) (4 credits)
- GERM 211 – Intermediate German 1 (WTL) (4 credits)
- GERM 212 – Intermediate German 2 (WTL) (4 credits)
- GERM 300 – Introduction to German Studies (WID) (4 credits)
- GERM 311 – Conversation and Composition (may be WI) (4 credits)
- GERM 315 – Influential Ideas in Non-Fictional German (4 credits)
- GERM 320 – Contemporary Germany and Current Events (4 credits)
- GERM 341 – Highlights of German Literature I (may be WI) (4 credits)
- GERM 342 – Highlights of German Literature II (may be WI) (4 credits)
- GERM 345 – Austria: The Golden Age (4 credits)
- GERM 350 – Genre Studies in German Literature (may be taken multiple times) (4 credits)
- GERM 401 – German Poetry (4 credits)
- GERM 410 – German Opera (4 credits)
- GERM 440 – Introduction to Business German and German Business (4 credits)
- GERM 475, 476 – Experiential Learning (2 credits)
- GERM 477, 478 – Experiential Learning (4 credits)
- GERM 483, 484 – Seminar (2 credits)
- GERM 485, 486 – Seminar (4 credits)
- GERM 487, 488 – Topics (2 credits)

GERM 489, 490 – Topics (4 credits)
GERM 269, 389, 491 – Research (2 or 4 credits)
GERM 243, 393, 495 – Individual Study (2 or 4 credits)
32 GERMAN credits

**Allied Requirements for German:**

- HIST – European History

4 allied requirements credits

**Core Curriculum**

- Two courses in English (8 credits)
- Three courses in Theology** (12 credits)
- Two courses in Philosophy (8 credits)
- One Fine Arts course** (4 credits)
- Social Science Course (4 credits)
**One of these courses must satisfy the human diversity requirement
36 core curriculum credits

Total Credit Count: 165 credits

BSEE & BA German
Rev: 2018