### General Education + Elective Requirements

**General Education Requirements**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Cr.</th>
<th>Sem.</th>
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<th>Grade</th>
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<tr>
<td>HUM 101</td>
<td>Civilization (IL)</td>
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<td>International Perspective</td>
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*The year-long sequence of Reli 211 and 212 may substitute for this course.

**STUDIES IN SCIENCE, FAITH & TECHNOLOGY (SSFT)**

- **3 HOURS**
  - Choose one course from the following:
  - SSFT 208 Science, Technology & Society
  - SSFT 210 Science & Religion
  - SSFT 212 Science, Faith, Technology & Origins

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**Foundations of the Social Sciences**

- **3 HOURS**
  - Choose one social science course from the following:
  - ECON 120 Foundations of Economics
  - HIST 120 Foundations of History
  - HIST 204 Hist/Phil Foundations of Education
  - POLS 101 Foundations of Political Science
  - PSYC 101 Foundations of Psychology
  - PSYC 200 Cross-Cultural Psychology
  - SOCI 101 Foundations of Sociology
  - SOCI 103 Foundations of Cultural Anthropology

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**Quantitative/Logical Reasoning**

- **0 HOURS**
  - College requirements met through major-related coursework.

**Natural Sciences (with labs)**

- **0 HOURS**
  - College requirements met through major-related coursework.

**Physical Education**

- **2 HOURS**
  - PHYE 101 (men) / 111 (women)
  - PHYE 102 (men) / 112 (women)

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**General Electives**

- **4 HOURS**

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**Major-Related Requirements**

- **33 HOURS**
  - **MATH/SCIENCE Core**
    - 30 HOURS
      - CHEM 105 Chemistry for Engineers
      - ENGR 274 Math Methods in Engineering (or MATH 210, 213, and 222)
      - MATH 161 Calculus I
      - MATH 162 Calculus II
      - MATH 261 Calculus III
      - MATH 262 Differential Equations
      - PHYS 101 General Physics I
      - PHYS 102 General Physics II

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### Electrical Engineering Concentration (EEEE)

**Electrical/Computer Engineering Core**

- **28 HOURS**
  - COMP 141 Computer Programming I
  - ELEE 201 Linear Circuits I
  - ELEE 204 Digital Logic Design
  - ELEE 251 Linear Circuits Lab (IL)
  - ELEE 252 Digital Circuits Lab (IL)
  - ELEE 301 Electronics I
  - ELEE 302 Electronics II
  - ELEE 303 Electrical Machines
  - ELEE 304 Electromagnetic Theory
  - ELEE 351 Intermediate Lab I (IL)
  - ELEE 401 Electrical Engr. Design (WI) (SI)
  - ELEE 451 Elect/Comp Design Lab I (IL)
  - ELEE 452 Elect/Comp Design Lab II (IL)

<table>
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**Electrical Engineering Concentration (EEEE)**

- **37 HOURS**
  - **Core Requirements**
    - **13 HOURS**
      - ELEE 202 Linear Circuits II (IL)
      - ELEE 302 Electronics II
      - ELEE 303 Electrical Machines
      - ELEE 304 Electromagnetic Theory
      - ELEE 352 Intermediate Lab II
  - **Elective Requirements:**
    - **3 HOURS**
      - Math/Science Elective
  - **Select two of the following intermediate electives or select one course from the following intermediate electives and one additional course from the math / science electives:**
    - **6 HOURS**
      - COMP 220, 222, 342, 450; ELEE 306, 310, 360, 370, 390; ENGR 390
  - **Select 9 hours from the following advanced electives:**
    - **9 HOURS**
      - ELEE 390, 404, 421, 431, 441, 460, 470; ENGR 390 (No course can count for both intermediate and advanced elective credit)
  - **Select two of the following advanced electives:**
    - **6 HOURS**
      - ELEE 422, ELEE 432, ELEE 442

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Cr.</th>
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**Major-Related Requirements, Cont.**

- **3 HOURS**
  - ENGR 156 Intro to Engineering
  - ENGR 402 Business for Tech Professionals
FOUR-YEAR PLAN FOR ELECTRICAL ENGINEERING MAJORS
ELECTRICAL ENGINEERING CONCENTRATION (EEEE)

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Students are expected to use this status sheet in conjunction with the College Bulletin, and to contact their advisors for a detailed schedule of courses recommended to meet requirements for a major.

TOTAL CREDIT HOURS REQUIRED = 128