## ELECTRICAL ENGINEERING (8 SEMESTER PLAN)

### Suggested Four Year Plan

<table>
<thead>
<tr>
<th>1st Year</th>
<th>Session</th>
<th>Course</th>
<th>Course Title</th>
<th>SH</th>
<th>GRID</th>
<th>Pre-Requirement or Co-Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL</td>
<td>1st</td>
<td>ENGL 1305</td>
<td>Composition 1 (Core Curriculum)</td>
<td>3</td>
<td>S</td>
<td>GL Eligible</td>
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<td>ALL</td>
<td>1st</td>
<td>ENGL 1305</td>
<td>US History to 1865 (Core Curriculum)</td>
<td>3</td>
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<tr>
<td>F</td>
<td>1st</td>
<td>UCCP 1101</td>
<td>First Year Seminar</td>
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<tr>
<td>ALL</td>
<td>2nd</td>
<td>MATH 2413</td>
<td>Calculus I</td>
<td>4</td>
<td>S/F</td>
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<tr>
<td>ALL</td>
<td>2nd</td>
<td>CHEM 1411</td>
<td>General Chemistry I</td>
<td>4</td>
<td>MATH 1314 College Algebra or beyond</td>
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<tr>
<td>F/S</td>
<td>2nd</td>
<td>ENGR 1211</td>
<td>Foundations of Engineering I</td>
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**TOTAL HRS:** 17

<table>
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<tr>
<th>2nd Year</th>
<th>Session</th>
<th>Course</th>
<th>Course Title</th>
<th>SH</th>
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<th>Pre-Requirement or Co-Requirement</th>
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<tr>
<td>ALL</td>
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<td>ENGL 1302</td>
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<td>ENGL 1302</td>
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<td>UCCP 1102</td>
<td>First Year Seminar</td>
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<td>MATH 2414</td>
<td>Calculus II</td>
<td>4</td>
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<td>F/S</td>
<td>2nd</td>
<td>MATH 2305</td>
<td>Discrete Math I</td>
<td>3</td>
<td>Math 1316 Trigonometry or Math 2312 Precalculus</td>
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<td>F/S</td>
<td>2nd</td>
<td>PHYS 2425</td>
<td>University Physics I</td>
<td>4</td>
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**TOTAL HRS:** 18

### TECH ELECTIVES

<table>
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<tr>
<th>3rd Year</th>
<th>Session</th>
<th>Course</th>
<th>Course Title</th>
<th>SH</th>
<th>GRID</th>
<th>Pre-Requirement or Co-Requirement</th>
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<tbody>
<tr>
<td>F</td>
<td>3rd</td>
<td>EEEN 3315</td>
<td>Electrical Circuits II</td>
<td>4</td>
<td>Eng 2460 Circuit Analysis I</td>
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<tr>
<td>F/S</td>
<td>3rd</td>
<td>MATH 3311</td>
<td>Linear Algebra</td>
<td>3</td>
<td>Math 2413 Calculus I</td>
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<tr>
<td>F</td>
<td>3rd</td>
<td>EEEE 3418</td>
<td>Microprocessor</td>
<td>4</td>
<td>Eng 2460 Circuit Analysis I</td>
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<tr>
<td>ALL</td>
<td>3rd</td>
<td>MATH 3342</td>
<td>Applied Probability and Statistics</td>
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<td>Math 2413 Calculus I</td>
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<td>ALL</td>
<td>3rd</td>
<td>ENGR 2305</td>
<td>U.S. Government and Politics</td>
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**TOTAL HRS:** 17

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<tr>
<th>4th Year</th>
<th>Session</th>
<th>Course</th>
<th>Course Title</th>
<th>SH</th>
<th>GRID</th>
<th>Pre-Requirement or Co-Requirement</th>
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<td>ENGR 4240</td>
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<td>Permission of Engineering Dept.</td>
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<td>F</td>
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<td>EEEN 4310</td>
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<td>Eeen 3330 Control Systems I</td>
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<td>Varies</td>
<td>Varies</td>
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</table>

**TOTAL HRS:** 15

### FOREIGN LANGUAGE

**TOTAL HOURS FOR DEGREE PLAN:** 126

**TOTAL UPPER DIVISION HOURS:** 49*

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*Upper division credit

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**General Electives:** (none required)

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**Suggested Four Year Plan**

- **1st Year:**
  - **Session 1:**
    - Course: ENGL 1305, Composition 1 (Core Curriculum)
    - SH: 3
    - GRID: S
    - Pre-requirement: GL Eligible
  - **Session 2:**
    - Course: ENGL 1305, US History to 1865 (Core Curriculum)
    - SH: 3
    - GRID: S
  - **Session 3:**
    - Course: UCCP 1101, First Year Seminar
    - SH: 1
    - GRID: F/S
  - **Session 4:**
    - Course: MATH 2413, Calculus I
    - SH: 4
    - GRID: S/F
    - Pre-requirement: MATH 1314 College Algebra or beyond
  - **Session 5:**
    - Course: CHEM 1411, General Chemistry I
    - SH: 4
    - GRID: MATH 1314 College Algebra or beyond
  - **Session 6:**
    - Course: ENGR 1211, Foundations of Engineering I
    - SH: 2
    - GRID: S

- **2nd Year:**
  - **Session 1:**
    - Course: ENGL 1302, Composition II (Core Curriculum)
    - SH: 3
    - GRID: Eng 1301
  - **Session 2:**
    - Course: ENGL 1302, US History since 1865 (Core Curriculum)
    - SH: 3
    - GRID: S
  - **Session 3:**
    - Course: UCCP 1102, First Year Seminar
    - SH: 1
    - GRID: F/S
  - **Session 4:**
    - Course: MATH 2414, Calculus II
    - SH: 4
    - GRID: MATH 2413 Calculus I
  - **Session 5:**
    - Course: MATH 2305, Discrete Math I
    - SH: 3
    - GRID: Math 1316 Trigonometry or Math 2312 Precalculus
  - **Session 6:**
    - Course: PHYS 2425, University Physics I
    - SH: 4
    - GRID: MATH 2413 Calculus I

- **3rd Year:**
  - **Session 1:**
    - Course: EEEN 3315, Electrical Circuits II
    - SH: 4
    - GRID: Eng 2460 Circuit Analysis I
  - **Session 2:**
    - Course: MATH 3311, Linear Algebra
    - SH: 3
    - GRID: Math 2413 Calculus I
  - **Session 3:**
    - Course: EEEE 3418, Microprocessor
    - SH: 4
    - GRID: Eng 2460 Circuit Analysis I

- **4th Year:**
  - **Session 1:**
    - Course: EEEN 4420, Engineering Measurements
    - SH: 4
  - **Session 2:**
    - Course: ENGR 4240, Project Management
    - SH: 2
    - GRID: Permission of Engineering Dept.
  - **Session 3:**
    - Course: EEEN 4310, Signal Processing
    - SH: 3
    - GRID: Eeen 3330 Control Systems I

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**Choose Two from the List Below:**

- MATH 3342*
- MATH 3470*
- ENGR 2316
- MEEN 4325
- ENGR 4235
- MEEN 4335
- ENGR 2360
- MEEN 4395
- ENGR 2316

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**Technology Electives:**

- MATH 3342
- MATH 3470

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**General Electives:**

- (none required)