**GENERAL EDUCATION REQUIREMENTS:** 38 Hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
<th>To be selected from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English Composition &amp; Oral Communication</td>
<td>6</td>
<td>ENGL 1113 or 1313, 1213 or 1413, 3323. (Total hours for degree is based on substitution of 3323 for 1213 as per Academic Regulation 3.5)</td>
</tr>
<tr>
<td>American History &amp; Government</td>
<td>6</td>
<td>HIST 1103; POLS 1113</td>
</tr>
<tr>
<td>Analytical &amp; Quantitative Thought (A)</td>
<td>13</td>
<td>MATH 2144, 2153, 2163, 2233</td>
</tr>
<tr>
<td>Humanities (H)</td>
<td>6</td>
<td>Courses designated (H) at OSU.</td>
</tr>
<tr>
<td>Natural Sciences (N)</td>
<td>4</td>
<td>CHEM 1414 or 1515</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences (S)</td>
<td>3</td>
<td>Any course designated (S) at OSU. Consult the college &amp; departmental requirements.</td>
</tr>
<tr>
<td>Diversity (D)</td>
<td>--</td>
<td>Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.</td>
</tr>
<tr>
<td>International Dimension (I)</td>
<td>--</td>
<td>Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.</td>
</tr>
<tr>
<td>Scientific Investigation (L)</td>
<td>--</td>
<td>Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.</td>
</tr>
</tbody>
</table>

**MINOR/DEPARTMENTAL REQUIREMENTS: 20 Hours**

- Computer Science
  - CS 1113, 2113, 2351
- Electrical and Computer Engineering
  - ECEN 2011, 2113, 2143, 2213
- Computer Engineering
  - ENSC 2613, 3213
- Engineering
  - ENGR 1111, 1342
- Engineering Science
  - ENSC 2613, 3213
- Computer Science
  - CS 1113, 2113, 2351

**TOTAL REQUIRED HOURS: 126**

**MAJOR REQUIREMENTS:** 64 Hours

**COMMON PROFESSIONAL SCHOOL: 9 Hours**

- Mathematics: 3 hours, MATH 3013
- Basic Science: 3 hours, PHYS 3313
- Social & Behavioral Sciences (S): 3 hours, Any course designated (S) at OSU. Consult the college & departmental requirements.

**SPECIFIC PROFESSIONAL SCHOOL REQUIREMENTS:** 52 Hours

Admitted to the Professional School of Electrical and Computer Engineering. (See Professional School admission requirements in the Catalog.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECEN</td>
<td>2011, 3613, 4213, 3233, 3714, 4243, 3314, 4013, 4303, 3513, 4024, 4503</td>
</tr>
<tr>
<td>CS</td>
<td>3653, 4323, 4343</td>
</tr>
<tr>
<td>IEM</td>
<td>3503</td>
</tr>
</tbody>
</table>

3 hours selected from combinations on the departmentally approved list and approved by advisor.

**CONTROLLED ELECTIVES: 3 Hours**

Select from:

- ENSC
  - 2113, 2123, 2143, 2213
- Or Engineering courses 3000-level and above;
- Other courses such as MATH, CS, STAT, etc., May be approved by adviser.

Other Requirements:

- Admission to professional school is required. Please refer to the OSU Catalog corresponding to your matriculation date for detailed admission requirements.
- A student must complete course work at OSU satisfying academic regulation 7.2.
- A student must complete at least 60 credit hours at a senior college.
- A minimum GPA of 2.00 is required in all courses applied to Major Requirements.
- A minimum GPA of 2.20 is required in all courses applied to Specific Professional School Requirements.
- The major engineering design experience is satisfied by ECEN 4013 and 4024.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

Signature on file in the Office of the Registrar

DEAN

DEPARTMENT HEAD