B.S. Computer Science and Engineering 2016-2017 Academic Year

Student Information
Name: ___________________________ OSU ID: ___________________________ OSU Admit Term: _________
Phone: ___________________________ Email (name.number@osu.edu): ___________________________

Suggested Curriculum
This should be used as a guide only. Semester offerings are subject to change.
This guide is intended for students without programming experience. Students with programming experience
have the option to take the placement test for CSE 2221 and are not required to take CSE 1222/1223.

<table>
<thead>
<tr>
<th>Year</th>
<th>Autumn</th>
<th>Spring</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
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<tr>
<td></td>
<td>PHYSICS 1250 (Mechanics, Thermal, Waves) 5 hr</td>
<td>MATH 1172 (Engineering Math A) 5 hr</td>
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<td></td>
<td>MATH 1151 (Calculus I) 5 hr</td>
<td>ENGR 1182 (Fundamentals of ENGR 2) 2 hr</td>
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<tr>
<td></td>
<td>ENGR 1181 (Fundamentals of ENGR 1) 2 hr</td>
<td>CSE 2221 (Software 1) 4 hr</td>
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<tr>
<td></td>
<td>ENGR 1100 (Engineering Survey) 1 hr</td>
<td>English 1110.xx (First Writing GE) 3 hr</td>
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<td></td>
<td>CSE 1222/1223 3 hr</td>
<td>General Education 3 hr</td>
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<tr>
<td>2</td>
<td>CSE 2231 (Software 2) 4 hr</td>
<td>CSE 2331 (Foundations 2) 3 hr</td>
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<tr>
<td></td>
<td>CSE 2321 (Foundations 1) 3 hr</td>
<td>CSE 2421 (Systems 1) 4 hr</td>
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<td></td>
<td>STAT 3470 (Probability &amp; Stats) 3 hr</td>
<td>ECE 2060 (Elec &amp; Comp Eng 1) 3 hr</td>
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<td></td>
<td>Math or Science Elective 5 hr</td>
<td>MATH 3345 (Foundations of Higher Math) 3 hr</td>
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<td></td>
<td>General Education 3 hr</td>
<td>General Education 3 hr</td>
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<tr>
<td>3</td>
<td>CSE 2431 (Systems 2) 3 hr</td>
<td>CSE 3231/3241 (Software Eng/DB) 3 hr</td>
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<td></td>
<td>CSE 390x (Project) 4 hr</td>
<td>CSE 3421/3461 (Arch/Net) 3 hr</td>
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<tr>
<td></td>
<td>ECE 2020 (Elec &amp; Comp Eng 2) 3 hr</td>
<td>CSE 3521/3541 (Art Inc/Graphics) 3 hr</td>
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<tr>
<td></td>
<td>Math or Science Elective 3 hr</td>
<td>CSE 2501 (Prof &amp; Ethics) 1 hr</td>
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<td></td>
<td>General Education 3 hr</td>
<td>MATH 2568 (Linear Algebra) 3 hr</td>
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<td></td>
<td>General Education 3 hr</td>
<td>General Education 3 hr</td>
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<tr>
<td>4</td>
<td>CSE 3321/3341 (Theory/Prog Lang) 3 hr</td>
<td>CSE 591x (Capstone Design) 4 hr</td>
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<tr>
<td></td>
<td>CSE (Technical Elective) 3 hr</td>
<td>CSE (Technical Elective) 3 hr</td>
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<td>CSE (Technical Elective) 3 hr</td>
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<tr>
<td></td>
<td>General Education 3 hr</td>
<td>General Education 3 hr</td>
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</table>

Total Hours to complete the degree program = 126

Program Options
CSE students wishing to explore options for technical electives or specific program information should contact an
academic advisor in the CSE Advising Office (374 Dreese Labs).

Acceptance Criteria
Acceptance into this program is competitive and based on the OSU cumulative point hour ratio upon completion of
Engineering 1100.xx; Engineering 1181, 1182, Physics 1250, CSE 2221; Math 1151; English 1110.xx; and fifteen (15) or
more enrolled credit hours completed at Ohio State.

Applications are accepted every academic term (Autumn, Spring, Summer).
Technical and Other Electives
Please see an academic advisor in the CSE Advising Office (374 Dreese Labs) for additional information about technical and other elective course options.

### General Education Requirement

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Writing and Communication</strong></td>
<td></td>
<td>3 hr</td>
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<tr>
<td>English 1110.xx</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Writing Course</td>
<td></td>
<td>3 hr</td>
</tr>
<tr>
<td><strong>Social Science</strong></td>
<td><em>Only one course per Social Science group may count.</em></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>3 hr</td>
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<tr>
<td></td>
<td></td>
<td>3 hr</td>
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<tr>
<td><strong>Literature</strong></td>
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<td>3 hr</td>
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<tr>
<td><strong>Visual and Performing Arts</strong></td>
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<td>3 hr</td>
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<tr>
<td><strong>Historical Study</strong></td>
<td></td>
<td>3 hr</td>
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<tr>
<td><strong>Second Historical Study or Cultures and Ideas</strong></td>
<td></td>
<td>3 hr</td>
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<tr>
<td><strong>Social Diversity in the U.S. or Global Diversity</strong></td>
<td><em>Some courses may overlap with another GE category. See course list.</em></td>
<td>0 / 3 hr</td>
</tr>
<tr>
<td><strong>Ethics</strong></td>
<td><em>Some courses may overlap with another GE category. See course list.</em></td>
<td>0 / 3 hr</td>
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</table>

### Foreign Language

**Pre-approved substitutions**

A. Credit (including EM) for a foreign language sequence through 1103, or credit for a foreign language course with a prerequisite of 1103, can be substituted for one Gen Ed course requirement as a Cultures & Ideas.

B. Completion of a foreign language minor can be substituted for two Gen Ed courses: one course as a Social Science, (Individuals & Groups or Organizations & Polities subgroups only) and one course as either a Literature or a Cultures & Ideas.

Parameters: Students must choose either Substitution A OR Substitution B. Both substitutions cannot be applied simultaneously.

### University Capstone (Cross-Disciplinary Seminar)

**Pre-approved substitutions**

Completion of a Social Science 3597 or 4597 can be substituted for a Social Science general education course in any group. Completion of an Arts & Humanities 3597 or 4597 can be substituted for a Visual/Performing Arts general education course.

See the list of approved general education courses for additional details: [www.advising.engineering.osu.edu](http://www.advising.engineering.osu.edu).