Roadmap to the Four-Year BSEE Program (effective Fall ’15)

Freshman Year
Fall (16)
EE 110 (1)
Intro. to Engineering Lab
CS 115 (4)
Program. I

Spring (16)
PHYS 116 (1)
Physics I Lab
MATH 161 (4)
Calculus I

Sophomore Year
Fall (16)
EE 220 and 221 (4)
Elect. Circuits w/ lab
PHYS 214 (4)
Intro. Physics I

Spring (16)
EE 230 and 231 (4)
Electronics I w/lab
PHYS 214 (4)
Intro. Physics II

Junior Year
Fall (16)
EE 320 (2)
Electronics II

Spring (14)
EE 330 (2)
Electromag. Theory & Applic

EE 310 (4)
Linear Systems Theory

Senior Year
Fall (14)
EE 430 (3)
Intro. Optical Fiber Commun.

Spring (12)
EE 443 (3)
Approved Technical Elective I (3)

EE 442 and 442L (4)
Analog & Digital Commun. w/ lab
EE 465 and 465L (3)
Intro. Networking w/lab

EE 493 (3)
Senior Design Project

* Indicates prerequisite for this course is senior standing in major (completion of all 300-level courses)
** With permission only
Arrow: Indicates prerequisite Arrow with C: Indicates Co-requisite
Numbers in parentheses indicate semester units
Students must complete each EE course with a grade of C (2.0) or higher and each supporting course with a grade of C- (1.7) or higher in order to pass. Otherwise, the course has to be re-taken.

2/22/2019
Recommended GE Curriculum for the BSEE Majors
Effective Fall 2015

<table>
<thead>
<tr>
<th>Area</th>
<th>Subjects</th>
<th>Suggested GE Courses</th>
<th>Actual units</th>
<th>GE Units</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Courses</td>
<td>Actual units</td>
<td>GE Units</td>
<td></td>
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<tr>
<td>A. Communication and Critical Thinking (8)</td>
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<tr>
<td>A.2. Fund. of Communication</td>
<td>ENGL 101</td>
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<td>A.3. Critical Thinking</td>
<td>ES 210</td>
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<td>B. Natural Sciences and Mathematics (12)</td>
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<tr>
<td>B.1. Physical Sciences</td>
<td>PHYS 114 and PHYS 116</td>
<td>4+1</td>
<td>5</td>
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<tr>
<td>B.2. Biological Sciences</td>
<td>ANTH 201 or BIOL 115</td>
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<tr>
<td>B.4. Mathematical Concepts &amp; Quantitative Reasoning</td>
<td>MATH 161</td>
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<td>C. The Arts and Humanities (12)</td>
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<tr>
<td>C.1. Fine Arts, Theatre, Dance and Music and Film</td>
<td>Select from the GE C.1 list in the SSU Catalog</td>
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<tr>
<td>C.2. Literature, Philosophies, Values</td>
<td>Select from the GE C.2 list in the SSU Catalog</td>
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<td>C.3. Comparative Perspectives And /Or Foreign</td>
<td>Select from the GE C.3 list in the SSU Catalog</td>
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<td>D. Social Sciences (15)</td>
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<tr>
<td>D.1. Individual and Society</td>
<td>Select from the GE D.1 list in the SSU Catalog</td>
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<tr>
<td>D.2. World History and Civilization</td>
<td>Select from the GE D.2 list in the SSU Catalog</td>
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<td>D.3. United States History</td>
<td>Select from the GE D.3 list in the SSU Catalog</td>
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<tr>
<td>D.4. US Constitution and CA State and Local Govt.</td>
<td>POLS 200</td>
<td>3</td>
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<td>D.5. Contemporary International Perspectives</td>
<td>Select from the GE D.5 list in the SSU Catalog</td>
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<td>E. The Integrated Person (3)</td>
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<tr>
<td>E. The Integrated Person</td>
<td>Select SCI 220</td>
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3/23/2017 For more info, visit [http://www.sonoma.edu/advising/ge/](http://www.sonoma.edu/advising/ge/).