BS Civil Engineering Undergraduate Curriculum (Catalog Year: 2018 - 2019)

<table>
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<th>FRESHMAN</th>
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<tr>
<td>MATH 1551</td>
<td>MATH 1553</td>
<td>CHEM 1310</td>
<td>CS 1371</td>
<td>ENGL 1101</td>
<td>U.S. Constitution/History</td>
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<tr>
<td>Differential Calculus</td>
<td>Intro Linear Algebra</td>
<td>General Chemistry</td>
<td>Computing for Engineers</td>
<td>English Comp. I</td>
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<td>Minimum Grade C</td>
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<tr>
<td>MATH 1552</td>
<td>PHYS 2211</td>
<td>CEE 1770</td>
<td>ENGL 1102</td>
<td>HUMANITIES ELEC</td>
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<td>Integral Calculus</td>
<td>Intro Physics I</td>
<td>Intro to Engineering Graphics</td>
<td>English Comp. II</td>
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</table>

9. Overlay Area: A course in Global Perspectives must be taken as part of the curriculum. It can be an Approved Elective, Humanities, Economics, Humanities, or Social Science Elective. See page 2 for link to list of classes.

8. Ethics Requirement. PHIL 3105 or PHIL 3109 or PHIL 3127.

7. HIST 2111 or HIST 2112 or INTA 1200 or POL 1101 or PUBP 3000. Cannot use credit for both INTA 1200 and POL 1101.

6. Approved Electives. Maximum 3 hrs CEE 2699. MATH 1113, PHYS 2802, one-hour MUSI courses, GT 1000, and FREE XXXX are not allowed.

5. Any 3000 level or higher CEE course with the exception of CEE 4801, CEE 8811, and CEE 8812. See additional notes on page 2.

4. CEE Breadth Lab Elective: Choose CEE 4200 or 4405.

3. CEE Breadth Electives: Choose 3 of 6 from CEE 3055, 4100, 4200, 4300, 4405, and 4600.

2. Humanities Electives and Social Science Electives. See Page 2 for a link to the list of classes.

1. Students can receive credit for only one of ECON 2100, ECON 2101, ECON 2105, or ECON 2106. The only exception is that students can receive 6 hours credit for both ECON 2105 and ECON 2106.

Required Degree Hours = 128

1. Students can receive credit for only one of ECON 2100, ECON 2101, ECON 2105, or ECON 2106. The only exception is that students can receive 6 hours credit for both ECON 2105 and ECON 2106.

2. Humanities Electives and Social Science Electives. See Page 2 for a link to the list of classes.

3. CEE Breadth Electives: Choose 3 of 6 from CEE 3055, 4100, 4200, 4300, 4405, and 4600.

4. CEE Breadth Lab Elective: Choose CEE 4200 or 4405.

5. Any 3000 level or higher CEE course with the exception of CEE 4801, CEE 8811, and CEE 8812. See additional notes on page 2.

6. Approved Electives. Maximum 3 hrs CEE 2699. MATH 1113, PHYS 2802, one-hour MUSI courses, GT 1000, and FREE XXXX are not allowed.

7. HIST 2111 or HIST 2112 or INTA 1200 or POL 1101 or PUBP 3000. Cannot use credit for both INTA 1200 and POL 1101.

8. Ethics Requirement. PHIL 3105 or PHIL 3109 or PHIL 3127.

9. Overlay Area: A course in Global Perspectives must be taken as part of the curriculum. It can be an Approved Elective, Humanities, Economics, Humanities, or Social Science Elective. See page 2 for link to list of classes.
<table>
<thead>
<tr>
<th>Class Number</th>
<th>PHYS 2211</th>
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<tbody>
<tr>
<td>Class Name</td>
<td>Intro Physics I</td>
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<tr>
<td>Minimum Grade</td>
<td>C</td>
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<tr>
<td>Lecture hours/lab hours</td>
<td>(3-3-4)</td>
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The pre-requisite must be completed before you can take this class.
A co-requisite can be taken in the same semester or before the class.

CE has a minimum 5 semester prerequisite chain - plan your courses carefully!

### GPA & Grade Requirements

1. All classes taken for BSCE must be taken LETTER GRADE. No Pass/Fail.
2. **Overall GPA:** Must be 2.00 or above at graduation.
3. **Required grades:**
   - Minimum grade of D or better is required except as noted.
4. **Major GPA:**
   - Must be 2.00 or above at graduation.
   - Classes used to calculate major GPA include those with CEE prefix.

### Humanities, Social Science, and Overlay Requirements (Ethics and Global Perspectives)

1. **Humanities Electives:** The current list can be found at: [http://catalog.gatech.edu/students/ugrad/core/corec.php](http://catalog.gatech.edu/students/ugrad/core/corec.php)
2. **Social Science Electives:** The current list can be found at: [http://catalog.gatech.edu/students/ugrad/core/coree.php](http://catalog.gatech.edu/students/ugrad/core/coree.php)
3. **Ethics Requirement** PHIL 3105 or PHIL 3109 or PHIL 3127.
4. **Global Perspectives Overlay:** [http://catalog.gatech.edu/students/ugrad/core/gp.php](http://catalog.gatech.edu/students/ugrad/core/gp.php)

### CEE Technical Electives

Any 3000 level or higher CEE course with the exception of CEE 4801, CEE 8811, and CEE 8812.
Maximum of 3 hours CEE 4699 and 4900.
Only one non-CEE course allowed from following: COA 4010, CP 4010, CP 4020, CP 4310, and CP 4510.

### Approved Electives

Up to 3 hours of VIP credit can be used as Technical Elective Focus Area; after earning those 3 credits, any additional VIP credits can be used only as approved elective credits.