### FRESHMAN (35)

<table>
<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>ELCT 101*</td>
<td>ELCT 102*</td>
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<tr>
<td>Electrical &amp; Electronics Engr.</td>
<td>Electrical Science</td>
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<tr>
<td>CHEM 111 &amp;L*</td>
<td>PHYS 211 &amp;L*</td>
</tr>
<tr>
<td>SCI: General Chemistry I and Lab</td>
<td>SCI: Essentials of Physics I &amp; Lab</td>
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<tr>
<td>ENGL 101*</td>
<td>ENGL 102*</td>
</tr>
<tr>
<td>CMW: Critical Reading &amp; Comp.</td>
<td>CMW: Rhetoric &amp; Composition</td>
</tr>
<tr>
<td>MATH 141*</td>
<td>MATH 142*</td>
</tr>
<tr>
<td>ARP: Calculus I</td>
<td>ARP: Calculus II</td>
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<tr>
<td>ELECTIVE AIU: Aest. &amp; Intr. Understanding</td>
<td>CSCE 145*</td>
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<tr>
<td></td>
<td>Intro Algorithmic Design I</td>
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### SOPHOMORE (35 or 36)

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<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>CSCE 211*</td>
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<tr>
<td>Digital Logic Design</td>
<td>Intro. Computer Architecture</td>
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<td>ENGR ELCT</td>
<td>EMCH 220</td>
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<td>ELCT 221*</td>
<td>ELCT 201*</td>
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<tr>
<td>Circuits</td>
<td>Introductory EE Lab</td>
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<td>PHYS 212 &amp;L*</td>
<td>ELCT 222*</td>
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<tr>
<td>Essentials of Physics II &amp; Lab</td>
<td>Signals and Systems</td>
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<td>MATH 242*</td>
<td>MATH 241*</td>
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<td>Elem. Differential Equations</td>
<td>Vector Calculus</td>
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### JUNIOR (33)

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<tbody>
<tr>
<td>ELCT 301</td>
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<tr>
<td>Electronics Laboratory</td>
<td>Control Systems Laboratory</td>
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<td>ELCT 321</td>
<td>ELCT 331</td>
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<tr>
<td>Digital Signal Processing</td>
<td>Control Systems</td>
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<td>ELCT 371</td>
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<td>Electromagnetics</td>
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<td>ECON 421</td>
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<tr>
<td>Engineering Economics</td>
<td>GHS: Historical Thinking</td>
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<td>ELECTIVE GSS: Social Science</td>
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### SENIOR (24)

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<tbody>
<tr>
<td>ELCT 403</td>
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<tr>
<td>Capstone Design Project I</td>
<td>Capstone Design Project II</td>
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<tr>
<td>Career</td>
<td>Career</td>
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<td>Plan Elective</td>
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<tr>
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<td>Career</td>
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<td>Plan Elective</td>
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### ADDITIONAL REQUIREMENTS (0-12)

These additional University requirements may be satisfied through overlay courses, by placement testing, or by stand alone courses beyond the curriculum requirements above.

**CMS Effective, Engaged, and Persuasive Communication: Spoken Component**
PHIL 325 (CMS/VSR overlay) or any approved overlay or stand-alone Carolina Core CMS course.

**INF Information Literacy**
USC’s ENGL 102 or any approved overlay or stand-alone Carolina Core course for INF.

**GFL Global Citizenship and Multicultural Understanding: Foreign Language**
Score of two or better on foreign language test, or equivalent study of approved Carolina Core GFL course(s).

* Indicates a lower division course to be completed before junior level courses.
Career Plan Electives (15 hrs)
The student, in consultation with his or her advisor, will select 15 hours of electives, that support the student's defined career plan. Not more than 6 hours of these electives may be from another discipline, and all must be at or above the 300-level.

Curriculum Notes
C or better is required in ENGL 101,102, MATH 141, 142, PHYS 211 & Lab, ELCT 221, CSCE 145, CSCE 211.