### ELECTRICAL ENGINEERING

**Courses available at Coastal Carolina**  
**2018 - 2019 Curriculum**

#### FRESHMAN YEAR

- 4 CH 1010 General Chemistry
- 3 ENGL 1030 Accelerated Composition
- 2 ENGR 1020 Engineering Discipline and Skills
- 4 MATH 1060 Calculus of One Variable I
- 3 ENGL 1030 Accelerated Composition
- 2 ENGR 1020 Engineering Discipline and Skills
- 4 MATH 1020 General Chemistry
- 3 ENGR 1050 Programming and Problem Solving
- 4 MATH 1080 Calculus of One Variable II
- 3 Gen Ed
- **Total Semester Hours: 16**

#### SOPHOMORE YEAR

- 3 CPSC 1110 Introduction to Programming in C
- 2 ECE 2010 Logic and Computing Devices
- 3 ECE 2020 Electric Circuit I
- 1 ECE 2090 Logic and Computing Devices Lab.
- 1 ECE 2110 Electrical Engineering Lab. I
- 4 MATH 2060 Calculus of Several Variables
- 3 PHYS 2210 Physics with Calculus II
- 3 Gen Ed
- **Total Semester Hours: 17**

#### JUNIOR YEAR

- 1 ECE 3110 Electrical Engineering Lab. III
- 3 ECE 3200 Electronics
- 3 ECE 3300 Signals, Systems, and Transforms
- 3 ECE 3600 Electric Power Engineering
- 3 ECE 3800 Electromagnetics
- 3 Advanced Mathematics Requirement
- **Total Semester Hours: 16**

#### SENIOR YEAR

- 3 COMM 1500 Intro. to Human Comm; OR
- 3 COMM 2500 Public Speaking
- 3 ECE 4090 Intro. to Linear Control Systems
- 3 ECE 4270 Communications Systems
- 2 ECE 4950 Integrated System Design
- 3 Electrical Engr. Technical Requirement
- **Total Semester Hours: 17**

**126 Total Semester Hours**

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**Footnotes:**

1. ENGR 1070, ENGR 1080 and ENGR 1090 may be substituted for ENGR 1410; ENGR 1050 and ENGR 1060 may be substituted for ENGR 1020 and ENGR 1410/or CHE 1300 must all be completed with a "C" or higher before declaring and starting courses in your engineering major.

2. This course must be passed with a grade of C or better either to transfer into Electrical Engineering from General Engineering or to satisfy later course requirements.

3. See General Education section. Six of these credit hours must also satisfy General Education Cross-Cultural Awareness and Science and Technology in Society Requirements.

4. MATH 4190, MATH 4340, MATH 4350, MATH 4530 or MATH 4540

5. Nine credits selected from BIOE 3700, BIOE 4310, BIOE 4350, BIOE 4360, ECE 2220, ECE 4040, ECE 4050, ECE 4060, ECE 4160, ECE 4180, ECE 4190, ECE 4200, ECE 4220, ECE 4300, ECE 4320, ECE 4360, ECE 4370, ECE 4380, ECE 4400, ECE 4420, ECE 4460, ECE 4550, ECE 4570, ECE 4590, ECE 4600, ECE 4610, ECE 4670, ECE 4680, ECE 4730, ECE 4910, ECE 4920, ECE 4930, ECE 4990 or ME 3100. A maximum of three credits of courses marked with an asterisk may be used to satisfy this requirement.

6. Three additional credits of university or college approved Arts and Humanities or Social Science courses; or ELE 3010 or ELE 4010; or any additional three-credit, 4000-level course from the list of courses in footnote 5 above; or a course selected from the following list: ECE 4310, ECE 4490; or one additional course selected from MATH 3110, MATH 4120, MATH 4190, MATH 4340, MATH 4350, MATH 4400, MATH 4410, MATH 4530 or MATH 4540.

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### General Education Requirements

<table>
<thead>
<tr>
<th>LIT</th>
<th>Non-Lit</th>
<th>SS1</th>
<th>SS2</th>
<th>CCA</th>
<th>STS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIFE</td>
<td>Palmetto Fellows</td>
<td>Honors</td>
<td>Athlete</td>
<td>RiSE</td>
<td>ROTC</td>
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</tbody>
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**Comments:**

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