## 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 Gen Ed**
- **4 ENGR 1410 Programming and Problem Solving**
- **3 MATH 1080 Calculus of One Variable II**
- **3 PHYS 1220 Physics of One Variable I**
- **6 Gen Ed**

## 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 ENGR 1410 Programming and Problem Solving**
- **3 PHYS 2210 Physics with Calculus I**
- **3 MATH 2060 Calculus of Several Variables**
- **4 PHYS 2210 Physics with Calculus II**
- **1 ECE 2120 Electrical Engineering Lab. II**
- **3 ECE 2220 Systems Programming Concepts for Computer Engineering**
- **3 ECE 2720 Computer Organization**
- **1 ECE 2730 Computer Organization Laboratory**
- **4 MATH 2080 Int. to Ordinary Differential Eqtns**
- **15 Gen Ed**

## JUNIOR YEAR
- **3 ECE 2230 Computer Systems Engineering**
- **1 ECE 3110 Electrical Engineering Lab. III**
- **3 ECE 3200 Electronics I**
- **3 ECE 3300 Signals, Systems, and Transforms**
- **3 ECE 3710 Microcontroller Interfacing**
- **1 ECE 3720 Microcontroller Interfacing Lab.**
- **1 MATH 3110 Linear Algebra**
- **3 ECE 2120 Electrical Engineering Lab. II**
- **3 ECE (CPSC) 3220 Intro. to Operating Systems**
- **3 ECE 3270 Digital Computer Design**
- **3 ECE 3520 Programming Systems**
- **3 MATH 4190 Discrete Math. Structures I**
- **17 Gen Ed**

## SENIOR YEAR
- **3 COMM 1500 Intro. to Human Comm. OR**
- **3 COMM 2500 Public Speaking**
- **3 ECE 4090 Intro. to Linear Control Systems**
- **2 ECE 4950 Integrated System Design I**
- **3 ENGL 3140 Technical Writing**
- **6 Computer Engr. Technical Requirement**
- **3 Special Requirement**
- **17 Gen Ed**

**Total Semester Hours**: 127

### General Education Requirements

<table>
<thead>
<tr>
<th>LIT</th>
<th>Non-Lit</th>
<th>SS1</th>
<th>SS2</th>
<th>ENGR 5th</th>
<th>STS</th>
<th>CCA</th>
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<tr>
<td>LIFE</td>
<td>Palmetto Fellows</td>
<td>Honors</td>
<td>Athlete</td>
<td>RISE</td>
<td>ROTC</td>
<td>Med School</td>
</tr>
</tbody>
</table>

**Notes**:
1. A student is allowed to enroll in ECE courses (excluding ECE 2070, 2080, 3080) only when all prerequisites have been passed with a grade of C or better.
2. All Computer Engineering students must have a cumulative engineering grade-point average of 2.0 to enroll in any 3000- or 4000-level ECE courses.
3. No student may exceed a maximum of two attempts, excluding a W, to complete successfully any ECE course.
4. See General Education section of the Undergraduate Announcements. Six of these credit hours must also satisfy General Education Cross-Cultural Awareness and Science and Technology in Society Requirements.
5. Select from department-approved list.
6. Three additional credits of university or college approved Arts and Humanities or Social Science courses; or ELE 3010 or 4010; or any additional three-credit, 4000-level course from the departmental Computer Engineering Technical Requirement list or Electrical Engineering Technical Requirement list; or one additional course selected from MATH 4120, 4340, 4350, 4400, 4410, or 4530.

**Notes**:
1. A student is allowed to enroll in ECE courses (excluding ECE 2070, 2080, 3080) only when all prerequisites have been passed with a grade of C or better.
2. All Computer Engineering students must have a cumulative engineering grade-point average of 2.0 to enroll in any 3000- or 4000-level ECE courses.
3. No student may exceed a maximum of two attempts, excluding a W, to complete successfully any ECE course.

**Change of Major Checklist**

<table>
<thead>
<tr>
<th>Required</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 1010</td>
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<tr>
<td>ENGL 1030</td>
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<td>ENGR 1020</td>
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<td>ENGR 1410</td>
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<td>MATH 1060</td>
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<tr>
<td>MATH 1080</td>
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<tr>
<td>PHYS 1220</td>
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</table>

GPA = 2.0; C or Better Required in Each Class
2016 – 2017 General Education Worksheet for Engineering

C. Arts and Humanities: Literature [Lit] 3 credits
ENGL 2020, 2120, 2130, 2140, 2150. CHIN 4010, GER 2600. HON 1900, 2210. JAPN 4010, RUSS 3600, 3610

Literature taught in a foreign language: FR 3000, 3040, GER 3060, 3600, 3610, ITAL 3010, 3020, JAPN 4060, SPAN 3040, 3110, 3130

C. Arts and Humanities: Non-Literature [NL] 3 credits
AAH 1010. ART 2100(CA), 3750, ASL 3050(CA), CAAH 2010(CA), CHIN (PHIL) 3120, (PHIL) 3130, 4990, COMM 1800(CA), 3030, 3080, 3090, 4020, ENGL (GW) 3010, 3550, 3570, ENGL (LANG) 4540, FR 3070, GW (ENGL) 3010, 4050, GER 3400, HON 1910, 2010(CA), 2030, 2100, 2220, HUM 3010, 3020, HUM 3060, 3090(CA), JAPN 3070, 3080, LANG 3400, 3420, 3560, (ENGL) 4540, LARC 1160STS, MUSC 2100(CA), 3080, 3090, 3110, 3120, 3130, 3140(CA), MUSC 3170, 3610, 3620, 3630, 3640, 3690, 3700, 3710, 3720, PHIL 1010, 1020, 1030, 1240STS, 2100STS, (CHIN) 3120, (CHIN) 3130, 3160, 3170, 3180, PHIL 3230, 3240STS, 3250, 3260STS, 3270, 3440, 3450STS, REL 1010(CA), 1020(CA), 3010, 3020, 3030, 3060, 3070, 3090, 3120, 3130, 3150, RUSS 3400, SPAN 3070, 3080. STS 1010STS, 1020STS, 2150STS, 3010STS, 3030STS, THEA 2100, 2790, 3080, 3090, THEA 3150, 3160, 3170, WS 3010

D. Social Sciences [SS] 6 credits
AGRB 2020, ANTH 2010(CA), ECON 2000, 2110, 2120. GEOG 1010, 1030(CA), 1060, HIST 1010, 1020, 1220STS, 1240STS, 1720CA, 1730CA, 1930CA, HON 1920, 2020, 2200, PAS 3010(CA), POSC 1010, 1020(CA), 1030, 1040(CA), PSYC 2010, 2500(CA), 2750STS, RS 3010, SOC 2010, 2020

E. Cross-Cultural Awareness [CCA] 3 credits
AAH 1020, AGRB 2050STS, ANTH 2010, ART 2100NL, ASL 3050NL, CAAH 2010NL, COMM 1800NL, GEOG 1030SS, HIST 1720CA, 1730CA, 1930CA, HON 1930, 2090, HUM 3090NL, IS 1010, 2100, LANG 2500, 2540, MUSC 2100NL, 3140NL, PAS 3010NL, POSC 1020SS, 1040SS, PSYC 2500SS, REL 1010NL, 1020NL, WS 1030, or through a University-approved cross-cultural experience

F. Science and Technology in Society [STS] 3 credits
AGED (EDF) 4800, AGRB 2050CCA, (ECON) 4570, AVS 3150, 4150, BIOL 2000, 2010, 2030, 2040. 2100, 2110, 2200, 4730, CH 1050, 1060, COMM 1070, COMM 3070, CPS 2920, CT 1150, 2210. ECE 1010, ECON 3190, AGRB 4570, AGRB 4570, ENGL 3490, ENGR 2200, 2210. ENR 3120, (FOR) 4160, ENSP (GEOL) 1250, 2000, (PES) 3150, ENSP 4000. ENT 2000, FDSC 2140. FOR (ENR) 4160, GEOL 1120, 1200, (ENSP) 1250, 2700, 3000. HCG (NURS) 3330, HIST 1220SS, 1240SS, 3210, 3220, 3230, 3920, 4240, 4910, HLTH 4310, HON 1940, 2010NL, 2060, IE 4880. LARC 1160NL, MKT 4450, MUSC 3180, NURS 1400, (HCG) 3330. NUTR 2030, 2100, PES (ENSP) 3150, PHIL 1240NL, 2100NL, 3240NNL, 3260NL, 3280, 3400, 3450NL, PHYS 2450, PKSC 3680, PLPA 2130, PRMT 2110, PSYC 2750SS, RS (SOC) 4010, SOC (RS) 4010, 4030, STAT 2220, STS 1010NL, 1020NL, 1200, 1710, 2150NL, 2160, STS 3010NL, 3030NL, 4980, 4990

Additional A&H/SS Requirement [**5th and ***6th] as required by engineering major

Any 1000 – 4999 course in the following rubrics: AAH, ANTH, ARAB, ART, ASL, CHIN, DANC, ECON, FR, GEOG, GER, GW, HIST, HUM, ITAL, JAPN, LANG, LAW, MUSC, PA, PAS, PHIL, PORT, POSC, PSYC, REL, RS, RUSS, SOC, SPAN, THEA, WS
**Additional course (5th) only required by CHE, ENVE, ME and MSE. CPE and EE require the additional 5th or a technical elective.
BioE, BE, CE and IE do not require 5th.

**Bold indicates no pre-reqs required
Underline indicates MUSC courses require audits, are 1 hour, may be repeated or grouped to achieve credit required.