ENVIROMENTAL ENGINEERING


FRESHMAN YEAR

| Cours | Credits
|-------|--------|
| CH 1010 General Chemistry | 4
| ENGL 1030 Accelerated Composition | 3
| ENGR 1020 Engineering Discipline and Skills I | 2
| MATH 1060 Calculus of One Variable I | 3
| Gen Ed1 | 1

SOPHOMORE YEAR

| Cours | Credits
|-------|--------|
| BIOL 1030 General BiologyI | 3
| BIOL 1050 General Biology Lab3 | 1
| CE 2010 Statics | 3
| EES 2010 Environmental Engineering Fundamentals I | 3
| MATH 2060 Calculus of Several Variables | 4
| PHYS 2210 Physics with Calculus II | 3

JUNIOR YEAR

| Cours | Credits
|-------|--------|
| EES 3030 Water Treatment Systems | 2
| EES 3040 Wastewater Treatment Systems | 2
| EES 3050 Water and Wastewater Treatment Lab | 1
| MATH 3020 Statistics for Science and Engineering | 3
| MICR 3050 General Microbiology | 4
| Gen Ed1 | 3

SENIOR YEAR

| Cours | Credits
|-------|--------|
| EES 4300 Air Pollution Engineering | 3
| EES 4500 Env Engr Senior Seminar | 1
| EES 4800 Environmental Risk Assessment | 3
| EES 4860 Environmental Sustainability | 3
| Engr Econ Requirement7 | 2
| Engr or Sci Requirement8 | 3

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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</thead>
<tbody>
<tr>
<td>LIFE</td>
<td>Palmetto Fellows</td>
<td>Honors</td>
<td>Athlete</td>
<td>RISE</td>
<td>ROTC</td>
<td>Med School</td>
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| HIST 1240 | HIST 1240 |

Change of Major Checklist

<table>
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<tr>
<th>Required</th>
<th>Completed</th>
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<tbody>
<tr>
<td>CH 1010</td>
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<tr>
<td>ENGL 1030</td>
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<tr>
<td>ENGR 1020</td>
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<td>ENGR 1410</td>
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<td>MATH 1060</td>
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<td>MATH 1080</td>
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<td>PHYS 1220</td>
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GPA = 2.0; C or Better Required in Each Class

EES 2010 and EES 2020 are only taught once per year

Notes:

1. See the policy on Humanities and Social Sciences for Engineering Curricula. HIST 1240 must be taken as one of the courses; it satisfies 3 credit hours of the social science requirement and the Science and Technology in Society requirement. Students are encouraged to take PHL 3450 (Environmental Ethics) to fulfill the non-literature humanities requirement.
2. HIST 1240 satisfies 3 credit hours of the social science requirement and the Science and Technology in Society requirement in the University’s General Education requirements. If a student is not able to enroll in the second semester of the freshman year, this course may be taken at another time.
3. BIOL 1100 (5hrs) may be substituted
4. CH 2230 may be substituted
5. ENGR 1410 may be substituted
6. May substitute PES 2020 & CSEN 2021
7. The following courses are acceptable: CE 3520 or IE 3840
8. Choose any combination of engineering and/or sciences courses from a department-approved list

Comments:

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

D. Social Sciences [SS] ............................................................................. 6 credits
   AGRB 2020, ANTH 2010CA, ECON 2000, 2110, 2120, GEOG 1010, 1030CA, 1060, HIST 1010, 1020, 1220ST, 1240ST, 1720CA, 1730CA,

E. Cross-Cultural Awareness [CCA] ....................................................... 3 credits
   AAH 1020, AGRB 2050ST, ANTH 2010ST, ART 2100NL, ASL 3050NL, CAAH 2010NL, COMM 1800NL, GEOG 1030SS, HIST 1720SS, 1730SS,
   1930SS, HON 1930, 2090, HUM 3090NL, IS 1010, 2110, LANG 2500, 2540, MUSC 2100NL, 3140NL, PAS 3010SS, 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 2050CA, (ECON) 4570, AVS 3150, 4150, BIOL 2000, 2010, 2030, 2040, 2100, 2110, 2200, 4730, CH 1050,
   1060, COMM 1070, COMM 3070, CPSC 2920, CTE 1150, 2210, ECE 1010, ECON 3190, (AGR) 4570, ENGL 3490, ENGR 2200, 2210,
   ENR 3120, (FOR) 4160, ESP (GEOL) 1250, 2000, (PES) 3150, ENSP 4000, ENT 2000, FDS 2140, FOR (ENR) 4160, GEOI 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, 3240NL, 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

G. 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, THA, WE
   Rubrics with exceptions for additional requirement: AGRB 1000-2999, CAAH 2010, COMM [except 1500, 2500], EAS 1230, ENGL 2000-4999 [except 2170, 3040, 3100, 3120, except ENGL 3140, 3150, 3160, 3330], HON 1900, 1910, 1920, 2010, 2020, 2030, 2100, 2200, 2210, 2220, IS 2100, STS 1010, 1020, 3030
   ** Additional course (5th) only required by CHE, ENVE, ME and MISE. CPE and EE require the additional 5th or a technical elective.
   *** 6th requirement for CHE only.

BOLD indicates no pre-reqs required

This is an unofficial document: Responsibility for satisfying these requirements rests with the student. Evaluation based on catalog year 2016 – 2017

Updated - June 9, 2016