### General Education Courses

Courses include Humanities, Ethics, Social Science, History, Logical Thinking

For FSU go to [http://registrar.fsu.edu/bulletin/undergraduate/information/undergraduate_degree/](http://registrar.fsu.edu/bulletin/undergraduate/information/undergraduate_degree/)

For FAMU go to [http://catalog.famu.edu/content.php?catoid=5&navoid=218](http://catalog.famu.edu/content.php?catoid=5&navoid=218)

### Major Milestones

- Declare your major
- Go to Student Services at COE

### Required Electives

Group A, B, C, D courses are listed on the back of this page.

This is a suggested academic map; students make take any course if pre-req requirements are met.
Environmental Engineering Curriculum Flow Chart

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Summer</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
<th>Term 6</th>
<th>Term 7</th>
<th>Term 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total hours = 15</td>
<td>Total hours = 15</td>
<td>Total hours = 12</td>
<td>Total hours = 15</td>
<td>Total hours = 16</td>
<td>Total hours = 15</td>
<td>Total hours = 13</td>
<td>Total hours = 15</td>
<td>Total hours = 12</td>
</tr>
</tbody>
</table>

- **General Education Course (3)**
  - Pre-req: CHECK GENERAL BULLETIN
- **ENC1101 (3)** or ENC 1121 (FAMU only)
  - Pre-req: CHECK GENERAL BULLETIN
- **MAC 2311 (4)**
  - Calculus I
  - Req. to Declare Major
  - Pre-req: MAC 1144 & MAC 1140 or 1147
- **MAC 2312 (4)**
  - Calculus II
  - Req. to Declare Major
  - Pre-req: MAC 2311
- **MAC 2313 (5)**
  - Calculus III
  - Pre-req: MAC 2312
- **MAP 3305 (3)**
  - Eng. Math OR MAP 3302 (3) ODE
  - Pre-req: MAC 2313 or "B" in MAC 2312
- **EGN 2123 (2)**
  - Engineering Graphics
  - Co or Pre-req: MAC 2311
- **EGN 3113 (2)**
  - Eng. Economy
  - Pre-req: MAC 2313
- **EGN3613 (2)**
  - Intro to Environmental Engineering
  - Pre-req: CHM 1045, PHY 2048

**DEGREE REQUIREMENTS:**
- **Total hours = 120**

**OPPORTUNITIES:**
- **General Education courses include Humanities, Ethics, Social Science, History, Logical Thinking**
  - For FSU go to [http://registrar.fsu.edu/bulletin/undergraduate/information/undergraduate_degree/](http://registrar.fsu.edu/bulletin/undergraduate/information/undergraduate_degree/)
  - For FAMU go to [http://catalog.famu.edu/content.php?catoid=5&navoid=218](http://catalog.famu.edu/content.php?catoid=5&navoid=218)

**YES/NO ELECTIVES:**
- Group A, B, C, D courses are listed on the back of this page

**MAJOR MILESTONES:**
- **Declare Your Major**
  - Go for Student Services at COE
- **CWR 3200L (1)**
  - Env/Hyd Eng Lab
  - Co-pre-req: CWR 3201 or EES 3040

**GRAD CHECKS:**
- **Sign up for FE Exam Go to FBPE.ORG**
- **Complete Department & University Grad Checks**

**GENERAL EDUCATION COURSES**

**REQUIRED ELECTIVES:**
- Group A, B, C, D courses are listed on the back of this page

**THIS IS A SUGGESTED ACADEMIC MAP; STUDENTS MAKE TAKE ANY COURSE IF PRE-REQ REQUIREMENTS ARE MET**

Updated: 08/2018
GROUP A: Science Elective Courses (select ONE)

- **FAMU:**
  - BSC 1010C General Biology I (4)
  - EVR 3235 Atmospheric Processes (3)
  - GLY 2010 Principles of Geology (3)
  - PCB 2033 General Ecology (3)
  - EVR 3023 Introduction to Marine Environment (3)

- **FSU:**
  - BSC 2010 Biological Science (3)
  - MET 2700 General Meteorology (3)
  - GLY 2010C Physical Geology (4)
  - GLY 1030 Environmental Issues in Geology (3)
  - PCB 3043 General Ecology (3)
  - OCE 4008 Principles of Oceanography (3)

GROUP C: Professional/Technical Elective Courses (select ONE)

A course outside of the CEE department emphasizing professional development, computing, and other professional/technical skills.

- **COE:**
  - CGN 4930* Blending STEM and Public Policy (3)
  - EIN 4445/4150 (FSU/FAMU) Technology Entrepreneurship and Commercialization (3)

- **FSU:**
  - BUL 3310 Legal & Ethical Environment of Business (3)
  - GIS 2040 Essentials of Geographic Information Systems (3)
  - CGS 3406 Object-Oriented Programming in C++ (3)
  - ENC 4212 Editing: Manuscripts, Documents, Reports (3)
  - GIS 4043 & Lab Geographic Info Processing & Systems (3+1)
  - URP 4710 Intro to Transportation Issues and Transportation Planning (3)
  - PAD 4936* Disasters: From Shock to Recovery or Disaster Mgt.

- **FAMU:**
  - COP 3014 Fundamentals of Programming (3)
  - ENC 3243 Technical Report Writing (3)
  - GIS 1040 Intro to GIS (3)
  - AGR 4430C Geographic Info Systems (4)

* NOTE: Multiple special topics (4930/4936) courses may share the same course number. Make sure that you are enrolling in the correct section.

GROUP B: Math/Engineering/Science Elective Courses (select TWO)

**BOTH** Group B courses MAY be from the CEE Dept. but at least **ONE** Group B course MUST be from the CEE Dept.:

- **CEE Department:**
  - CEE 4xxx Any 4000-level CEE course not meeting another requirement
  - CEG 4xxx Any 4000-level CEG course not meeting another requirement
  - CES 4xxx Any 4000-level CES course not meeting another requirement
  - CWR 4xxx Any 4000-level CWR course not meeting another requirement
  - ENV 4xxx Any 4000-level ENV course not meeting another requirement
  - TTE 4xxx Any 4000-level TTE course not meeting another requirement
  - CGN 4930* Select 4000-level Special Topics (see Academic Coordinator for more info)

- **FSU:**
  - GLY 4730 Marine Geology (3)
  - GLY 4884 Environmental Geology I (3)
  - GLY 4820 Principles of Hydrology (3)
  - OCC 4060 Environmental Science Modeling (3)
  - OCE 4631 Aquatic Pollution (3)
  - URP 4936* International Transportation Planning (3)

- **FAMU:**
  - EVR 3028: Environmental Modeling Principles (3)
  - EVR 3867: Environmental Risk Analysis (3)

- **COE:**
  - ESI 3312C Operations Research I: Deterministic (3)
  - EML 4930* Experimental Methods in Nanoscale Science & Engineering (3)

*NOTE: Multiple special topics (4930/4936) courses may share the same course number. Make sure that you are enrolling in the correct section.

GROUP D: Statistics Courses (select ONE)

- **FAMU:**
  - STA 3034 Mathematical Statistics(3)

- **FSU:**
  - STA 2122 Introduction to Applied Statistics (3)
  - STA 3032 Applied Statistics for Engineers and Scientists (3)
  - STA 2023 Fundamental Statistics (3)

*NOTE: Multiple special topics (4930/4936) courses may share the same course number. Make sure that you are enrolling in the correct section.

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