

# CIVIL ENGINEERING

2020 – 2021 Curriculum (updated May 2020)

Student: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 CUID: \_\_\_\_\_  
 Advisor: \_\_\_\_\_

## FRESHMAN YEAR

- |  |  |
|--|--|
| _____ 4 CH 1010 General Chemistry                    | _____ 3 ENGR 1410 Programming and Problem Solving                    |
| _____ 3 ENGL 1030 Composition and Rhetoric           | _____ 2 ENGR 2100 Computer-Aided Design and Engineering Applications |
| _____ 2 ENGR 1020 Engineering Disciplines and Skills | _____ 3 GEOL 1010 Physical Geology                                   |
| _____ 4 MATH 1060 Calculus of One Variable I         | _____ 1 GEOL 1030 Physical Geology Lab.                              |
| _____ 3 Gen Ed _____                                 | _____ 4 MATH 1080 Calculus of One Variable II                        |
| 16   | _____ 3 PHYS 1220 Physics with Calculus I                            |
|  | _____ 1 PHYS 1240 Physics Lab. I                                     |
|  | 17   |

## SOPHOMORE YEAR

- |   |   |
|---|---|
| _____ 3 CE 2010 Statics                         | _____ 4 CE 2060 Structural Mechanics                      |
| _____ 3 CE 2550 Geomatics                       | _____ 2 CE 2080 Dynamics                                  |
| _____ 4 MATH 2060 Calculus of Several Variables | _____ 2 CE 3520 Economic Evaluation of Projects           |
| _____ 3 PHYS 2210 Physics with Calculus II      | _____ 3 COMM 2500 Public Speaking                         |
| _____ 1 PHYS 2230 Physics Lab. II               | _____ 4 MATH 2080 Int. to Ordinary Differential Equations |
| _____ 3 Gen Ed _____                            | 15  |
| 17  |   |

## JUNIOR YEAR

- |  |  |
|--|--|
| _____ 3 CE 3010 Structural Analysis                      | _____ 3 CE 3110 Transportation Engineering Planning & Design |
| _____ 3 CE 3310 Construction Engineering and Management  | _____ 4 CE 3210 Geotechnical Engineering                     |
| _____ 4 CE 3410 Introduction to Fluid Mechanics          | _____ 3 CE 3420 Applied Hydraulics and Hydrology             |
| _____ 4 CE 3510 Civil Engineering Materials              | _____ 1 CE 3530 Professional Seminar                         |
| _____ 3 MATH 3020 Statistics for Science and Engineering | _____ 3 EES 4010 Environmental Engineering                   |
| 17   | _____ 3 Design Technical Requirement _____                   |
|  | 17   |

## SENIOR YEAR

- |  |   |
|--|---|
| _____ 3 ENGL 3140 Technical Writing            | _____ 3 CE 4590 Capstone Design Project |
| _____ 3 Design Technical Requirement _____     | _____ 3 Elective _____                  |
| _____ 3 Technical Requirement _____            | _____ 3 Gen Ed _____                    |
| _____ 3 Technical Requirement _____            | _____ 3 Gen Ed _____                    |
| _____ 3 Technical Requirement Restricted _____ | _____ 3 Technical Requirement _____     |
| 15   | 15                                      |

**129 Total Semester Hours**

### General Education Requirements

LIT	Non-Lit	SS1	SS2	CCA	STS

**Comments:** \_\_\_\_\_  
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Change of Major Checklist	
Required	Completed
CH 1010	
ENGL 1030	
ENGR 1020	
ENGR 1410	
MATH 1060	
PHYS 1220	
GPA = 2.6; C or better required in each class	

Students should always refer to the Academic Catalog for course descriptions and for course pre-requisites, corequisites, and concurrent enrollment requirements. Academic Catalog can be found here: <https://www.clemson.edu/registrar/academic-catalogs/>