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

16

SOPHOMORE YEAR

2 BE 2120 Fundamentals of Biosystems Engr.
3 CE 2010 Statics
4 MATH 2060 Calculus of Several Variables
3 PHYS 2210 Physics with Calculus II
4 Biology Requirement

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JUNIOR YEAR

3 BE 3200 Principles and Practices of Geomatics
3 BE 4100 Biol. Kinetics and Reactor Modeling
3 BIOL 4410 Ecology
4 CE 3410 Introduction to Fluid Mechanics
2 ECE 2070 Basic Electrical Engineering
1 ECE 2080 Basic Electrical Engineering Lab.

16

SENIOR YEAR

3 BChM 3050 Biochemistry
3 BE 4280 Biochemical Engineering
2 BE 4740 Biosystems Engr. Design/Project Mgt.
2 BE 4750 Biosystems Engr. Capstone Design
2 BIOL 4340 Biol. Chemical Lab. Techniques
4 CE 2060 Structural Mechanics

15

126 Total Semester Hours

All Clemson engineering students begin in our General Engineering program and move into their specified major once the departmental standards are completed. Clemson courses ENGL 1030, MATH 1060 and 1080, PHYS 1220, CH 1010, ENGR 1020 and ENGR 1410/Chem 1300 must all be completed with a "C" or higher before declaring and starting courses in your engineering major.

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
2 ME 2010 may be substituted for CE 2010 and CE 2080
3 BIOL 1030/BIOL 1050 or BIOL 1100
4 Students should choose courses to fulfill General Education requirements including Humanities, Social Science, Cross-Cultural Awareness and Science and Technology in society components. See Undergraduate Announcements and academic advisor for details.
5 Select from BE 3140, BE 4080, BE 4140, BE 4170, BE 4220, BE 4400, BE 4640, BE 4730, BE 4840, CE 3210, CE 3520, CE 4020, CE 4060, CE 4820, EES 4010, EES 4020, EES 4100, EES 4300, EES 4800, EES 4840, EES 4850, EES 4860, GEOL 4210, IE 3840, or any 3000- or 4000-level ENGR course.
6 Select CU 2010 or any course from the Sustainability Minor course list.

*See catalog for current curriculum at catalog.clemson.edu

General Education Requirements

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Comments: