Integrative Engineering – Environment & Energy Focus
Typical Four-year Schedule

First Year:

Fall	Spring
ES 101 Intro to Eng	ES 103 Systems I
MATH 161 Calculus I	MATH 162 Calculus II
CHEM 107 General Chemistry I (L)	PHYS 131/151 Physics I / Acc. Physics (L)
First Year Seminar	CHEM 108 General Chemistry II/Elective*

Second Year:

Fall	Spring/Study Abroad*
ES 201 Systems II (L)	CS 104, 105, or 106/Elective
MATH 263 Calculus III	MATH 264 DEQs with Linear Algebra
ES 231 Materials/Elective	ES 231 Materials/Elective
CS 104, 105, or 106/Elective	Elective
CHEM 108 General Chemistry II /Elective	Elective

Third Year:

Fall	Spring
CE 321 Env Eng & Sci (L)	ES 303 Environment & Energy Systems
CE 251 Fluids/ChE 311 Transport or M, S, Eng Elective (see list)	ME 362 Fluids**/M, S, Eng Elective (see list)
ES 254 Thermodynamics	EGRS 352 Energy, Techn & Modern World
Engineering or Related Elective (see list)	Engineering or Related Elective (see list)
EGRS 251 Intro to Eng Public Policy	Elective

Fourth Year:

Fall	Spring
Capstone I***	Capstone II
Engineering Elective (see list)	Related Elective (see list)
M ,S, Eng Elective (see list)	Elective
Elective	Elective

*If study abroad, a Lafayette faculty-led program for engineering students is recommended
**take ME 362 this semester if you did not previously take CE 251 or ChE 311
***two-semester capstone course offered by CE or ME related to Environment & Energy

Electives are used to fill the Common course of study (CCS) requirements: https://ccs.lafayette.edu/chart/

Note 1: Your 26 total courses for the IntE major must include 8 math/sci courses, EGRS 251, 13 engineering/cs courses + 2 M,S, Eng electives + 2 Environment & Energy related electives from any Division of the College.

Note 2: If you enter Lafayette with AP credit (e.g. for Calculus), talk to your advisor about how this schedule could be modified for your particular situation.

Note 3: If you switch to IntE in your second year, move ES 103 to spring second year, and ES 201 to fall third year.