Civil Engineering (128 cr)

You should discuss with your major mentor before proceeding with the following schedule

Year 1

Fall Semester

Calculus with Applications or Calculus	ECC: Computer Programming for Engineers	General Elective	First-year Writing Seminar

January Term

ECC: Design & Innovation

Spring Semester

Multivariable Calculus	Foundations of Science 1	Foundations of Science 2 / Ethics	Colloquium

Year 2

Fall Semester

Linear Algebra	ECC: Digital Logic / ECC: Statics	ECC: Circuits / ECC: Conservation Laws	Core

January Term

Colloquium

Spring Semester

ODEs or Eng. Differential Equations	Solid Mechanics / Adv. Solid Mechanics	Fluid Mechanics / Science Elective	Environmental Engineering

Year 3

Fall Semester

Structural Systems / Project Management	Transportation and Traffic Engineering	Engineering Materials / Structural Materials	Geotechnical Engineering

January Term

Colloquium

Civil Engineering Elective	Civil Engineering Elective	Civil Engineering Design Elective	Core

Year 4

Fall Semester

Capstone Design I / Civil Engineering Design Elective	Core	Probability & Statistics / Data Analysis	Civil Engineering Elective

Spring Semester

Capstone Design II	ECC: Numerical Methods	Civil Engineering Elective	Core