Bioengineering

Option 1

Alternative sample schedules are available at nyuad.nyu.edu/grids

Year 1

Fall Semester

Calculus with Applications or Calculus	Foundations of Science 1	Foundations of Science 2	First-year Writing Seminar

Spring Semester

Multivariable Calculus	Computer Programing for Engineers Ethics	General Elective	Colloquium

June Term

ECC: Design & Innovation

Year 2

Fall Semester

Linear Algebra Differential Equations	Foundations of Science 3	Foundations of Science 4	Core

January Term

General Elective

Spring Semester

ECC: Circuits Bioengineering Principles	ECC: Statics Physical Chemistry	ECC: Conservation Laws Biotransport	Core

Year 3

Fall Semester

Probability and Statistics ECC: Numerical Methods	Foundation of Science 5	Foundation of Science 6	Colloquium

January Term

General Elective

Spring Semester

Bioengineering Elective	Bioengineering Elective	Bioengineering Elective	General Elective

Year 4

Fall Semester

Bioimaging Capstone Design I	Bioengineering Elective	Biomechanics Biomaterials	Core

Spring Semester

Capstone Design II	ECC: Digital logic PDEs for Engineers	Bioengineering Elective	Core

Option 2

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 Ethics	Foundations of Science 2	Colloquium

Year 2

Fall Semester

Linear Algebra Differential Equations	Foundations of Science 3	Foundations of Science 4	Core	January Term General Elective

Spring Semester

ECC: Circuits Bioengineering Principles	ECC: Statics Physical Chemistry	ECC: Conservation Laws Biotransport	Core	

Year 3

Fall Semester

Probability and Statistics ECC: Numerical Methods	Foundation of Science 5	Foundation of Science 6	Colloquium	January Term General Elective

Spring Semester

Bioengineering Elective	Bioengineering Elective	Bioengineering Elective	General Elective	

Year 4

Fall Semester

Bioimaging Capstone Design I	Bioengineering Elective	Biomechanics Biomaterials	Core	

Spring Semester

Capstone Design II	ECC: Digital logic PDEs for Engineers	Bioengineering Elective	Core	