

Electrical Engineering

Option 1

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

Year 1

Fall Semester

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

ECC: Design & Innovation

Spring Semester

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

Fall Semester

Linear Algebra	ECC: Statics ECC: Digital Logic	ECC: Conservation Laws ECC: Circuits	Core
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January Term

General Elective

Spring Semester

Differential Equations	Advanced Digital Logic Complex Variables	Advanced Circuits Discrete Mathematics	EM Physics
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Year 3

Fall Semester

Signals and Systems	Probability & Statistics ECC: Numerical Methods	Electronics	Colloquium
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January Term

General Elective

Spring Semester

Electromagnetics	Analog and Digital Communication	Instrumentation	Core
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Year 4

Fall Semester

Electrical Engineering Elective Capstone Design I	Electrical Engineering Elective	Controls	Core
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Spring Semester

Capstone Design II	Electrical Engineering Elective	General Elective	Core
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At least one additional general elective credit needs to be taken by the student at any semester to meet the graduation requirement of 140 total credits

Option 2

Year 1

Fall Semester

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

Multivariable Calculus	Computer Programing for Engineers Ethics	General Elective	Colloquium
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Year 2

Fall Semester

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

June Term
ECC: Design & Innovation

Spring Semester

Differential Equations	Advanced Digital Logic	Advanced Circuits	EM Physics
	Complex Variables	Discrete Mathematics	

January Term
General Elective

Year 3

Fall Semester

Signals and Systems	Probability & Statistics	Electronics	Colloquium
	ECC: Numerical Methods		

January Term
General Elective

Spring Semester

Electromagnetics	Analog and Digital Communication	Instrumentation	Core
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Year 4

Fall Semester

Electrical Engineering Elective	Electrical Engineering Elective	Controls	Core
Capstone Design I			

Spring Semester

Capstone Design II	Electrical Engineering Elective	General Elective	Core
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At least one additional general elective credit needs to be taken by the student at any semester to meet the graduation requirement of 140 total credits