

Courses in **bold** require minimum grade of C-

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	16	Fall Semester	16	Fall Semester	16	Fall Semester	15
Freshman Clinic 1 (ENGR 01.101)	2	Sophomore Clinic 1 (ENGR 01.201)	4	Junior Clinic (ENGR 01.303)	2	Senior Clinic (ENGR 01.403)	2
Calculus I (MATH 01.130)	4	Calculus III (MATH 01.230)	4	Signals & Systems (ECE 09.341)	2	Engr. Clinic Consultant I (ECE 09.460)	1
Introductory Mechanics I (PHYS 00.220)	4	Science Elective*	4	Intro to Embedded Systems (ECE 09.342)	3	Very Large Scale Integration (ECE 09.414)	3
Intro to Digital Systems (ECE 09.241)	3	Electrical Circuit Analysis (ECE 09.203)	4	Engineering Electromagnetics (ECE 09.303)	3	Electrical Comm. Systems (ECE 09.433)	3
<i>Rowan Core elective</i>	3	<small>*Chem I (Chem06100); Gen Bio: Human Focus (BIOL01.113); Human Anat. & Phys (BIOL10.210); Mod. Physics (PHYS00.300); or Intro Thermo, Fluid, Waves & Op (PHYS 00.221).</small>		ME for ECEs (ME 10.320)	3	Technical Elective (see notes below)	3
				Intro to Microecon, ECON 04.102	3	Technical Elective (see notes below)	3
Spring Semester	17	Spring Semester	17	Spring Semester	15	Spring Semester	16
Freshman Clinic 2 (ENGR 01.102)	2	Sophomore Clinic 2 (ENGR 01.202)	4	Junior Clinic (ENGR 01.303)	2	Senior Clinic (ENGR 01.403)	2
Calculus II (MATH 01.131)	4	Math for Engrg Analysis (MATH 01.235)	4	Systems & Control I (ECE 09.321)	3	Engr. Clinic Consultant II (ECE 09.462)	1
College Comp I (COMP 01111)	3	Data Structures for Engineers (CS04.225)	3	Digital Signal Processing (ECE 09.351)	3	Seminar: Frontiers (ECE 09.498)	1
Intro Elec. & Mag. (PHYS 00.222)	4	Computer Architecture (ECE 09.243)	3	ECE Modules (ECE 09.363)	1	Technical Elective (see notes below)	3
Computer Sci. & Prog (CS 04.103)	4	Electronics I (ECE 09.311)	3	Technical Elective (see notes below)	3	Technical Elective (see notes below)	3
				<i>Rowan Core elective</i>	3	<i>Rowan Core elective</i>	3
							3
Total Credits						128	

University Requirements

The *Rowan Core* is the University's general education model. It is based on six literacies and *Rowan Experience* (see below) that reflect contemporary priorities while maintaining a strong liberal arts foundation. Some literacies are incorporated in your major-specific courses. Others you will fulfill by taking elective courses in the required literacy.

Rowan Core-Literacies

Artistic (ARTL)
Global (GLBL)
Communicative (COML)
Humanistic (HUML)
Quantitative (QNTL)
Scientific (SCIL)

Fulfilled by:

elective
elective
Comp I, SEC I and II
Introduction to Economics-Microeconomics
Calculus I
Introductory Mechanics

Notes

Technical Electives are chosen w/ consent of faculty advisor to meet student and program goals. Certain 400-level CS courses may be taken as a Technical Elective, subject to advisor and department chair approval. Technical Electives may include approved multidisciplinary (non-ECE) engineering courses.

Rowan Experience

Rowan Seminar (RS)
Writing Intensive (WI)
Broad-based lit. (LIT)

Fulfilled by:

Freshman Engineering Clinic I
Senior Engineering Clinic
Literature-designated elective