

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

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	16	Fall Semester	16	Fall Semester	17	Fall Semester	16
Freshman Clinic 1 (ENGR 01101)	2	Sophomore Clinic 1 (ENGR 01201)	4	Junior Clinic (ENGR 01303)	2	Senior Clinic (ENGR 01403)	2
Chemistry I Lecture/Lab (CHEM 06100/CHEM L6100)	4	Calculus III (MATH 01230)	4	Mech. Fdns in BME (BME 11303)	4	CCF Course 2 (see CCF guidelines)	3
Calculus I (MATH 01130)	4	Fdns in Bio for Biomed Sci I (MCB 01101)	4	Elec. Fns in BME (BME 11302)	4	CCF Course 3 (see CCF guidelines)	3
Intro to Sci. Progr. (CS01104)	3	Intro Electr & Magn Lecture/Lab (PHYS 00222/PHYS L0222)	4	Physio. Fdns in BME (BME 11301)	4	CCF Course 4 (see CCF guidelines)	3
Rowan Core elective	3			<i>Rowan Core elective</i>	3	Entrepr. & Innov (ENT06.240)	3
						Sim, Model & Cntrl-Biomed Sys (BME 11411)	2
						Biomedical Engineering Seminar (BME 11100)	0
Spring Semester	17	Spring Semester	16	Spring Semester	15	Spring Semester	17
Freshman Clinic 2 (ENGR 01102)	2	Sophomore Clinic 2 (ENGR 01202)	4	Junior Clinic (ENGR 01303)	2	Senior Clinic (ENGR 01403)	2
Calculus II (MATH 01131)	4	Math for Engrg Analysis (MATH 01235)	4	CCF Course 1 (see CCF guidelines)	3	CCF Course 5 (see CCF guidelines)	3
Introductory Mechanics Lecture/Lab (PHYS 00220/PHYS L0220)	4	Fdns in Bio for Biomed Sci II (MCB 01102)	4	Stats. for Biom. Sciences (STAT 02284)	3	CCF Course 6 (see CCF guidelines)	3
Chemistry II Lecture/Lab (CHEM 06101/CHEM L6101)	4	Chemical Fdns. in BME (BME 11201)	4	Princ. Biomed. Sys. & Dev. (ECE 09404)	3	BioTech/ Science Elective	3
College Comp I (COMP 01111)	3			Advanced Science Elective *	4	Biomedical Ethics (PHIL 09341)	3
				<i>*Organic Chem I or Human Anatomy & Physiology I or II</i>		<i>Rowan Core elective</i>	3
Total Credits							130

University Requirements

The *Rowan Core* is the University's general education model. It is based on six literacies and *Rowan Experience* (see below), which 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)
Humanistic (HUML)
Communicative (COML)
Quantitative (QNTL)
Scientific (SCIL)

Fulfilled by:

elective
elective
elective
Comp I, SEC I and II
Calculus I
Chemistry I

Rowan Experience

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

Fulfilled by:

Freshman Engineering Clinic I
Senior Engineering Clinic
Literature-designated elective (typically, the HUML elective)