

IMPORTANT: Courses in BOLD require minimum grade of C-

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	17	Fall Semester	16	Fall Semester	15	Fall Semester	17
First Year 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	Thermal-Fluid Sciences I (ME 10.321)	6	Systems Dynamics & Control I (ME 10.343)	3
Chemistry (CHEM 06.100)	4	Intro Elect. & Magnetism (PHYS 00.222)	4	Machine Design (ME 10.301)	4	Finite Element Analysis (ENGR 01.410)	3
Computer Sci. & Prog (CS 04.103)	4	Statics (ENGR 01.271)	2	<i>Rowan Core Elective</i>	3	<i>Technical Elective I (see notes below)</i>	3
<i>Rowan Core Elective</i>	3	Dynamics (ENGR 01.291)	2			<i>Technical Elective II (see notes below)</i>	3
						<i>Ethics Elective (see notes below)</i>	3
Spring Semester	16	Spring Semester	16	Spring Semester	17	Spring Semester	14
First Year 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 Engr Analysis (MATH 01.235)	4	Thermal-Fluid Sciences II (ME 10.322)	6	Systems Dynamics & Control II (ME 10.344)	3
College Comp I (COMP 01.111)	3	Strength of Materials (ENGR 01.273)	3	Quality & Reliability (ME 10.342)	3	<i>Technical Elective III (see notes below)</i>	3
Introductory Mechanics I (PHYS 00.220)	4	ME Lab (ME 10.211)	2	<i>Business Elective (see notes below)</i>	3	<i>Technical Elective IV (see notes below)</i>	3
Intro to Mech. Design (ME 10.101)	3	Materials Science & Mfg. (ENGR 01.283)	3	Principles & Apps. of ECE (ECE 09.205)	3	<i>Rowan Core Elective</i>	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), 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 (HURL)
Communicative (COML)
Quantitative (QNTL)
Scientific (SCIL)

Fulfilled by:

Elective
Elective
Elective
Comp I, Sophomore Clinic I and II
Calculus I
Chemistry I

Notes

Ethics Elective examples:
PHIL 09150, 09323, 09341, 09346, 09392 or 09393; INTR 01148 or 01174

Business Elective examples:
ECON 04101 or 04102; INTR 01138; BUS 01105; ENT 06240, 06346 or 06450; MIS 02526

Technical Elective examples:
ENGR 01411 or 10413; ME 10442, 10450, 10443, 10405, 10422, or 10440

Rowan Experience

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

Fulfilled by:

First Year Clinic I
Senior Clinic
Literature-designated elective

Technical Elective (I-IV) Requirements

Approved ENGR, ME, ECE, CHE, CEE, BME 400-level or other approved 400-level courses