

Engineering Entrepreneurship Curriculum Guide - ECE Track

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

Incoming Class Fall 2020 and Beyond

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	16	Fall Semester	15	Fall Semester	14	Fall Semester	14
First-Year Eng 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	ME for ECE's (ME 10.320)	3	Business/Entr Elective	3
Introductory Mechanics I (PHYS 00.220) / Lab (PHYS L0220)	4	Comp Arch (ECE 09.243)	3	Advanced Engineering Elective	3	New Venture Development (ENT 06.426)	3
Computer Sci. & Prog* (CS 04.103)	4	Prin Elec Circuit Anal (ECE 09.203)	4	Principles of Accounting I (ACC 03.210)	3	Math/Science Elective	3
ECE: Solving Tomorrow's Problems (ECE 09.101)	2			Technology Entrepreneurship (ENT 06.450)	3	<i>Rowan Core Elective</i>	3
Spring Semester	15	Spring Semester	17	Spring Semester	15	Spring Semester	14
First-Year Eng 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	Chemistry I (CHEM 06.100)	4	Advanced Engineering Elective	3
College Comp I (COMP 01.111)	3	Entrepr. & Innov (ENT 06.240)	3	Advanced Engineering Elective	3	Advanced Engineering Elective	3
Intro Elec. & Mag. (PHYS 00.222) / Lab (PHYS L0222)	4	Adv Elect: Electronics I (ECE 09.311)	3	Finan. & Legal Aspect of Entrep (ENT 06.342)	3	Business/Entr Elective	3
Intro Dig Sys (ECE 09.241)	2	Principles of Marketing (MKT 09.200)	3	<i>Rowan Core Elective</i>	3	<i>Rowan Core Elective</i>	3
Total Credits						120	

University Requirements

Revised 04 Nov 22

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)
Humanistic (HUML)
Communicative (COML)
Quantitative (QNTL)
Scientific (SCIL)

Fulfilled by:

Rowan Core Elective
Rowan Core Elective
Rowan Core Elective
 Comp I, SEC I and II
 Calculus I
 Introductory Mechanics

Notes:
Rowan Experience

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

Fulfilled by:

First Year Engineering Clinic I
 Senior Engineering Clinic
One Rowan Core Elective above must be LITerature-designated