

Engineering Entrepreneurship Curriculum Guide - ECE Track

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

Incoming Class Fall 2024 and Beyond

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	16	Fall Semester	15	Fall Semester	13	Fall Semester	15
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	Adv Engrg II: ME for ECE's (ME 10.320)	3	New Venture Development (ENT 06.426)	3
Introductory Mechanics I (PHYS 00.220) / Lab (PHYS L0220)	4	Comp Arch (ECE 09.243)	3	Adv Engrg III: Signals & Systems (ECE 09.341)	2	Business/Entr Elective	3
Computer Sci. & Prog* (CS 04.103)	4	Prin Elec Circuit Anal (ECE 09.203)	4	Technology Entrepreneurship (ENT 06.450)	3	Math/Science Elective	4
ECE: Solving Tomorrow's Problems (ECE 09.101)	2			Principles of Accounting I (ACC 03.210)	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 (AE V)	3
Intro Elec. & Mag. (PHYS 00.222) / Lab (PHYS L0222)	4	Entrepreneurship & Innovation (ENT 06.240)	3	Advanced Engineering Elective (AE IV)	3	Advanced Engineering Elective (AE VI)	3
College Comp I (COMP 01.111)	3	Adv Engrg I: Electronics I (ECE 09.311)	3	Finan. & Legal Aspect of Entrep (ENT 06.342)	3	New Product Development (ENGR 01.496)	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 15 May 24

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*