

Engineering Entrepreneurship Curriculum Guide - ECE Track

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

Applicable to incoming Fall '20 Freshmen

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	17	Fall Semester	15	Fall Semester	14	Fall Semester	14
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	ME for ECE's (ME 10320) or Statics/Dynamics	3	Business/Entr Elective	3
Introductory Mechanics I (PHYS 00220)/Lab (PHYS L0220)	4	Intro Dig Sys (ECE 09241)	3	Advanced ECE Core Course	3	Technology Entrepreneurship (ENT 06450)	3
Computer Sci. & Prog* (CS 04.103)	4	Prin Elec Circuit Anal (ECE 09203)	4	Principles of Accounting I (ACC 03210)	3	Math/Science Elective	3
<i>Rowan Core elective</i>	3			New Venture I: Investig thru Dev (ENT 06426)	3	<i>Rowan Core elective</i>	3
Spring Semester	16	Spring Semester	17	Spring Semester	15	Spring Semester	12
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	Math/Science Elective	4	Approved Engineering Elective	3
College Comp I (COMP 01111)	3	Comp Arch (ECE 09243)	3	Approved Engineering Elective	3	Business/Entr Elective	3
Intro Elec. & Mag. (PHYS 00.222)/Lab (PHYS L0222)	4	Electronics I (09311)	3	Finan. & Legal Aspect of Entrep (ENT 06342)	3	Business/Entr Elective	3
Entrepr. & Innov (ENT 06240)	3	Principles of Marketing (MKT 09200)	3	<i>Rowan Core elective</i>	3	Engineering Entr. Clinic Consultant	1
Total Credits						120	

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

Fulfilled by:

elective
elective
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:

Freshman Engineering Clinic I
Senior Engineering Clinic
One Rowan Core elective above must be literature-designated