Rowan University
Henry M. Rowan College of Engineering

Engineering Entrepreneurship Curriculum Guide - ME 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	**17**	**Fall Semester**	**16**	**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	Advanced Engineering I	3	Advanced Engineering IV	3
Introductory Mechanics I (PHYS 00.220) / Lab (PHYS L0220)	4	Statics (ENGR 01.271)	2	Princ. ECE for Non-Majors (ECE 09.205) **or** Mat. Sci. & Mfg. (ENGR 01.283) **or** Intro to Scientific Program: Matlab/CAD (CS 01.104) **or** Strength of Materials (ENGR 01.273)	3	Advanced Engineering V	3
Computer Sci. & Prog (CS 04.103)	4	*Rowan Core Elective*	3	New Venture Development (ENT 06.426)	3	Business/Entr Elective	3
Rowan Core Elective	3	Principles of Accounting I (ACC 03.210)*	3	Technology Entrepreneurship (ENT 06.450)	3	*Rowan Core Elective*	3
		**Student must have Sophomore Status*					
Spring Semester	**16**	**Spring Semester**	**16**	**Spring Semester**	**15**	**Spring Semester**	**12**
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	Math/Science Elective	3	Math/Science Elective	4
College Comp I (COMP 01.111)	3	Princ. ECE for Non-Majors (ECE 09.205) **or** Mat. Sci. & Mfg. (ENGR 01.283) **or** Intro to Scientific Program: Matlab/CAD (CS 01.104) **or** Strength of Materials (ENGR 01.273)	3	Advanced Engineering Elective II (Suggest: *Machine Design ME 10.301*)	4	Advanced Engineering VI	3
Chemistry I (CHEM 06.100)	4	Principles of Marketing (MKT 09.200)	3	Advanced Engineering III	3	Business/Entr Elective	3
Entrepr. & Innov (ENT 06.240)	3	Dynamics (ENGR 01.291)	2	Finan. & Legal Aspect of Entrep (ENT 06.342)	3		
						Total Credits	**120**

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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	**Fulfilled by:**
Artistic (ARTL)	*Rowan Core Elective*
Global (GLBL)	*Rowan Core Elective*
Humanistic (HUML)	*Rowan Core Elective*
Communicative (COML)	Comp I, SEC I and II
Quantitative (QNTL)	Calculus I
Scientific (SCIL)	Chemistry I

Rowan Experience	**Fulfilled by:**
Rowan Seminar (RS)	First Year Engineering Clinic I
Writing Intenstive (WI)	Senior Engineering Clinic
Broad-based Lit. (LIT)	*One Rowan Core Elective above must be LITerature-designated*

Notes: