Rowan University
Henry M. Rowan College of Engineering

Engineering Entrepreneurship Curriculum Guide - ECE Track

F '18

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

First Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	**17**	**Fall Semester**	**15**	**Fall Semester**	**17**	**Fall Semester**	**15**
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	Approved Engineering Elective	3
Introductory Mechanics I (PHYS 00.220)	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	Entr Elective	3
Rowan Core elective	3			New Venture I: Investig thru Dev (ENT 06426)	3	Math/Science Elective	4
				Rowan Core elective	**3**		
Spring Semester	**16**	**Spring Semester**	**17**	**Spring Semester**	**16**	**Spring Semester**	**15**
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	Entr Elective	3
Intro Elec. & Mag. (PHYS 00.222)	4	Electronics I (09311)	3	Engr Entr Clinic Consultant	1	Entr Elective	3
Entrepr. & Innov (ENT 06240)	3	Principles of Marketing (MKT 09200)	3	Finan. & Legal Aspect of Entrep (ENT 06342)	3	ECE Clinic Consultant	1
				Rowan Core elective	3	*Rowan Core elective*	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) 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:**	***Notes:***
Artistic (ARTL)	*elective*	
Global (GLBL)	*elective*	
Humanistic (HUML)	*elective*	
Communicative (COML)	Comp I, SEC I and II	
Quantitative (QNTL)	Calculus I	
Scientific (SCIL)	Introductory Mechanics	

Rowan Experience	**Fulfilled by:**
Rowan Seminar (RS)	Freshman Engineering Clinic I
Writing Intenstive (WI)	Senior Engineering Clinic
Broad-based lit. (LIT)	*One Rowan Core elective above must be literature-designated*

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Engineering Entrepreneurship Curriculum Guide - ME Track

F'18

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First Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	**17**	**Fall Semester**	**15**	**Fall Semester**	**15**	**Fall Semester**	**17**
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	Advanced Engineering I	3	Advanced Engineering IV	3
Introductory Mechanics I (PHYS 00.220)	4	Statics (ENGR 01271)	2	Advanced Engineering II	4	Advanced Engineering V	3
Computer Sci. & Prog (CS 04.103)	4	Dynamics (ENGR 01291)	2	New Venture I: Investig thru Dev (ENT 06426)	3	Technology Entrepreneurship (ENT 06450)	3
Rowan Core elective	3	Principles of Accounting I (ACC 03210)*	3	Entr Elective	3	Entr Elective	3
		*student must have sophomore status				*Rowan Core elective*	3
Spring Semester	**16**	**Spring Semester**	**17**	**Spring Semester**	**15**	**Spring Semester**	**16**
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	Advanced Engineering VI	3
College Comp I (COMP 01111)	3	Strength of Materials (ENGR 01273)	3	Advanced Engineering Elective III	3	Entr Elective	3
Chemistry I (CHEM 06100)	4	Principles of Marketing (MKT 09200)	3	Finan. & Legal Aspect of Entrep (ENT 06342)	3	Math/Science Elective	4
Entrepr. & Innov (ENT 06240)	3	*Rowan Core elective*	3	Princ. ECE for Non-Majors (ECE 09281) or Mat. Sci. & Mfg. (ENGR 01283)	3	Engr Entr Clinic Consultant (12.400)	1
						Rowan Core elective	3
						Total Credits	**128**

University Requirements

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

Rowan Experience	**Fulfilled by:**
Rowan Seminar (RS)	Freshman Engineering Clinic I
Writing Intenstive (WI)	Senior Engineering Clinic
Broad-based lit. (LIT)	*Literature-designated elective*