


ROWAN ECE CURRICULUM - ADVISING & PROGRESS SHEET

FALL	CR	Semester		SPRING	CR	Semester		Grade
		Completed	Grade			Completed	Grade	
FIRST YEAR								
Freshman Engineering Clinic I (ENGR 01.101)	2			Freshman Engineering Clinic II (ENGR 01.102)	2			
Intro. to Digital Systems (ECE 09.241)	3			Computer Sci. & Prog ² (CS 04.103)	4			
Calculus I (MATH 01.130)	4			Calculus II (MATH 01.131)	4			
Introductory Mechanics I (PHYS 00.220)	4			Intro Elec. & Mag. (PHYS 00.222)	4			
General Education (Gen Ed) I ¹	3			College Composition I (COMP 01.111)	3			
Total Units	16			Total Units	17			

SECOND YEAR								
Sophomore Engineering Clinic I (ENGR 01.201) with College Composition II	4			Sophomore Engineering Clinic II (ENGR 01.202) with Public Speaking	4			
Calculus III (MATH 01.230)	4			Math for Eng. Analysis (MATH 01.235)	4			
Science Elective ³	4			Principles of Data Structures (CS 04.225)	3			
Prin. Electrical Circuit Analysis (ECE 09.203)	4			Computer Architecture (ECE 09.243)	3			
				Electronics I (ECE 09.311)	3			
Total Units	16			Total Units	17			

THIRD YEAR								
Junior Engineering Clinic ⁰ (ENGR 01.303)	2			Junior Engineering Clinic ⁰ (ENGR 01.303)	2			
Signals & Systems (ECE 09.341)	2			Systems & Control I (ECE 09.321)	3			
Intro. to Embedded Systems (ECE 09.342)	3			Digital Signal Processing (ECE 09.351)	3			
Engineering Electromagnetics (ECE 09.303)	3			ECE Elective / CpE ⁴	3			
Mech. Engineering for ECEs (ME 10.320)	3			Modules in ECE (ECE 09.363) ⁵	1			
Microeconomics, ECON 04.102 Gen Ed II	3			Gen Ed / Rowan Exp III ¹	3			
Total Units	16			Total Units	15			

FOURTH YEAR								
Senior Engineering Clinic ⁰ (ENGR 01.403)	2			Senior Engineering Clinic ⁰ (ENGR 01.403) (WI ¹)	2			
Engineering Clinic Consultant I (ECE 09.460)	1			Engineering Clinic Consultant II (ECE 09.462)	1			
VLSI Design (ECE 09.414)	3			Seminar: Frontiers (ECE 09.498)	1			
Electrical Communication Systems (ECE 09.433)	3			ECE Elective ⁴	3			
ECE Elective / EE ⁴	3			ECE Elective / Tech Focus	3			
ECE Elective ⁴	3			General Education IV ¹	3			
				General Education V ¹	3			
Total Units	15			Total Units	16			

General Education Requirements (Fill in the course information below)								
SBS 1: Microeconomics	3			SBS 2:	3			
HHL 1:	3			HHL 2:	3			
ACE:	3			LIT:				
MC/G:				Multidisciplinary / Out of Discipline⁶				
Total Program Credits: 128				Multidisciplinary / Out of Discipline experience satisfied by:				

Notes:

- Courses listed in **bold face** need to be completed with a minimum grade higher than D+ (C or C-, depending on the course) to satisfy the prerequisites of one or more subsequent courses.
- Junior Engineering Clinic and Senior Engineering Clinic must each be taken twice, once in Fall and once in Spring. □
 - General Education courses chosen to satisfy banks of Social and Behavioral Science (SBS), 6 SCH; History, Humanities, and Language (HHL), 6 SCH; and Artistic and Creative Experience (ACE), 3 SCH. Also must satisfy Multicultural/Global (MC/G), Literature (LIT), and Writing Intensive (WI - satisfied by SEC II) requirements. Write courses taken above.
 - Java-based language course if available.
 - Choose from: CHEM 06.100 College Chemistry I, BIOL 01.112 General Biology, Environmental Focus, BIOL 01.113 General Biology, Human Focus; BIOL 01.115 General Biology – Plants and People; BIOL 10.210 Human Anatomy and Physiology; PHYS 00300 Modern Physics; PHYS 00221 Introductory Thermo, Fluid, Wave and Optics.
 - The ECE program requires a total of five technical electives that can be broadly categorized as Computer Engineering (CpE), Electrical Engineering (EE), Electrical and Computer Engineering (ECE) or Tech Focus electives. The categorization is not a requirement, but just a suggestion to have a broad background. An EE/CpE elective is a class that focuses on core electrical/computer engineering topics, whereas an ECE elective is any elective offered by the ECE Department that may or may not fall within traditional EE / CpE boundaries. A Tech Focus elective is an elective that may include multidisciplinary (non-ECE) engineering courses. ECE Department suggests taking at least one CpE and one EE elective among the five total electives.
 - STAT 02.260 Statistics I may be substituted for ECE 09.363 Modules in ECE
 - OOD / Multidisciplinary experience requirement can be satisfied by either
 - Participating in one out-of-discipline clinic project
 - Providing consulting services to a non-ECE clinic or other research project through Clinic Consultant;
 - Taking a non-ECE class as an elective, or an elective offered by the ECE Department but one that is clearly outside of the traditional boundaries of ECE providing non-ECE content (such as bioinformatics, biomedical systems and devices)
 - Completing a Minor in any field (which automatically satisfied item (c) above)

Your notes from meetings with your Advisor (Make sure that your advisor enters these to your record on GRAD)								