

ELECTRICAL AND COMPUTER ENGINEERING DEGREE AUDIT

Name:

BANNER ID:

Indicate Grade for Rowan Course; Transfer Course/Off-campus = TR; Advanced Placement = AP
 Indicate General Education courses = GenEd: History, Humanities, Language = HHL1, HHL2;
 Social & Behavioral Sciences = SBS, Art, Music, Theatre, etc = ART;
 Multicultural/Global = MG, Literature intensive = LIT, Senior Clinic II = Writing Intensive, WI

FIRST YEAR

FALL		2	3	4	SPRING		2	3	4
Freshman Engineering Clinic I (ENGR01.101)		2			Freshman Engineering Clinic II (ENGR01.102)		2		
Accelerated Calculus I (MATH01.140)		4			Accelerated Calculus II (MATH01.141)		4		
Adv. College Chemistry I (CHEM06.105)		4			Introductory Mechanics (PHYS02.200)		4		
Composition I (ENGL01.111)		3			Computer Science and Programming (CS04.103)		4		
Digital I (ECE09.241)		3			Gen Ed / Rowan Exp I ¹		3		
Total		16			Total		17		

SECOND YEAR

FALL		2	3	4	SPRING		2	3	4
Sophomore Engineering Clinic I (ENGR01.201)		4			Sophomore Engineering Clinic II (ENGR01.202)		4		
Math for Engineering Anal I (MATH01.235)		4			Math for Engineering Anal II (MATH01.236)		4		
Electricity and Magnetism (PHYS02.201)		4			Statics (ENGR01.271)		2		
Network I (ECE09.201)		2			Dynamics (ENGR01.291)		2		
Network II (ECE09.202)		2			Electronics I (ECE09.311)		3		
Total		16			Total		15		

THIRD YEAR

FALL		2	3	4	SPRING		2	3	4
Junior Engineering Clinic I (ENGR01.301)		2			Junior Engineering Clinic II (ENGR01.302)		2		
Engineering Clinic Consultant I ³ (ECE09.360)		1			Engineering Clinic Consultant II ³ (ECE09.362)		1		
Systems & Control I (ECE09.321)		3			Digital Signal Processing (ECE09.351)		3		
Engineering Electromagnetics (ECE09.303)		3			Electrical Communication Systems (ECE09.331)		4		
Data Structures for Engineers ² (CS04.225)		3			Digital II: Microprocessors (ECE09.242)		3		
Computer Architecture I (ECE09.443)		2			Gen Ed / Rowan Exp III ¹		3		
Gen Ed / Rowan Exp II (Microecon ECON04.102)		3							
Total		17			Total		16		

FOURTH YEAR

FALL		2	3	4	SPRING		2	3	4
Senior Engineering Clinic I (ENGR01.401)		2			Senior Engineering Clinic II (ENGR01.402) (WI)		2		
Engineering Clinic Consultant III ³ (ECE09.460)		1			Engineering Clinic Consultant IV ³ (ECE09.462)		1		
CpE Core Elective ⁴		3			Seminar: Engineering Frontiers (ECE09.498)		1		
CpE Elective ⁴		3			ECE Elective ⁴		3		
EE Core Elective ⁴		3			Technology Focus Elective ⁵		3		
Technology Focus Elective ⁵		3			Gen Ed / Rowan Exp IV ¹		3		
					Gen Ed / Rowan Exp V ¹		3		
Total		15			Total		16		

TOTAL **128**

Cumulative GPA

General Education Checklist

Notes:

1. General Education courses chosen to satisfy banks of Social and Behavioral Science (SBS), 6 SCH; History, Humanities, and Language (HHL), SCH; and Artistic and Creative Experience (ACE), 3 SCH. Also must satisfy Multicultural/Global (MC/G), Literature (LIT).
2. Java-based language course if available.
3. Clinic consultant is a 1-hour experience guided by the ECE Discipline Managers.
4. Computer Engineering (CpE), Electrical Engineering (EE), and Electrical and Computer Engineering (ECE) electives are chosen w/ consent of advisor to meet student and program goals. CpE electives may include approved CS courses.
5. Technology Focus Electives are chosen w/ consent of advisor to meet student and program goals and are typically multidisciplinary engineering or interdisciplinary courses.

6		ACE
		SBS
		HHL-1
		HHL-2
		LIT
		MG