

RCSJ-GC ENGINEERING SCIENCE

*Associate in Science (A.S.) - Transfer
Course Schedule at RCSJ-GC*

FIRST YEAR - Fall Semester			FIRST YEAR - Spring Semester		
Course #	Course Name	Cr	Course #	Course Name	Cr
CHM 111	General Chemistry I	4	MAT 122	Calculus II	4
CSC 205	C++ Programming	4	PHY 201	Physics with Calculus I	4
ENG 101	English Composition I	3	ENR 103	First Year Engineering Clinic II	2
MAT 108	Calculus I	4	MAT 202	Linear Algebra	3
ENR 102	First Year Engineering Clinic I	2	ENR 108	Digital Electronics	3
	Total Credits	17		Total Credits	16
SECOND YEAR - Fall Semester			SECOND YEAR - Spring Semester		
Course #	Course Name	Cr	Course #	Course Name	Cr
ENG 102	English Composition II	3	MAT 205	Differential Equations	4
ENR 201	Sophomore Engineering Clinic I	1	SPE 101	Oral Communication	3
MAT 221	Calculus III	4	ENR 202	Sophomore Engineering Clinic II	1
PHY 202	Physics with Calculus II	4	PHI 104	Ethics	3
CSC 220	Data Struct	4		Humanities	3
	Humanities	3	ENR 218	Prin. Of Electronics	4
	Total Credits	19		Total Credits	18

ROWAN UNIVERSITY - ELECTRICAL & COMPUTER ENGINEERING

Course Schedule at Rowan University

SUMMER before RU					
Course #	Course Name	Cr			
ECE 09311	Electronics	3			
ECE 09243	Comp Arch	3			
	Total Credits	6			
THIRD YEAR - Fall Semester			THIRD YEAR - Spring Semester		
Course #	Course Name	Cr	Course #	Course Name	Cr
ECE 09.341	Signals & Systems	2	ENGR 01.303	Junior Clinic	2
ECE 09342	Intro to Embedded Systems	3	ECE 09321	Systems & Control I	3
ENGR 01303	Junior Clinic	2	ECE 09351	Dig Sig Proc	3
ECE 09.303	EGR Electromagnetics	3	ECE09363	ECE Modules	1
ME 10320	ME for ECEs	3		Technical Elective	3
ECON 04102	Intro to Microecon	3	STAT02286	Prob. & Stat for ECE	3
	Total Credits	16		Total Credits	15
FOURTH YEAR - Fall Semester			FOURTH YEAR - Spring Semester		
Course #	Course Name	Cr	Course #	Course Name	Cr
ENGR 01403	Senior Clinic - WI	2	ENGR 01403	Senior Clinic - WI	2
ECE 09461	Engineering Clinic Consultant	1	ECE 09462	Engineering Clinic Consultant II	1
ECE 09414	Very Large Scale Integration	3	ECE 09498	Seminar: Frontiers	1
	Technical Elective	3	ECE 09433	Electrical Communication Systems	3
	Technical Elective	3		Technical Elective	3
ECE 09433	Elect Comm Systems	3		Technical Elective	3
				Rowan Core Elective	3
	Total Credits	15		Total Credits	16

Note: This is intended for guidance purposes only. All students should consult with their advisors before registration.

Note: Rowan University has established a new general education curriculum called the Rowan Core. The policy at Rowan remains that if a student has been awarded a degree at a partner institution and has completed the general education requirements there, they will have met the general education requirements here. Students must, however, meet additional graduation requirements in fulfillment of the Rowan Experience.

Note: RCSJ-GC's Sophomore Engineering Clinic I plus English Comp. II=RU Sophomore Clinic I; RCSJ-GC's Sophomore Engineering Clinic II plus Oral Communication = RU's Sophomore Engineering Clinic II

Note: MAT 202 Linear Algebra and MAT 205 Differential Equations at RCSJ-GC are equivalent to MEA at Rowan University

Note: ENR 102 and ENG 201 would match ENGR 01.201; ENR 202 and SPE 101 would match ENGR 01.202

Note: RCSJ-GC PHI 104 Ethics will count as RU PHIL 0925 Intro to Ethics

Note: CHM 111 Gen Chem counts as a science elective at Rowan University.

Note: CSC 220 Data Structures transfers to Rowan University as CS04.222/CS04.225

Note: RCSJ-GC's ENR218 = RU's ECE09203

Note: RCSJ-GC's ENR108 = RU's ECE09241

Updated: April 14, 2021