

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	CHM 112	General Chemistry 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 122	Calculus II	4
ENR 102	First Year Engineering Clinic I	2		Humanities	3
	Total Credits	17		Total Credits	17
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
CHM 201	Organic Chemistry I	4	ENR 202	Sophomore Engineering Clinic II	1
MAT 221	Calculus III	4	CHM 202	Organic Chemistry II	4
MAT 202	Linear Algebra	3	PHI 104	Ethics	3
				Humanities	3
	Total Credits	15		Total Credits	18
ROWAN UNIVERSITY - CHEMICAL ENGINEERING					
<i>Course Schedule at Rowan University</i>					
BEFORE Transferring into RU					
Course #	Course Name	Cr			
CHE06201	Prin Chem Proc I	2			
CHE06202	Prin Chem Proc II	2			
CHE06241	ChE Fluid Mech	2			
	Total Credits	6			
THIRD YEAR - Fall Semester			THIRD YEAR - Spring Semester		
Course #	Course Name	Cr	Course #	Course Name	Cr
ENGR 01303	Junior Clinic	2	ENGR 01303	Junior Clinic	2
CHE 06309	Process Fluid Transport	2	CHE 06314	Separation Processes II	3
CHE 06310	ChE Thermodynamics I	3	CHE 06315	ChE Thermodynamics II	3
CHE 06311	Heat Transfer Processes	3	CHE 06316	Chem Reaction Engineering	4
CHE 06312	Separation Processes I	2	CHE 06381	ChE Materials	2
CHE 06385	ChE Modeling	2			
	Total Credits	14		Total Credits	14
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
CHE06401	Chem. Process Component Design	3	CHE06406	Chemical Plant Design	3
CHE06405	Process Dynamics & Control	3	CHE06403	Unit Opns Exper. Design & Analysis	3
CHE06407	Chem Process Safety	2	CHE06440 - CHE06495, or CHE06402	Approved ChE Elective II	3
CHE06440 - CHE06495, or CHE06402	Approved ChE Elective I	3	CHE06440 - CHE06495, or CHE06402	Approved ChE Elective III	3
	Rowan Core Elective	3			
	Total Credits	16		Total Credits	14

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

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

Updated: April 14, 2021