

## 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	BIO 101	Biology	4
ENR 102	First Year Engineering Clinic I	2	MAT 122	Calculus II	4
	<b>Total Credits</b>	<b>17</b>		<b>Total Credits</b>	<b>18</b>
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	ENR 202	Sophomore Engineering Clinic II	1
PHY 202	Physics with Calculus II	4	PHI 104	Ethics	3
MAT 221	Calculus III	4		Humanities	3
MAT 202	Linear Algebra	3	BIO 102	Biology II	4
	Humanities	3		Free Elective	3
	<b>Total Credits</b>	<b>18</b>		<b>Total Credits</b>	<b>18</b>
Certificate Program					
Course #	Course Name	Cr			
SPE101	Oral Communication	3			
	<b>Total Credits</b>	<b>3</b>			
ROWAN UNIVERSITY - BIOMEDICAL ENGINEERING					
<i>Course Schedule at Rowan University</i>					
SUMMER before RU					
Course #	Course Name	Cr			
BME 11201	Chemical Foundations in BME	4			
BME 11301	Physiological Foundations in BME	4			
	<b>Total Credits</b>	<b>8</b>			
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
BME 11303	Mech. Fdns in BME	4		CCF Course 1 (see CCF guidelines)	3
BME 11302	Elec. Fdns in BME	4		CCF Course 2 (see CCF guidelines)	3
	Physiology or Chemistry Elective	4	ENT 06240	Entrepr. & Innov	3
				Rowan Core Elective	3
	<b>Total Credits</b>	<b>14</b>		<b>Total Credits</b>	<b>14</b>
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
	CCF Course 3 (see CCF guidelines)	3		CCF Course 5 (see CCF guidelines)	3
	CCF Course 4 (see CCF guidelines)	3	BME 11411	Modeling and Simulation for Analysis and Design in BME	4
PHIL 09341	Biomedical Ethics	3		Rowan Core Elective	3
BME 11.100	Biomedical Engineering Seminar	1			
STAT 02284	Statistics for Biomedical Sciences	3			
	<b>Total Credits</b>	<b>15</b>		<b>Total Credits</b>	<b>12</b>

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: BME 11201 and BME 11301 courses are offered online at RU over the summer

Updated: April 14, 2021