

Rowan College South Jersey Advising Matrix Engineering Majors Planning to Transfer to Rowan University

		As of May 2022					
		Credits	Mechanical	Electrical/ Comp Eng	Civil	Chemical	BioMedical
Semester #1 Fall Semester	ENR102 First Year Eng. Clinic I	2	X	X	X	X	X
	CSC205 C++ Prog	4	X	X	X	X	X
	ENG101 Eng Comp I	3	X	X	X	X	X
	CHM 111 Gen Chem	4	X	X (3)	X	X	X
	MAT108 Calculus I	4	X	X	X	X	X
			17	17	17	17	17
Semester #2 Spring Semester	ENR103 First Year Eng. Clinic II	2	X	X	X	X	X
	MAT122 Calculus II	4	X	X	X	X	X
	PHY201 Physics w/Calc I	4	X	X	X	X	X
	CHM112 Gen Chem II	4				X	X
	ENR207 Eng Materials	3	X (1)		X (1)		
	CET108 Survey	3			X		
	ENR108 Digital Electronics	3		X			
	MAT202 Linear Algebra	3	X	X			
	Humanities	3	X			X	
	BIO101 Biology	4					X
			19	16	16	17	18
Semester #3 Fall Semester	ENR201 Soph Clinic I	1	X	X	X	X	X
	ENG102 Eng Comp II	3	X	X	X	X	X
	MAT221 Calculus III	4	X	X	X	X	X
	PHY202 Physics w/Calc II	4	X	X			X
	GEO115 Intro to GIS	3			X		
	CHM201 Organic Chem I	4				X	
	MAT202 Linear Algebra	3				X	X
	CSC220 Data Struct	4		X (4)			
	ENR211 Statics	3	X		X		
Humanities	3	X	X	X		X	
			18	19	17	15	18
Semester #4 Spring Semester	ENR202 Soph Clinic II	1	X	X	X	X	X
	MAT205 Diff Equat	4	X	X	X	X	X
	PHI104 Ethics	3	X	X	X	X	X
	Humanities or Social Sciences	3	X	X	X	X	X
	ENR212 Mech of Materials	3	X (5)		X (2)		
	ENR213 Dynamics	3	X		X		
	CHM202 Organic Chem II	4				X	
	ENR218 Principles of Electronics	4		X			
	Free Elective	3					X
	BIO102 Biology II	4					X
SPE101 Oral Communication	3		X		X		
			17	17	17	18	18
Certificate Programs							
	DFT103 Drafting	3			X		
	SPE101 Oral Communication	3	X		X		X
	MAT202 Linear Algebra	3			X		
			74	69	76	67	74

(1) Transfers to Rowan as ENGR 01.283 Materials Science & Manufacturing (Mechanical)
(counts as ENGR 01.281 for Civil Majors)

(2) Transfers to Rowan Civil Engineering as ENGR 01.272 Solid Mechanics

(3) Counts as a Science Elective at Rowan Electrical Engineering (could also take BIO 101 instead)

(4) Transfers to Rowan Electrical Engineering as CS04.222/CS04.225

(5) Transfers to Rowan Mechanical Engineering as ENGR01.273 Strength of Materials

Additional Courses that will need to be taken once you have transferred to Rowan

Mechanical Engineering - ME10.101, ME 10.211, ECE 09.205 (Online Summer), ME10.310

Electrical/Computer Engineering - ECE 09.311 (Electronics -Online Summer), ECE 09.243 (Comp Archit)

Civil Engineering - CEE 08.305 (Civ Eng Systems)

BioMed Engineering - BME 11.301, BME 11.201 (Summer)

Chemical Engineering - CHE 06.201(or Summer CHE 06.2030), CHE 06.202, CHE 06.241

If you are planning to transfer to a different school, please check with the specific department at your transfer school for more information.

Any questions?? Please contact your advisor, Dean Diane Trace, or Prof. Gayle Hughes