

CIVIL & ENVIRONMENTAL ENGINEERING CURRICULUM

Bold = minimum grade of C-

FIRST YEAR			
FALL	CR	SPRING	CR
Calculus I MATH 01.130	4	Calculus II MATH 01.131	4
College Chemistry I CHEM06.100	4	Introductory Mechanics PHYS 00.220	4
Fresh. Engineering Clinic I ENGR01.101	2	Fresh. Engineering Clinic I ENGR01.102	2
Intro to Scientific Prog. CS01.104	3	Composition I COMP01.111	3
Intro to Mapping & GIS GEO 16.160	3	Intro to Infrastructure CEE08.101	2
Total	16	TOTAL	15

SECOND YEAR			
FALL	CR	SPRING	CR
<i>Science Elective¹</i>	4	Engineering Graphics CEE 08.102	2
Calculus III MATH 01.230	4	Math for Engrg Analysis MATH01.235	4
Statics ENGR01.271	2	Field Surveying CEE 08.103	2
Civil Engineering Systems CEE08.305	3	Dynamics ENGR01.291	2
Soph. Engineering Clinic I ENGR01.201	4	Soph. Engineering Clinic II ENGR01.202	4
		Solid Mechanics ENGR01.272	2
TOTAL	17	TOTAL	16

THIRD YEAR			
FALL	CR	SPRING	CR
Junior Engineering Clinic ENGR01.303	2	Junior Engineering Clinic ENGR01.303	2
Structural Analysis CEE08.382	3	Anal. & Design Steel Frames CEE08.383	3
Fluid Mechanics I ENGR01.341	2	Water Resources Engineering CEE08.342	3
Environmental Engineering I CEE08.311	3	Sustainable Civil/Env Engineering CEE08.312	3
Intro to Microeconomics ECON04.102*	3	Transportation Engineering CEE08.361	3
Civil Engineering Materials CEE08.301	2	Geotechnical Engineering CEE08.351	3
Materials Science ENGR01.281	2		
TOTAL	17	TOTAL	17

FOURTH YEAR			
FALL	CR	SPRING	CR
CE Design Project I CEE08.491	2	CE Design Project II CEE08.492	2
Civil Engineering Practice CEE08.490	1	Technical Elective	3
Civil Engineering Elective	3	Civil Engineering Elective	3
Civil Engineering Elective	3	Civil Engineering Elective	3
Sr Engineering Clinic ENGR01.403	2	Sr Engineering Clinic ENGR01.403	2
<i>Rowan Experience (Broad Base LIT)</i>	3	<i>Free elective (____)</i>	3
<i>Rowan Core (Global Literacy)</i>	3		
TOTAL	17	TOTAL	16

TOTAL 131

¹Chemistry II CHEM06.101; Intro. to Electricity and Magnetism PHY02.201; or Intro. to Thermodynamics, Fluids, Waves, and Optics PHY02.210

Civil Engineering Electives (4 Required)

CEE electives must be selected from the available courses in civil engineering. Students should take at least 1 course each in 2 of the following three areas: transportation, geotechnical, and water resources. This implies the following:
Water+ Transportation or Water+Geo or Geo + Transportation

Tech Elective- This is a 300 or higher level engineering or science course.

Check CEE website for course suggestions