

CIVIL ENGINEERING DEGREE AUDIT

Bold (red)/shaded - Course grade C- or better will be needed to satisfy prerequisite requirements

FIRST YEAR

FALL First Year

First Year Engineering Clinic I <i>ENGR01101</i>	2	
Calculus I <i>MATH01130</i>	4	
Chemistry I <i>CHEM06100</i> (lab <i>CHEM L6100</i>)	4	
Intro. to Programming/Prob Slv <i>CS01104</i>	3	
Rowan Core (recomm: Intro to Mapping/GIS <i>GEOG06160</i>)	3	
Total	16	
Cumulative GPA		

SPRING First Year

First Year Engineering Clinic II <i>ENGR01102</i>	2	
Calculus II <i>MATH01131</i>	4	
Introductory Mechanics <i>PHYS00220</i> / lab <i>PHYS L0220</i>)	4	
Composition I <i>COMP01111</i>	3	
Total	13	
Cumulative GPA		

SECOND YEAR

FALL Soph

Soph. Engineering Clinic I <i>ENGR01201</i>	4	
Calculus III <i>MATH01230</i>	4	
Science Elective (see options below)	4	
Statics <i>ENGR01271</i>	2	
Civil Engineering Systems <i>CEE08305</i>	3	
Total	17	
Cumulative GPA		

SPRING Soph

Soph. Engineering Clinic II <i>ENGR01202</i>	4	
Math for Engineering Analysis <i>MATH01235</i>	4	
Engineering Graphics <i>CEE08102</i>	2	
Field Surveying <i>CEE08103</i>	2	
Dynamics <i>ENGR01291</i>	2	
Solid Mechanics <i>ENGR01272</i>	2	
Total	16	
Cumulative GPA		

THIRD YEAR

FALL Junior

Junior Engineering Clinic <i>ENGR01303</i>	2	
Rowan Core (<i>HUML</i>)	3	
Fluid Mechanics <i>ENGR01341</i>	2	
Materials Science <i>ENGR01281</i>	2	
Civil Engineering Materials <i>CEE08301</i>	2	
Structural Analysis <i>CEE08382</i>	3	
Total	14	
Cumulative GPA		

SPRING Junior

Junior Engineering Clinic <i>ENGR01303</i>	2	
Water Resources Engineering <i>CEE08342</i>	3	
Environmental Engineering 1 <i>CEE08311</i>	3	
Transportation Engineering <i>CEE08361</i>	3	
Geotechnical Engineering <i>CEE08351</i>	3	
Anal. and Design Steel Frames <i>CEE08383</i>	3	
Total	17	
Cumulative GPA		

FOURTH YEAR

FALL Senior

Senior Engineering Clinic I <i>ENGR01403</i>	2	
CE Design Project I <i>CEE08491</i>	2	
Civil Engineering Practice <i>CEE08490</i>	1	
Civil Engineering Elective	3	
Civil Engineering Elective	3	
Rowan Exp (Broad Base LIT)	3	
Total	14	
Cumulative GPA		

SPRING Senior

Senior Engineering Clinic II <i>ENGR01403</i>	2	
CE Design Project II <i>CEE08492</i>	2	
Civil Engineering Elective	3	
Civil Engineering Elective	3	
Rowan Core (Global Literacy)	3	
Total	13	
Cumulative GPA		

TOTAL	120
Cumulative GPA	

Science Elective options:

Gen Biology: Envir Focus *BIOL 01112*; Gen Biology: Human Focus *BIOL 01113*; Human Anatomy and Physiology I *BIOL 01210*; Earth Science Lab I *GEOG 06130*; Physical Geology *GEOL 01101*; Foundations in Biology for Biomedical Sciences I *MCB 01101*; Biophysics II *PHYS 00360*

ROWAN CORE LITERACIES

QNTL: Calculus I
SCIL: Chemistry I
COMM: Composition I, SEC I, SEC II
ARTL: Intro Mapping/GIS (recommended)
HUML: student selects
GLBL: student selects

ROWAN EXPERIENCE

LIT: student selects
WI: Senior Engineering Clinic

Depth Requirements (need three)

Environmental	
Water Resources	
Transportation	
Geotechnical	

CEE Elective options linked below:

<https://engineering.rowan.edu/programs/civilenvironmental/undergraduate/cee-electives.html>

<https://tableaudash.rowan.edu/#/views/RowanCoreCourses/RowanCoreCoursesDashboard?iid=1>