

Curriculum Overview



Students entering Fall 2026 and beyond

► First Year			
FALL	CR	SPRING	CR
First-year Engineering Clinic I – ENGR 01.101	2	First-year Engineering Clinic II – ENGR 01.102	2
Calculus I – MATH 01.130	4	Calculus II – MATH 01.131	4
Chemistry I- CHEM 06.100	4	Introductory Mechanics - PHYS 00.220	4
Intro to Programming/Problem Solving - CS 01.104	3	Composition I - COMP 01.111	3
Rowan Core elective (ARTL)	3	Introduction to Civil Engineering - CEE08.101	2
TOTAL	16	TOTAL	15

► Second Year			
FALL	CR	SPRING	CR
Sophomore Engineering Clinic II – ENGR 01.201	4	Sophomore Engineering Clinic II – ENGR 01.202	4
Calculus III – MATH 01.230	4	Math for Engineering Analysis I – MATH 01.235	4
Science Elective (see options below)	4	Strength of Materials - ENGR 01.273	3
Statics and Dynamics - ENGR 08.271	3	Civil Engineering Systems - CEE 08.305	3
TOTAL	15	TOTAL	14

► Third Year			
FALL	CR	SPRING	CR
Junior Engineering Clinic – ENGR 01.303	2	Junior Engineering Clinic – ENGR 01.303	2
Rowan Core (GLBL)	3	Water Resources Engineering - CEE 08.342	3
Fluid Mechanics for Civil Engineers - CEE 08.341	3	Environmental Engineering - CEE 08.311	3
Material Science - ENGR 01.281	2	Transportation Engineering - CEE 08.361	3
Construction Materials - CEE 08.306	3	Geotechnical Engineering - CEE 08.351	3
Structural Analysis - CEE 08.382	3	Steel Design - CEE 08.383	3
TOTAL	16	TOTAL	17

► Fourth Year			
FALL	CR	SPRING	CR
Senior Engineering Clinic - ENGR 01.403	2	Senior Engineering Clinic – ENGR 01.403	2
Civil Engineering Practice - CEE 08.490	1	Civil Engineering Capstone Design- CEE 08.494	4
Civil Engineering Elective	3	Civil Engineering Elective	3
Civil Engineering Elective	3	Civil Engineering Elective	3
Rowan Exp. (Broad Base LIT)	3	Rowan Core (HUML)	3
TOTAL	12	TOTAL	15

TOTAL PROGRAM CREDITS

120

Science Elective:

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