

CIVIL ENGINEERING DEGREE AUDIT

Banner ID

Indicate Grade for Rowan Course; Transfer Course/Off-campus = TR, Advanced Placement = AP

Indicate General Education / Rowan Experience courses = GenEd / Rowan Exp; History, Humanities, Language = HHL1, HHL2;

Social & Behavioral Sciences = SBS, Art, Music, Theatre, etc = ACE;

Multicultural/Global = MG, Literature intensive = LIT, Senior Clinic II = Writing Intensive, WI

FIRST YEAR

FALL Freshman

Fresh. Engineering Clinic I *ENGR01.101* 2
 Accelerated Calculus I *MATH01.140* 4
 Adv. College Chemistry I *CHEM06.105* 4
 Composition I *ENGL01.111* 3
 Intro to Mapping & GIS *GEOG06.193* 3

Total 16

Cumulative GPA

SPRING Freshman

Fresh. Engineering Clinic II *ENGR01.102* 2
 Accelerated Calculus II *MATH01.141* 4
 Introductory Mechanics *PHYS02.200* 4
 Intro. to Scientific Programming *CS04.104* 3
 Gen Ed / Rowan Exp (____) 3

Total 16

SECOND YEAR

FALL Soph

Soph. Engineering Clinic I *ENGR01.201* 4
 Math for Engineering Anal I *MATH01.235* 4

 Science Elective 4
 Statics *ENGR01.271* 2
 Civil Engineering Systems *CEE08.305* 3

Total 17

Cumulative GPA

SPRING Soph

Soph. Engineering Clinic II *ENGR01.202* 4
 Math for Engineering Anal II *MATH01.236* 4
 Engineering Graphics *CEE08.102* 2
 Field Surveying *CEE08.103* 2
 Dynamics *ENGR01.291* 2
 Solid Mechanics *ENGR01.272* 2

Total 16

THIRD YEAR

FALL Junior

Junior Engineering Clinic I *ENGR01.301* 2
 Structural Analysis and Design *CEE08.382* 3
 Fluid Mechanics I *ENGR01.341* 2
 Environmental Engineering 1 *CEE08.311* 3
 Microeconomics *ECON04.102* 3
 Civil Engineering Materials *CEE08.301* 2
 Materials Science *ENGR01.281* 2

Total 17

Cumulative GPA

SPRING Junior

Junior Engineering Clinic II *ENGR01.302* 2
 Anal. and Design Steel Frames *CEE08.383* 3
 Water Resources Engineering *CEE08.342* 3
 Environmental Engineering II *CEE08.312* 3
 Transportation Engineering *CEE08.361* 3
 Geotechnical Engineering *CEE08.351* 3

Total 17

FOURTH YEAR

FALL Senior

Senior Engineering Clinic I *ENGR01.401* 2
 CE Design Project I *CEE08.491* 2
 Civil Engineering Practice *CEE08.490* 3
 Civil Engineering Elective 3
 Civil Engineering Elective 3
 Gen Ed / Rowan Exp (____) 3

Total 16

SPRING Senior

Senior Engineering Clinic II *ENGR01.402* 2
 CE Design Project II *CEE08.492* 2
 Civil Engineering Elective 3
 Civil Engineering Elective 3
 Technical Elective 3
 Gen Ed / Rowan Exp (____) 3

Total 16

TOTAL 131

Cumulative GPA

Science Elective

Adv. College Chemistry II *CHEM06.106*; Introduction to Electricity and Magnetism *PHY02.201*; or Introduction to Thermodynamics, Fluids, Waves, and Optics *PHY02.210*

Civil Engineering Electives (4 Required)

Additional CEE electives must be selected from the available course in civil engineering. Electives must be selected so that student takes at least one course each in two of the following three areas: transportation, geotechnical, and water resources

HHL1
 HHL2
 ACE
 LIT
 MG
 SBS