

CIVIL & ENVIRONMENTAL ENGINEERING CURRICULUM
Bold = minimum grade of C-

FIRST YEAR			
FALL	CR	SPRING	CR
Composition I COMP01.111	3	Introductory Mechanics PHYS 00.220	4
Calculus I MATH 01.130	4	Calculus II MATH 01.131	4
College Chemistry I CHEM06.100	4	Intro to Infrastructure CEE08.101	2
Fresh. Engineering Clinic I ENGR01.101	2	Fresh. Engineering Clinic II ENG01.102	2
Intro to Mapping & GIS GEO06.193*	3	Intro to Scientific Prog. CS01.104	3
Total	16	TOTAL	15

SECOND YEAR			
FALL	CR	SPRING	CR
<i>Science Elective</i> ¹	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 I ENGR01.301	2	Junior Engineering Clinic II ENGR01.302	2
Structural Analysis & Design 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	3
Civil Engineering Practice CEE08.490	1	Technical Elective	2
Civil Engineering Elective	3	Civil Engineering Elective	3
Civil Engineering Elective	3	Civil Engineering Elective	3
Sr Engineering Clinic I ENGR01.401	2	Sr Engineering Clinic II ENGR01.402	2
<i>General Education (___)</i>	3	<i>General Education (___)</i>	3
<i>General Education (___)</i>	3		
TOTAL	17	TOTAL	16

TOTAL 131

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

*satisfies 3 cr of SBS

Civil Engineering Electives (4 Required)

Additional CEE electives must be selected from the available courses 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

