

Sample Program in Civil Engineering for Freshmen entering in Fall 2019

Freshman Year

Fall			Spring		
110.108	4	Calculus I	110.109	4	Calculus II
171.101	4	General Physics I	171.102	4	General Physics II
173.111	1	General Physics Lab I	173.112	1	General Physics Lab II
030.101	3	Introductory Chemistry I	560.141	3	Perspectives on the Evolution of Structures
030.105	1	Introductory Chemistry Lab I	661.110	3	CLE Professional Communication
560.101	1	Freshman Experiences in Civil Engineering			
060.113/ 114	3	Expository Writing (H, W)			
17			15		

Sophomore Year

Fall			Spring		
560.201	3	Statics & Mechanics of Materials	560.202	4	Dynamics
560.211	1	Statics & Mechanics of Materials Laboratory	560.206	3	Solid Mechanics & Theory of Structures
500.113	3	Gateway Computing - Python	560.207	1	CE Undergrad Research Laboratory
110.202	4	Calculus III	550.291	4	Linear Algebra & Differential Equations
510.106	3	Foundations of Materials Science & Engineering	_____	3	H/S Elective 2
270.220	3	Basic Science Elective (see checkout sheet)	560.348	3	Probability & Statistics for Engineers
17			18		

Junior Year

Fall			Spring		
560.320	3	Structural Design I	560.325	3	Structural Design II
560.491	0.5	Civil Engineering Seminar I	560.492	0.5	Civil Engineering Seminar II
560.305	4	Soil Mechanics	_____	3	CE Technical Area Elective 3
570.351	3	Introduction to Fluid Mechanics	660.361	3	Engineering Business & Management
_____	3	CE Technical Area Elective 1	_____	3	H/S Elective 3
_____	3	CE Technical Area Elective 2	_____	3	H/S Elective 4
16.5			16		

Senior Year

Fall			Spring		
560.451	2	Civil Engineering Design I	560.452	3	Civil Engineering Design II
_____	3	CE Technical Area Elective 4	_____	3	Technical Elective 3
_____	3	Technical Elective 1	_____	3	H/S Elective 5
_____	3	Technical Elective 2	_____	3	H/S Elective 6
_____	3	Free Elective 1	_____	3	Free Elective 2
14			15		

TOTAL NUMBER OF CREDITS = 128