Sample Program in Civil Engineering for Freshmen entering in Fall 2020

Freshman Year

Fall			Spring		
560.191	0.5	CaSE Collaborative	560.192	0.5	CaSE Design
560.100	3	Civilization Engineered	661.110	3	Professional Writing and Communication
110.108	4	Calculus I	110.109	4	Calculus II
171.101	4	General Physics I	___.___	3	Natural Science Elective
173.111	1	General Physics Lab I	560.112	1	Electromagnetism and Sensors Lab
___.___	3	H/S Elective (e.g. 060.113/114 Expository Writing)	___.___	3	H/S Elective
			500.113	3	Gateway Computing: Python
	15.5			**17.5**	

Sophomore Year

Fall			Spring		
560.291	0.5	CaSE Coding	560.292	0.5	CaSE Research
550.291	4	Linear Algebra & Differential Equations	110.202	4	Calculus III
560.201	3	Statics & Mechanics of Materials	560.301	3	Structural Systems I
560.211	1	Statics & Mechanics of Materials Laboratory	560.255	3	Dynamical Systems
560.240	3	Uncertainty, Reliability, and Decision-Making	560.250	3	Intro to Mathematical Decision-Making
030.101	3	Introductory Chemistry I	___.___	3	H/S Elective
030.105	1	Introductory Chemistry Lab I			
	15.5			**16.5**	

Junior Year

Fall			Spring		
560.391	0.5	CaSE Careers I	560.392	0.5	CaSE Careers II
560.302	3	Structural Systems II	560.362	3	Engineering Mechanics and Materials
660.361	3	Engineering Business & Management	560.305	4	Soil Mechanics
270.103	3	Intro to Global Environmental Change	___.___	3	CaSE Technical Elective
___.___	3	H/S Elective	___.___	3	H/S Elective
___.___	3	Free Elective	___.___	3	Free Elective
	15.5			**16.5**	

Senior Year

Fall			Spring		
560.401	3	Design Theory & Practice	560.402	3	Integrated Design Project
560.330	3	Foundation Engineering	560.458	3	Natural Disaster Risk Modeling
560.452	3	Failure Mechanisms in Structural Materials	___.___	3	CaSE Technical Elective
___.___	3	CaSE Technical Elective	___.___	3	H/S Elective
___.___	3	Free Elective	___.___	3	Free Elective
	15			**15**	

TOTAL NUMBER OF CREDITS = 127