Civil Engineering Curriculum Flowchart

Fall 1	Spring 1	Fall 2	Spring 2	Fall 3	Spring 3	Fall 4	Spring 4
MATH 241 Calc A	MATH 242 Calc B	MATH 243 Calc C	MATH 351 Engineering Math I	CIEG 331 Environmental Engineering	CIEG 486 Engineering Project Mgmt.	CIEG 461 Senior Design	CIEG 461 Senior Design
CHEM 103/133 General Chemistry	PHYS 207/227 General Physics I	CIEG 211 Statics	CIEG 212 Solid Mechanics	CIEG 301 Structural Analysis and Design	Technical Elective	Technical Elective	Technical Elective
EGGG 101 Intro to Engineering	CIEG 161 Intro to Civil Eng. Design	Science elective	CIEG 213 Materials Lab	CIEG 320 Soil Mechanics and Foundation Engineering	CIEG 321 Geotechnical Engineering	Technical Elective	Technical Elective
CISC 106 Computer Science for Eng.	ENGL 110 First-Year Writing	CIEG 402 Intro to Sustainability Prin. in Civil Eng.	CIEG 214 Construction Materials	CIEG 323 Soil Mechanics and Foundation Engineering Lab	Breadth	Technical Elective	Breadth
Breadth	COMM 212 Public Speaking and Professional Presentation	ENGL 410 Technical Writing	CIEG 315 Probability and Stats	CIEG 305 Fluid Mechanics	CIEG 351 Transportation Engineering	Breadth	Breadth
			CIEG 411 Comm. with Stakeholders in Eng.	CIEG 306 Fluid Mechanics Lab	CIEG 451 Transportation Engineering Lab		
16 credits	**17 credits**	**17 credits**	**16 credits**	**15 credits**	**16 credits**	**14 credits**	**14 credits**

General Education

Engineering

Math and Science

CIEG 461 is a year-long course requiring completion of junior year core classes

pre-requisite

co-requisite