

Civil Engineering - Traditional Emphasis

	FALL TERM	SPRING TERM	SUMMER TERM
1st YEAR	Calculus I (4) General Chemistry I (3) General Chemistry I Lab (1) FYS (3) EPADS I (2) American Citizenship (3)	Calculus II (4) Eng. Physics/Mechanics (5) Communications (3) Computational Methods in Engineering (2) Intro to Civil/Environ Eng (2)	Summer Break
2nd YEAR	Differential Equations (4) Statics (3) Eng. Physics – E&M (5) Global Citizenship (3) Disciplinary Perspectives 1 (3)	Math Methods in Eng (3) Strength of Materials (3) Materials & Solids Lab (1) Eng. Career Seminar (1) Engineering Geology (4) Transportation Eng (3) Civil/Env Eng Prof Skills (3)	CO-OP I (2)
3rd YEAR	Fluid Mechanics (3) Thermo/Fluids Lab (1) Disciplinary Perspectives 2 (3) Disciplinary Perspectives 3 (3) Structural Engineering I (4) Geotechnical Engineering (3) Geotechnical Eng Lab (1)	CO-OP II (2)	Materials Science (3) Materials Science Lab (1) Capstone Design I (3) Statistical Design & Process Control (3) Environmental Eng I (3) Environmental Eng Lab (1)
4th YEAR	CO-OP III (2)	Capstone Design II (3) Constellation 1 (3) Constellation 2 (3) Hydraulics (3) Structural Engineering II (3) Civil/Environ Eng Elect A* (3)	Constellation 3 (3) Constellation 4 (3) Water Management (3) Civil/Environ Eng Elect B** (3) Civil/Environ Eng Elect C*** (3)

* Choose either CVE 442 (Steel Structures) or CVE 450 (Environmental Engineering II)

** Choose either CVE 444 (Reinforced Concrete Structures) or CVE 454 (Pollution and Waste)

*** Choose either CVE 458 (Environmental Engineering Design) or ME 450 (Finite Element Analysis)