



B.S. CIVIL ENGINEERING + B.S. CONSTRUCTION ENGINEERING – TRADITIONAL MATH 2020

FRESHMAN		SOPHOMORE		JUNIOR		SENIOR		
Fall (17 hrs)	Spring (16 hrs)	Fall (15.5 hrs)	Spring (17 hrs)	Fall (17 hrs)	Spring (17 hrs)	Fall (15 hrs)	Spring (15 hrs)	Fall (15 hrs)
CVEEN 1000 Intro to Civil & Environmental Engineering F 2	CVEEN 1400 Computer-Aided Design SP 3	CVEEN 2000 Seminar F 0.5	CVEEN 2010 ↓ CVEEN 2140 Strength of Materials F/SP 3	CVEEN 2140 ↓ CVEEN 3210 Structural Loads & Analysis (QI) F/SP 3	WRTG 2010 ↓ CVEEN 3100 Technical Communication (CW) F/SP 3	CVEEN 3210 ↓ CVEEN 4221 Concrete I (D) F 3	CVEEN 3100 ↓ CVEEN 4900 Professional Practice F/SP 3	CVEEN 4900, 4221 & 5510 ↓ CVEEN 4910 Civil Design Capstone F/SP 3
MATH (1050 & 1060) or MATH 1080 ↓	MATH 1210 ↓	MATH 1210 & PHYS 2210 ↓		CVEEN 2140 & 2310 ↓	CVEEN 2140 & 2310 ↓	CVEEN 3100 ↓	CVEEN 3100, 3700, 4221, 5510 & 5720 ↓	See catalog for individual prerequisites ↓
MATH 1210 Calculus I (QR) F/SP/SU 4	MATH 1220 Calculus II F/SP/SU 4	CVEEN 2010 ↓ CVEEN 2010 Statics F/SP 3	CVEEN 2300 Engineering Economics F/SP 2	CVEEN 3410 Hydraulics (QI) F 3 CVEEN 3415 Lab F 1	CVEEN 3310 Geotech I (QI) F/SP 3 CVEEN 3315 Lab F/SP 1	CVEEN 5720 Project Scheduling F 3	CVEEN 4920 Construction Design Capstone SP 3	CVEEN 5305 Intro to Foundations or CVEEN 5500 Sust. Materials F/SP 3
General Ed. Requirement F/SP/SU 3	MATH 1210 ↓ PHYS 2210 Physics for Sci & Engineers I F/SP/SU 4	MATH 1210 ↓ CVEEN 2310 ↓ CVEEN 2310 Probability & Statistics F/SP 3	MATH 1210 ↓ CVEEN 2750 Computer Tools SP 2	CVEEN 2140 & 2310 ↓ CVEEN 3510 Materials F/SP 3 CVEEN 3515 Lab F/SP 1	CHEM 1210 & CVEEN 2140 ↓ CVEEN 3610 Environmental F/SP 3 CVEEN 3615 Lab F/SP 1	CVEEN 3310 & 3315 ↓ CVEEN 5740 Horizontal Construction F 3	CVEEN 3210 ↓ CVEEN 5790 Vertical Construction SP 3	Technical Elective F/SP 3
WRTG 1010 ↓	See catalog for individual prerequisites ↓	MATH 1060 ↓	CVEEN 2010, PHYS 2210 & MATH 2250 ↓	CVEEN 2310 & 2140 ↓	CVEEN 3520 & 2140 ↓			
WRTG 2010 Intermediate Writing F/SP/SU 3	CHEM 1220 Gen Chemistry II or PHYS 2220 Physics for Sci & Engineers II F/SP/SU 4	MG EN 2400 Surveying F/SU 3	ME EN 2030 Dynamics F/SP/SU 3	CVEEN 3520 Transportation F/SP 3	CVEEN 5510 Highway Design (D) SP 3	American Institutions F/SP/SU 3	Technical Elective F/SP 3	General Ed. Requirement F/SP/SU 3
MATH 1050 ↓	See catalog for individual prerequisites ↓	MATH 1220 ↓	MATH 2210 ↓	CVEEN 2750 ↓		CVEEN 3100 ↓		
CHEM 1210 Gen Chemistry I F/SP/SU 4 CHEM 1215 Lab F/SP/SU 1	CHEM 1225 Gen Chemistry II Lab or PHYS 2215 Physics for Sci & Engineers I Lab or PHYS 2225 Physics for Sci & Engineers II Lab F/SP/SU 1	MATH 2210 Calculus III F/SP/SU 3	MATH 2250 Differential Equations & Linear Algebra F/SP/SU 4	CVEEN 3700 Principles of Construction Eng. F 3	General Ed. Requirement/DV F/SP/SU 3	CVEEN 5710 Cost Estimation or CVEEN 5730 Project Management or CVEEN 5750 Engineering Law F 3	ECON 2010 Microeconomics (BF) F/SP/SU 3	General Ed. Requirement/IR F/SP/SU 3
		ARCH 1615 Intro to Architecture (FF) F/SP 3	^ GEO 1100 Evolving Earth F/SP 3	Recommended General Education Courses LEAP 1501 Social & Ethical Engineering (BF) - Fall only LEAP 1500 Humanities for Engineers (HFDV) - Spring only				
				^ GEO 1100 - can be substituted with GEO 1110 & 1115 Earth Systems and Lab (4)				

Have you completed 3 of the 4 shaded courses? If yes, apply for Full Major Status!

KEY

Full Major Status Required 

Prerequisite 

Corequisite