



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 225Q ↓ | CVEEN 2140 & 2310 ↓ | CVEEN 3520 ↓ | | | |
| 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