

B.S. CONSTRUCTION ENGINEERING – ENGINEERING MATH 2023



FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
<i>Fall (17 hrs)</i>	<i>Spring (16 hrs)</i>	<i>Fall (16.5 hrs)</i>	<i>Spring (16 hrs)</i>	<i>Fall (14 hrs)</i>	<i>Spring (15 hrs)</i>	<i>Fall (15 hrs)</i>	<i>Spring (15 hrs)</i>
CVEEN 1000 Intro to Civil & Environmental Engineering F 2	CVEEN 1400 Computer-Aided Design SP 3	CVEEN 2000 Seminar F 0.5	CVEEN 2140 Strength of Materials F/SP 3	CVEEN 3210 Structural Loads & Analysis (QI) F/SP 3	CVEEN 3100 Technical Communication (CW) F/SP 3	CVEEN 4221 Concrete I F 3	CVEEN 4920 Design Capstone SP 3
MATH (1050 & 1060) or MATH 1080 ↓	MATH 1310 ↓	MATH 1310 & PHYS 2210 ↓	CVEEN 2010 ↓	CVEEN 2140 & 2310 ↓	CVEEN 2310 & 2140 ↓	CVEEN 3100 ↓	CVEEN 3100, 3700, 4221, 5720, & 1 Design Tech Ele ↓
MATH 1310 Engineering Calculus I (QR) F/SP 4	MATH 1320 Engineering Calculus II F/SP/SU 4	CVEEN 2010 Statics F/SP 3	CVEEN 2320 Engineering Economics F/SP 2	CVEEN 3310 Geotech (QI) F/SP 3	CVEEN 3520 Transportation F/SP 3	CVEEN 5720 Project Scheduling F 3	CVEEN 5740 Horizontal Construction SP 3
General Ed. Requirement F/SP/SU 3	PHYS 2210 Physics for Sci & Engineers I F/SP/SU 4	CVEEN 2310 Probability & Statistics F/SP 3	CVEEN 2750 Computer Tools F/SP 2	CVEEN 3510 Materials (QI) F/SP 3	CVEEN 3710 Contract Specifications SP 3	CVEEN 5790 Vertical Construction F 3	CVEEN 5780 Facade I SP 3
WRTG 1010 ↓	See catalog for individual prerequisites ↓	MATH 1060 ↓	MATH 1310 ↓	CVEEN 2140 & 2310 ↓	CVEEN 2310 ↓	CVEEN 3210 ↓	CVEEN 3210 ↓
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 3	General Ed. Requirement/DV F/SP/SU 3	CVEEN 3515 Lab F/SP 1	CVEEN 3710 Contract Specifications SP 3	CVEEN 5790 Vertical Construction F 3	CVEEN 5780 Facade I SP 3
MATH 1050 ↓	See catalog for individual prerequisites ↓	MATH 1060 ↓	MATH 1310 ↓	CVEEN 3700 Principles of Construction Eng. F 3	Design Technical Elective F/SP 3	Technical Elective F/SP 3	Technical Elective F/SP 3
CHEM 1210 Gen Chemistry I F/SP/SU 4	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 1320 & PHYS 2210 ↓	MATH 2250 Diff Equations & Linear Algebra F/SP/SU 4	ARCH 1615 Intro to Architecture (FF) F/SP 3	General Ed. Requirement F/SP/SU 3	American Institutions F/SP/SU 3	General Ed. Requirement/IR F/SP/SU 3
CHEM 1215 Lab F/SP/SU 1			ECON 2010 Microeconomics (BF) F/SP/SU 3	^ GEO 1100 Evolving Earth F/SP 3			

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



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 & Lab (4)

KEY
Full Major Status Required 
Prerequisite 
Corequisite