


# B.S. CONSTRUCTION ENGINEERING – ENGINEERING MATH 2018


<u>FRESHMAN</u>		<u>SOPHOMORE</u>		<u>JUNIOR</u>		<u>SENIOR</u>	
Fall (17 hrs)	Spring (16 hrs)	Fall (17.5 hrs)	Spring (16 hrs)	Fall (14 hrs)	Spring (15 hrs)	Fall (15 hrs)	Spring (15 hrs)
<b>CVEEN 1000</b> Intro to Civil & Environmental Engineering F 2	<b>CVEEN 1400</b> Computer-Aided Design SP 3	<b>CVEEN 2000</b> Seminar F 0.5	<b>CVEEN 2140</b> Strength of Materials F/SP 3	<b>CVEEN 3210</b> Structural Loads & Analysis (QI) F/SP 3	<b>CVEEN 3100</b> Technical Communication (CW) F/SP 3	<b>CVEEN 4221</b> Concrete I F 3	<b>CVEEN 4920</b> Design Capstone SP 3
MATH (1050 & 1060) or MATH 1080 ↓	MATH 1310 ↓	MATH 1310 & PHYS 2210 ↓	CVEEN 2010 ↓	CVEEN 2140 & 2310 ↓	CVEEN 2140 & 2310 ↓	CVEEN 3100 ↓	CVEEN 3210 ↓
<b>MATH 1310</b> Engineering Calculus I (QR) F/SP 4	<b>MATH 1320</b> Engineering Calculus II F/SP/SU 4	<b>CVEEN 2010</b> Statics F/SP 3	<b>CVEEN 2300</b> Engineering Economics F/SP 2	<b>CVEEN 3310</b> Geotech I (QI) F/SP 3	<b>CVEEN 3520</b> Transportation F/SP 3	<b>CVEEN 5720</b> Project Scheduling F 3	<b>CVEEN 5780</b> Facade I SP 3
General Ed. Requirement F/SP/SU 3	<b>PHYS 2210</b> Physics for Sci & Engineers I F/SP/SU 4	<b>CVEEN 2310</b> Probability & Statistics F/SP 3	<b>CVEEN 2750</b> Computer Tools SP 2	<b>CVEEN 3510</b> Materials F/SP 3	<b>CVEEN 3710</b> Contract Specifications SP 3	<b>CVEEN 5740</b> Horizontal Construction F 3	<b>CVEEN 5790</b> Vertical Construction SP 3
WRTG 1010 ↓	See catalog for individual prerequisites ↓	MATH 1310 ↓	MATH 1310 ↓	CVEEN 2140 & 2310 ↓	CVEEN 2140 & 2310 ↓	CVEEN 3310 & 3520 ↓	CVEEN 3210 & 3310 ↓
<b>WRTG 2010</b> Intermediate Writing F/SP/SU 3	<b>CHEM 1220</b> Gen Chemistry II or <b>PHYS 2220</b> Physics for Sci & Engineers II F/SP/SU 4	<b>MG EN 2400</b> Surveying F/SU 3	<b>General Ed. Requirement/DV</b> F/SP/SU 3	<b>CVEEN 3515</b> Lab F/SP 1	<b>CVEEN 3710</b> Contract Specifications SP 3	<b>CVEEN 5740</b> Horizontal Construction F 3	<b>CVEEN 5790</b> Vertical Construction SP 3
MATH 1050 ↓	See catalog for individual prerequisites ↓	MATH 1060 ↓	MATH 1060 ↓	<b>CVEEN 3700</b> Construction F 3	<b>Design Technical Elective</b> F/SP 3	<b>Technical Elective</b> F/SP 3	<b>Technical Elective</b> F/SP 3
<b>CHEM 1210</b> Gen Chemistry I F/SP/SU 4	<b>CHEM 1225</b> Gen Chemistry II Lab or <b>PHYS 2215</b> Physics for Sci & Engineers I Lab or <b>PHYS 2225</b> Physics for Sci & Engineers II Lab F/SP/SU 1	<b>MATH 2250</b> Diff Equations & Linear Algebra F/SP/SU 4	<b>ARCH 1615</b> Intro to Architecture (FF) F/SP 3	<b>General Ed. Requirement</b> F/SP/SU 3	<b>American Institutions</b> F/SP/SU 3	<b>General Ed. Requirement/IR</b> F/SP/SU 3	<b>General Ed. Requirement/IR</b> F/SP/SU 3
<b>CHEM 1215</b> Lab F/SP/SU 1		<b>GEO 1110</b> Intro Earth Systems F/SP 3	<b>ECON 2010</b> Microeconomics (BF) F/SP/SU 3				
		<b>GEO 1115</b> Lab F/SP 1					

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

**KEY**

Full Major Status Required 

Prerequisite 

Corequisite

