


B.S. CONSTRUCTION ENGINEERING – TRADITIONAL MATH 2019

FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
Fall (17 hrs)	Spring (16 hrs)	Fall (15.5 hrs)	Spring (18 hrs)	Fall (17 hrs)	Spring (15 hrs)	Fall (15 hrs)	Spring (15 hrs)
<div>CVEEN 1000</div> <div>Intro to Civil & Environmental Engineering</div> <div>F 2</div>	<div>CVEEN 1400</div> <div>Computer-Aided Design</div> <div>SP 3</div>	<div>CVEEN 2000</div> <div>Seminar</div> <div>F 0.5</div>	<div>CVEEN 2140</div> <div>Strength of Materials</div> <div>F/SP 3</div>	<div>CVEEN 3210</div> <div>Structural Loads & Analysis (QI)</div> <div>F/SP 3</div>	<div>CVEEN 3100</div> <div>Technical Communication (CW)</div> <div>F/SP 3</div>	<div>CVEEN 4221</div> <div>Concrete I</div> <div>F 3</div>	<div>CVEEN 4920</div> <div>Design Capstone</div> <div>SP 3</div>
<div>MATH 1210</div> <div>Calculus I (QR)</div> <div>F/SP/SU 4</div>	<div>MATH 1220</div> <div>Calculus II</div> <div>F/SP/SU 4</div>	<div>CVEEN 2010</div> <div>Statics</div> <div>F/SP 3</div>	<div>CVEEN 2300</div> <div>Engineering Economics</div> <div>F/SP 2</div>	<div>CVEEN 3310</div> <div>Geotech I (QI)</div> <div>F/SP 3</div>	<div>CVEEN 3520</div> <div>Transportation</div> <div>F/SP 3</div>	<div>CVEEN 5720</div> <div>Project Scheduling</div> <div>F 3</div>	<div>CVEEN 5780</div> <div>Facade I</div> <div>SP 3</div>
<div>General Ed. Requirement</div> <div>F/SP/SU 3</div>	<div>PHYS 2210</div> <div>Physics for Sci & Engineers I</div> <div>F/SP/SU 4</div>	<div>CVEEN 2310</div> <div>Probability & Statistics</div> <div>F/SP 3</div>	<div>CVEEN 2750</div> <div>Computer Tools</div> <div>SP 2</div>	<div>CVEEN 3510</div> <div>Materials</div> <div>F/SP 3</div>	<div>CVEEN 3710</div> <div>Contract Specifications</div> <div>SP 3</div>	<div>CVEEN 5740</div> <div>Horizontal Construction</div> <div>F 3</div>	<div>CVEEN 5790</div> <div>Vertical Construction</div> <div>SP 3</div>
<div>WRTG 2010</div> <div>Intermediate Writing</div> <div>F/SP/SU 3</div>	<div>CHEM 1220</div> <div>Gen Chemistry II</div> <div>or</div> <div>PHYS 2220</div> <div>Physics for Sci & Engineers II</div> <div>F/SP/SU 4</div>	<div>MG EN 2400</div> <div>Surveying</div> <div>F/SU 3</div>	<div>General Ed. Requirement/DV</div> <div>F/SP/SU 3</div>	<div>CVEEN 3700</div> <div>Principles of Construction Eng.</div> <div>F 3</div>	<div>Design Technical Elective</div> <div>F/SP 3</div>	<div>Technical Elective</div> <div>F/SP 3</div>	<div>Technical Elective</div> <div>F/SP 3</div>
<div>CHEM 1210</div> <div>Gen Chemistry I</div> <div>4</div>	<div>CHEM 1215</div> <div>Lab</div> <div>F/SP/SU 1</div>	<div>MATH 2210</div> <div>Calculus III</div> <div>F/SP/SU 3</div>	<div>MATH 2250</div> <div>Diff Equations & Linear Algebra</div> <div>F/SP/SU 4</div>	<div>ECON 2010</div> <div>Microeconomics (BF)</div> <div>F/SP/SU 3</div>	<div>General Ed. Requirement</div> <div>F/SP/SU 3</div>	<div>American Institutions</div> <div>F/SP/SU 3</div>	<div>General Ed. Requirement/IR</div> <div>F/SP/SU 3</div>
	<div>CHEM 1225</div> <div>Gen Chemistry II Lab</div> <div>or</div> <div>PHYS 2215</div> <div>Physics for Sci & Engineers I Lab</div> <div>or</div> <div>PHYS 2225</div> <div>Physics for Sci & Engineers II Lab</div> <div>F/SP/SU 1</div>	<div>ARCH 1615</div> <div>Intro to Architecture (FF)</div> <div>F/SP 3</div>	<div>GEO 1110</div> <div>Intro Earth Systems</div> <div>3</div>	<div>Recommended General Education Courses</div> <div>LEAP 1501 Social & Ethical Engineering (BF) - Fall only</div> <div>LEAP 1500 Humanities for Engineers (HFDV) - Spring only</div> <div>^ GEO 1110 & 1115 can be substituted with GEO 1100 - Evolving Earth (3)</div>			
		<div>GEO 1115</div> <div>Lab</div> <div>SP 1</div>					
<div>Have you completed 3 of the 4 shaded courses? Is your EGPA ≥2.50? If yes, apply for Full Major Status!</div>				<div>KEY</div> <div>Full Major Status Required</div> <div>Prerequisite</div> <div>Corequisite</div>			



Construction Engineering

COLLEGE OF ENGINEERING | THE UNIVERSITY OF UTAH

Have you completed 3 of the 4 shaded courses? Is your EGPA ≥2.50? If yes, apply for Full Major Status!

TECHNICAL ELECTIVE COURSES

Students must complete **three** technical elective courses.

To graduate with a Bachelor of Science Degree in Construction Engineering you must:

1. Complete at least **one** course from the Primary section.
 2. Complete at least **one** Design course from the Secondary Section. These are designated by a **shaded box**. *Example: CVEEN 5510*
- As long as these requirements are satisfied, you may take the remaining **one** technical elective from either section.

PRIMARY TECHNICAL ELECTIVES

CVEEN 3100 ↓

CVEEN 5710
Cost Estimation &
Proposal Writing
F 20/22 3

CVEEN 3100 ↓

CVEEN 5730
Project Management &
Contract Admin.
SP 20/22 3

CVEEN 3100 ↓

CVEEN 5750
Engineering Law &
Contracts
SU 20/22 3

SECONDARY TECHNICAL ELECTIVES

Structures

CVEEN 3210 ↓

CVEEN 4222
Steel I
SP 3

CVEEN 3210 ↓

CVEEN 5240
Reinforced
Timber/Masonry
F 4

Transportation

CVEEN 3520 ↓

CVEEN 5510
Highway Design
SP 3

Geotech & Materials

CVEEN 3310 & 3315 ↓

CVEEN 5305
Introduction to
Foundations
F 3

CVEEN 3510 & 3515 ↓

CVEEN 5500
Sustainable
Materials
SP 3

Architecture

ARCH 6371
Intensive Materials
& Construction
F 3

Other (Max 1)

Any 3000+ level
course from the
College of
Engineering or an
ABET accredited
program
3+