

B.S. CONSTRUCTION ENGINEERING + B.S. CIVIL ENGINEERING – TRADITIONAL MATH 2018

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)	Fall (15 hrs)
CVEEN 1000 Intro to Civil & Environmental Engineering F23 MATH (1050 & 1060) or MATH 1080 ↓ MATH 1210 Calculus I (QR) F/SP/SU4	CVEEN 1400 Computer-Aided Design SP3 MATH 1210 ↓ MATH 1220 Calculus II F/SP/SU4	CVEEN 2000 Seminar F0.5 MATH 1210 & PHYS 2210 ↓ CVEEN 2010 Statics F/SP3	CVEEN 2140 Strength of Materials F/SP3 MATH 1210 ↓ CVEEN 2300 Engineering Economics F/SP2	CVEEN 3310 Geotech I (QI) F/SP3 CVEEN 2140 & 2310 ↓ CVEEN 3510 Materials F/SP3	CVEEN 3100 Technical Communication (CW) F/SP3 CVEEN 2140 ↓ CVEEN 3210 Structural Loads & Analysis (QI) F/SP3	CVEEN 4221 Concrete I (D) F3 CVEEN 3100 ↓ CVEEN 5720 Project Scheduling F3	CVEEN 4900 Professional Practice F/SP3 CVEEN 3100, 3700, 4221, 5510 & 5720 ↓ CVEEN 4920 Construction Design Capstone SP3	CVEEN 4910 Civil Design Capstone F/SP3 See catalog for individual prerequisites ↓ CVEEN 5305 Intro to Foundations or CVEEN 5500 Sust. Materials F/SP3
General Ed. Requirement F/SP/SU3 WRTG 1010 ↓ WRTG 2010 Intermediate Writing F/SP/SU3	PHYS 2210 Physics for Sci & Engineers I F/SP/SU4 See catalog for individual prerequisites ↓ CHEM 1220 Gen Chemistry II or PHYS 2220 Physics for Sci & Engineers II F/SP/SU4	CVEEN 2310 Probability & Statistics F/SP3 MATH 1060 ↓ MG EN 2400 Surveying F/SU3	CVEEN 2750 Computer Tools SP2 MATH 1210 ↓ General Ed. Requirement/DV F/SP/SU3	CVEEN 3520 Transportation F/SP3 CVEEN 2140 & 2310 ↓ CVEEN 3700 Construction F3	CVEEN 3710 Contract Specifications SP3 CVEEN 3520 ↓ CVEEN 5510 Highway Design (D) SP3	CVEEN 5740 Horizontal Construction F3 CVEEN 3310 & 3520 ↓ American Institutions F/SP/SU3	CVEEN 5780 Facade I SP3 CVEEN 3210 ↓ CVEEN 5790 Vertical Construction SP3	Technical Elective F/SP3
CHEM 1210 Gen Chemistry I F/SP/SU4 MATH 1050 ↓ CHEM 1215 Lab F/SP/SU1	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/SU1 See catalog for individual prerequisites ↓ 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/SU1	MATH 2210 Calculus III F/SP/SU3 MATH 1220 ↓ ARCH 1615 Intro to Architecture (FF) F/SP3	MATH 2250 Differential Equations & Linear Algebra F/SP/SU4 MATH 2210 ↓ GEO 1110 Intro Earth Systems SP3	ECON 2010 Microeconomics (BF) F/SP/SU3 CVEEN 2750 ↓ General Ed. Requirement F/SP/SU3	CVEEN 5710 Cost Estimation or CVEEN 5730 Project Management or CVEEN 5750 Engineering Law F/SP3 CVEEN 3100 ↓ Technical Elective F/SP3	General Ed. Requirement/IR F/SP/SU3		

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

 **Construction Engineering**
COLLEGE OF ENGINEERING | THE UNIVERSITY OF UTAH

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

TECHNICAL ELECTIVES

FALL

Structures

CVEEN 4222 ↓

CVEEN 5230
Steel II

F

3

CVEEN 3210 ↓

CVEEN 5420
Reinforced
Timber/Masonry

F

4

Environmental

CHEM 1210 & CVEEN 2140 ↓

CVEEN 3610
Environmental

3

CVEEN 3615
Lab

F

1

CVEEN 3610 & 3615 ↓

CVEEN 5605
Water & Wastewater
Treatment

F

3

CVEEN 3610 & 3615 ↓

CVEEN 5610
Water Chemistry

F

3

Geotech & Materials

CVEEN 3510, 3515, 3520 ↓

CVEEN 5570
Pavement Design

F

3

CVEEN 3310 & 3315 ↓

CVEEN 5305 ^
Intro to
Foundations

F

3

Water Resources

CVEEN 2140 & 2310 ↓

CVEEN 3410
Hydraulics (QI)

3

CVEEN 3415
Lab

F

1

CVEEN 3410 & 3415 ↓

CVEEN 5720
Engineering
Hydrology

F

3

Nuclear Engineering

CHEM 1220, MATH 1220
& PHYS 2210 ↓

NUCL 3000
Nuclear Principals in
Engineering & Science

F

3

SPRING

Structures

CVEEN 3210 ↓

CVEEN 4222
Steel I

SP

3

CVEEN 3210 ↓

CVEEN 5210
Structural Analysis II

SP

3

CVEEN 4221 ↓

CVEEN 5220
Concrete II

SP

3

Environmental

CHEM 1210 & CVEEN 2140 ↓

CVEEN 3610
Environmental

3

CVEEN 3615
Lab

SP

1

Geotech & Materials

CVEEN 3510 & 3515 ↓

CVEEN 5500 ^
Sustainable
Materials

SP

3

Water Resources

CVEEN 3410 & 3415 ↓

CVEEN 5420
Open-Channel

SP

3

Nuclear Engineering

NUCL 3000 ↓

NUCL 3100
Neutron Based
Engineering

SP

3

Transportation

CVEEN 3520 ↓

CVEEN 5560
Transportation
Planning

SP

3

^ Courses cannot be used to satisfy two requirements

Caveat: Semester availability is subject to change at the discretion of the department and does not create a binding contractual nexus or obligation between the student and the University of Utah