

# BS CIVIL ENGINEERING

## 2023-2024 Academic Year

### Pre-Engineering

### Civil Engineering

#### Program Admission:

- Complete foundation courses\* with minimum grade of **C**
- Overall GPA  $\geq 2.5$
- Submit application to Department.

#### Graduation:

- Complete 125 hrs total with 40 hrs upper division CIVE.
- Overall GPA  $\geq 2.5$
- C or better in CIVE core and elective courses.
- Residency  $\geq 30$  hrs at UVU ( $\geq 12$  CIVE). At least 10 hrs in last 45 hrs earned.
- Transfer credits  $< 80$  hrs total and 20 hrs in CIVE.
- Complete one Global/Intercultural course.
- Take FE Exam

PRE-REQS.,  
CO-REQS.

CATALOG #####  
Course Title

Credit hr F,S

#### Shading Key:

- Blue = Math core
- Yellow = Science Core
- Green = Pre-Engineering
- Grey = General Education
- White = CIVE Admission Required
- Red = Option of Physics or Chemistry

Pre-Engineering				Civil Engineering				
Year 1		Year 2		Year 3		Year 4		
Fall (15 hrs)	Spring (15 hrs)	Fall (15 hrs)	Spring (18 hrs)	Fall (15 hrs)	Spring (16 hrs)	Fall (15 hrs)	Spring (15 hrs)	
<p>ENGR 1000* Introduction to Engineering 3 hr F,S</p>	<p>EGDT 1040* Fun. Of Tech. Eng. Drawing 3 hr F,S</p>	<p>PHYS 2210 ENGR 2010* Engineering Statics 3 hr F,S</p>	<p>ENGR 2010 ENGR 2030* Engineering Dynamics 3 hr F,S</p>	<p>MATH 2250 CIVE 2450 Numerical Methods 3 hr F</p>	<p>ENGR 2140 CIVE 3210 Geotechnical Engineering 3 hr S</p>	<p>Dept. Approval CIVE 4810 Capstone I 3 hr F</p>	<p>CIVE 4810 Capstone II 3 hr S</p>	
<p>MATH 1050, 1060 or 1065 MATH 1210* Calculus I 4 hr F,S,Su</p>	<p>MATH 1210 MATH 1220* Calculus II 4 hr F,S,Su</p>	<p>MATH 1220 MATH 2250* ODEs and Linear Algebra 4 hr F,S,Su</p>	<p>ENGR 2010 ENGR 2140* Mechanics of Materials 3 hr F,S</p>	<p>EGDT 1040 CIVE 3010 Transportation Engineering 3 hr F</p>	<p>CIVE 2450, ME 3310 CIVE 3320 Hydraulics &amp; Hydrology 3 hr S</p>	<p>CIVE 4810 CIVE 4510 CE Senior Seminar 1 hr F</p>	<p>See Catalog CIVE Elective 3 hr</p>	
<p>MATH 1050 CHEM 1210* Chemistry I CHEM 1215* Chemistry I Lab 4+1 hr F,S,Su</p>	<p>MATH 1210 PHYS 2210* Physics I PHYS 2215* Physics I Lab 4+1 hr F,S,Su</p>	<p>PHYS 2225, MATH 1220 PHYS 2220* Physics II PHYS 2225* Physics II Lab 4+1 hr F,S,Su</p>	<p>CHEM 1210 ENGR 2160* Material Science 3 hr F,S</p>	<p>ENGR 2140 CIVE 3130 Structural Analysis 3 hr F</p>	<p>CIVE 3320, ME 3310 CIVE 3335 Civil Eng. Experiment. I 2 hr S</p>	<p>ENGR 2160 CIVE 4135 Civil Eng. Experiment. II 2 hr F</p>	<p>See Catalog CIVE Elective 3 hr</p>	
<p>Test or ENGH 1000 ENGL 1010* Introduction to Writing 3 hr F,S,Su</p>	<p>Test or ENGL 1010 ENGL 2010* Intermediate Writing 3 hr F,S,Su</p>	<p>OR CHEM 1210, CHEM 1215 CHEM 1220* Chemistry II CHEM 1225* Chemistry II Lab 4+1 hr F,S,Su</p>	<p>EGDT 1400* Surveying I 3 hr F,S,Su</p>	<p>ENGR 2030 ME 3310 Fluid Mechanics 3 hr F</p>	<p>See Catalog CIVE Elective 3 hr</p>	<p>See Catalog CIVE Elective 3 hr</p>	<p>PHIL 205G Ethics and Values 3 hr F,S,Su</p>	
			<p>GE Health Elective 2 hr</p>	<p>GE Biology Elective 3 hr</p>	<p>Soc./Behavioral Science Interpersonal Communication 2 hr F,S,Su</p>	<p>Humanities Elective Public Speaking 3 hr F,S,Su</p>	<p>GE Fine Arts Elective 3 hr</p>	<p>GE American Institutions Elective 3 hr</p>