

### 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 127 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.
- Take FE Exam.
- See additional requirements in the catalog

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 (18 hrs)	Fall (15 hrs)	Spring (16 hrs)	Fall (15 hrs)	Spring (17 hrs)	Fall (14 hrs)	Spring (15 hrs)
<p>ENGR 1000* Intro to Eng. Design 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 2140* Mechanics of Materials 3 hr F,S</p>	<p>CIVE 2000 CIVE 3000 Civil Eng. Career Planning 1 hr F</p>	<p>ENGR 2140 CIVE 3210 Intro to Geotechnical 3 hr S</p>	<p>3 of the following: CIVE 3010, CIVE 3130, CIVE 3210, CIVE 3320, or CIVE 3610</p>	<p>CIVE 4810 CIVE 4820 Capstone II 3 hr S</p>
	<p>EGDT 1400* Surveying I 3 hr F,S,Su</p>	<p>MATH 1210 CIVE 2130* Economics and Statistics 3 hr F,S</p>	<p>CIVE 2000 Intro to Civil Eng. 1 hr S</p>	<p>EGDT 1040 CIVE 3010 Intro to Transportation 3 hr F</p>	<p>CIVE 2450, CIVE 2130, CIVE 3310 CIVE 3320 Intro to Water Resources 3 hr S</p>	<p>CIVE 4810 Capstone I 3 hr F</p>	<p>See Catalog CIVE Elective 3 hr</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>MATH 1220 MATH 2210* Calculus III 4 hr F,S,Su</p>	<p>ENGR 2140 CIVE 3130 Intro to Structural Eng. 3 hr F</p>	<p>CIVE 3320, CIVE 3310 CIVE 3335 Hydrology and Hydraulics Lab 2 hr S</p>	<p>ENGR 2140 CIVE 3410 Intro to Civil Eng. Materials 3 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>ENGR 2010 ENGR 2030* Engineering Dynamics 3 hr F,S</p>	<p>CIVE 3130 Civil Eng. Fluid Mechanics 3 hr F</p>	<p>See Catalog CIVE Elective 3 hr</p>	<p>CIVE 3410, CIVE 2130, ENGR 2140 CIVE 3415 Civil Eng. Materials Lab 2 hr F</p>	<p>Soc./ Beh. Science Interpersonal Communication 3 hr F,S,Su</p>
	<p>Test or ENGL 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>ENGR 1020 Revit, EGDT 1060 Microstation OR EGDT 2500 Civil3D 3 hr F,S,Su</p>	<p>MATH 2250 CIVE 2450 Numerical Methods Excel 3 hr F</p>	<p>See Catalog CIVE Elective 3 hr</p>	<p>PHIL 205G Ethics and Values 3 hr F,S,Su</p>
				<p>GE Biology Elective 3 hr</p>	<p>See Catalog CIVE Elective 3 hr</p>	<p>See Catalog CIVE Elective 3 hr</p>	<p>GE American Institutions Elective 3 hr</p>
					<p>Humanities Elective Public Speaking 3 hr F,S,Su</p>	<p>GE Fine Arts Elective 3 hr</p>	