

# BS CIVIL ENGINEERING

## 2025-2026 Academic Year

### 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.
- 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

| Pre-Engineering                                                                                      |                                                                                                  |                                                                                                                                 |                                                                                                              | Civil Engineering                                                         |                                                                                                      |                                                                                                                                                 |                                                                                  |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Year 1                                                                                               |                                                                                                  | Year 2                                                                                                                          |                                                                                                              | Year 3                                                                    |                                                                                                      | Year 4                                                                                                                                          |                                                                                  |
| Fall (15 hrs)                                                                                        | Spring (18 hrs)                                                                                  | Fall (15 hrs)                                                                                                                   | Spring (14 hrs)                                                                                              | Fall (15 hrs)                                                             | Spring (17 hrs)                                                                                      | Fall (14 hrs)                                                                                                                                   | Spring (18 hrs)                                                                  |
| <p>ENGR 1000*<br/>Intro to Eng. Design<br/>3 hr F,S</p>                                              | <p>EGDT 1040*<br/>Fun. of Tech. Eng. Drawing<br/>3 hr F,S</p>                                    | <p>PHYS 2210<br/>ENGR 2010*<br/>Engineering Statics<br/>3 hr F,S</p>                                                            | <p>ENGR 2010<br/>ENGR 2140*<br/>Mechanics of Materials<br/>3 hr F,S</p>                                      | <p>CIVE 2000<br/>CIVE 3000<br/>Civil Engr. Career Planning<br/>1 hr F</p> | <p>ENGR 2140<br/>CIVE 3210<br/>Intro to Geotechnical<br/>3 hr S</p>                                  | <p>3 of the following:<br/>CIVE 3010,<br/>CIVE 3130,<br/>CIVE 3210,<br/>CIVE 3320, or<br/>CIVE 3610<br/>CIVE 4810<br/>Capstone I<br/>3 hr F</p> | <p>CIVE 4810<br/>Capstone II<br/>3 hr S</p>                                      |
|                                                                                                      | <p>EGDT 1400*<br/>Surveying I<br/>3 hr F,S,Su</p>                                                | <p>MATH 1210<br/>CIVE 2130*<br/>Economics and Statistics<br/>3 hr F,S</p>                                                       | <p>CIVE 2000<br/>Intro to Civil Engr.<br/>1 hr S</p>                                                         | <p>EGDT 1040<br/>CIVE 3010<br/>Intro to Transportation<br/>3 hr F</p>     | <p>CIVE 2450,<br/>CIVE 2130,<br/>CIVE 3310<br/>CIVE 3320<br/>Intro to Water Resources<br/>3 hr S</p> |                                                                                                                                                 | <p>See Catalog<br/>CIVE Elective<br/>3 hr</p>                                    |
| <p>MATH 1050,<br/>1060 or 1065<br/>MATH 1210*<br/>Calculus I<br/>4 hr F,S,Su</p>                     | <p>MATH 1210<br/>MATH 1220*<br/>Calculus II<br/>4 hr F,S,Su</p>                                  | <p>MATH 1220<br/>MATH 2250*<br/>ODEs and Linear Algebra<br/>4 hr F,S,Su</p>                                                     | <p>MATH 1220<br/>MATH 2210*<br/>Calculus III<br/>4 hr F,S,Su</p>                                             | <p>ENGR 2140<br/>CIVE 3130<br/>Intro to Structural Eng.<br/>3 hr F</p>    | <p>CIVE 3320,<br/>CIVE 3310<br/>CIVE 3335<br/>Hydrology and Hydraulics Lab<br/>2 hr S</p>            | <p>ENGR 2140<br/>CIVE 3410<br/>Intro to Civil Eng. Materials<br/>3 hr F</p>                                                                     | <p>See Catalog<br/>CIVE Elective<br/>3 hr</p>                                    |
| <p>MATH 1050<br/>CHEM 1210*<br/>Chemistry I<br/>CHEM 1215*<br/>Chemistry I Lab<br/>4+1 hr F,S,Su</p> | <p>MATH 1210<br/>PHYS 2210*<br/>Physics I<br/>PHYS 2215*<br/>Physics I Lab<br/>4+1 hr F,S,Su</p> | <p>PHYS 2225,<br/>MATH 1220<br/>PHYS 2220*<br/>Physics II<br/>PHYS 2225*<br/>Physics II Lab<br/>4+1 hr F,S,Su</p>               | <p>ENGR 2010<br/>ENGR 2030*<br/>Engineering Dynamics<br/>3 hr F,S</p>                                        | <p>CIVE 3310<br/>Civil Eng. Fluid Mechanics<br/>3 hr F</p>                | <p>See Catalog<br/>CIVE Elective<br/>3 hr</p>                                                        | <p>CIVE 3410,<br/>CIVE 2130,<br/>ENGR 2140<br/>CIVE 3415<br/>Civil Eng. Materials Lab<br/>2 hr F</p>                                            | <p>Soc/Beh Sci<br/>COMM 2110<br/>Interpersonal Communication<br/>3 hr F,S,Su</p> |
|                                                                                                      |                                                                                                  | <p>OR</p> <p>CHEM 1210,<br/>CHEM 1215<br/>CHEM 1220*<br/>Chemistry II<br/>CHEM 1225*<br/>Chemistry II Lab<br/>4+1 hr F,S,Su</p> | <p>EGDT 1020<br/>Revit,<br/>EGDT 1060<br/>Microstation,<br/>OR<br/>EGDT 2500<br/>Civil3D<br/>3 hr F,S,Su</p> | <p>MATH 2250<br/>CIVE 2450<br/>Numerical Methods Excel<br/>3 hr F</p>     | <p>See Catalog<br/>CIVE Elective<br/>3 hr</p>                                                        | <p>See Catalog<br/>CIVE Elective<br/>3 hr</p>                                                                                                   | <p>Pers/Prof/Gro<br/>PHIL 205G<br/>Ethics &amp; Values<br/>3 hr F,S,Su</p>       |
| <p>Test or<br/>ENGL 1000<br/>ENGL 1010*<br/>Introduction to Writing<br/>3 hr F,S,Su</p>              | <p>Test or<br/>ENGL 1010<br/>ENGL 2010*<br/>Intermediate Writing<br/>3 hr F,S,Su</p>             |                                                                                                                                 |                                                                                                              | <p>GE Biology<br/>Elective<br/>3 hr</p>                                   | <p>Humanities<br/>COMM 1020<br/>Public Speaking<br/>3 hr F,S,Su</p>                                  | <p>GE Fine Arts<br/>Elective<br/>3 hr</p>                                                                                                       | <p>GE American<br/>Institutions<br/>Elective<br/>3 hr</p>                        |