

BS CIVIL ENGINEERING

2018-2019 Academic Year

Pre-Engineering

Civil Engineering

Program Admission:

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

Graduation:

- Complete 126 hrs total with 40 hrs upper division CIVE.
- Overall GPA ≥ 2.5
- C or better in CIVE core and elective courses.
- Residency ≥ 30 hrs at UVU (≥ 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.

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 (16 hrs)	Spring (16 hrs)	Fall (18 hrs)	Spring (17 hrs)	Fall (15 hrs)	Spring (16 hrs)	Fall (15 hrs)	Spring (15 hrs)
MATH 1060 or higher ENGR 1000* Introduction to Engineering 3 hr F,S	EGDT 1040* Fun. Of Tech. Eng. Drawing 3 hr F,S	PHYS 2210 ENGR 2010* Engineering Statics 3 hr F,S	ENGR 2010 ENGR 2030* Engineering Dynamics 3 hr F,S	ENGR 1030, MATH 2250 ENGR 2450 Computational Methods 3 hr F,S	ENGR 2140 CIVE 3210 Geotechnical Engineering 3 hr S	Dept. Approval CIVE 4810 Capstone I 3 hr F	CIVE 4810 Capstone II 3 hr S
MATH 1050, 1060 or 1065 MATH 1210* Calculus I 5 hr F,S,Su	MATH 1210 MATH 1220* Calculus II 5 hr F,S,Su	ENVT 1110* Intro to Env. Mgt. 3 hr F,S,Su	ENGR 2010 ENGR 2140* Mechanics of Materials 3 hr F,S	ENGR 2450 CIVE 3010 Transportation Engineering 3 hr F	ENGR 2450, ME 3310 CIVE 3320 Hydraulics & Hydrology 3 hr S	CIVE 4810 CIVE 4510 CE Senior Seminar 1 hr F	See Catalog CIVE Elective 3 hr
MATH 1050 CHEM 1210* Chemistry I CHEM 1215* Chemistry I Lab 4+1 hr F,S,Su	MATH 1210 PHYS 2210* Physics I PHYS 2215* Physics I Lab 4+1 hr F,S,Su	MATH 1220 MATH 2250* ODEs and Linear Algebra 4 hr	MATH 1220 MATH 2210* Calculus III 3 hr F,S,Su	ENGR 2140 CIVE 3130 Structural Analysis 3 hr F	CIVE 3320 CIVE 3335 Civil Eng. Experiment. I 2 hr S	CIVE 3210 CIVE 4135 Civil Eng. Experiment. II 2 hr F	See Catalog CIVE Elective 3 hr
MATH 1050 CHEM 1210* Chemistry I CHEM 1215* Chemistry I Lab 4+1 hr F,S,Su	MATH 1210 PHYS 2210* Physics I PHYS 2215* Physics I Lab 4+1 hr F,S,Su	PHYS 2225, MATH 1220 PHYS 2220* Physics II PHYS 2225* Physics II Lab 4+1 hr F,S,Su	CHEM 1210 ENGR 2160* Material Science 3 hr F,S	ENGR 2030 ME 3310 Fluid Mechanics 3 hr F	See Catalog CIVE Elective 3 hr	See Catalog CIVE Elective 3 hr	See Catalog CIVE Elective 3 hr
Test or ENGH 1000 ENGL 1010* Introduction to Writing 3 hr F,S,Su	Test or ENGL 1010 ENGL 2010* Intermediate Writing 3 hr F,S,Su	ENGR 1030 Engineering Programming 3 hr	EGDT 1400* Surveying I 3 hr F,S,Su	GE Health Elective 2 hr	Soc./Behavioral Science Interpersonal Communication 2 hr F,S,Su	See Catalog CIVE Elective 3 hr	PHIL 2050 Ethics and Values 3 hr F,S,Su
				GE Biology Elective 3 hr	Humanities Elective Public Speaking 3 hr F,S,Su	GE Fine Arts Elective 3 hr	GE American Institutions Elective 3 hr