



**B.S. Civil Engineering
2020-2021 Catalog**

University of Wyoming			
B.S. Civil Engineering	cr	Min Grade	Notes
USP - University Studies Program Requirements			
USP: First Year Seminar	3	C	FYS
USP: Communications I	3	C	C1
USP: Communications II	3	C	C2
USP: Communications III (CE 3210 CE Materials part of Civil Engineering curriculum)		C	C3
USP: US & Wyoming Constitutions	3	D	V
USP: Human Culture	3	D	H
USP: Quantitative MATH 2200 Calculus I	4	C	Q
USP: Physical & Natural World CHEM 1020 General Chemistry	4	C	PN
PHYS Engineering Physics I or II	4	D	PN
Credit hours subtotal:			27
Civil Engineering Major Courses			
CE 1000 VISTA Studio I	1	C	
CE 1010 CE Tools	3	C	
CE 2000 VISTA Studio II	3	C	
CE 2070 Engineering Surveying	3	D	
CE 3000 VISTA Studio III	3	C	
CE 3200 Structural Analysis I	3	C	
CE 3210 CE Materials	4	C	C3
CE 3300 Hydraulic Engineering	3	C	
CE 3400 Intro to Environmental EN	3	C	
CE 3500 Transportation Engineering	3	C	
CE 3600 Soil Mechanics I	3	C	
CE 4010 Civil Engineering Design	3	C	
CE 4900 Comprehensive Design Ex.	3	C	
ES 2210 Statics	3	C	
ES 2120 Dynamics	3	C	
ES 2410 Mechanics of Materials	3	C	
ES 2310 Thermodynamics	3	C	
ES 2330 Fluid Dynamics	3	C	
Credit hours subtotal:			53
Major Related Courses			
STAT 2050 Fundamentals in Statistics	4	C	
MATH 2205 Calculus II	4	C	

MATH 2210 Calculus III	4	C
MATH 2310 Applied Differential Equations I	3	D
Science Elective	4	
MSTP Elective #1		
MSTP Elective #2		
MSTP Elective #3	11	D
Professional Development Electives - Complete all		
Structural Design PDE		
PD Elective		
PD Elective		
PD Elective		
PD Elective		
	15	C

Credit hours subtotal: 45

B.S. Civil Engineering total credit total: 125

Civil Engineering Major Notes:

- A minimum of 128 hours is required.
- A minimum of 42 hours must be upper division.
- Math, Science, Technical, and Professional Development Electives must be selected with advisor's approval from Department list.
- Advanced Standing/Gateway: Prior to enrolling in upper division CE/ARE courses, students must earn 57 quality points in the following courses: CHEM 1020, PHYS 1210 or 1220, MATH 2200, MATH 2205, ES 2110, ES 2120, and ES 2410.
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all engineering courses, and all courses required for the major. • Grades of C or better are required for all prerequisite courses.
- Students must take either CE 4250 or CE 4260 for the Structural Design requirement. Remaining Professional Development Electives must cover at least two of the following areas: Environmental, Geotechnical, Transportation, Water Resources.
- Students may have a maximum of 6 credits in courses with a grade of D in upper division ARE/CE courses that apply towards their
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.
- No more than two upper division courses may be transferred and applied to the CE degree. CE 4010 and CE 4900 cannot be transferred to UW.

University of Wyoming Requirements

- Students must have a minimum cumulative GPA of 2.0 to graduate.
- Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming.
- Courses must be taken for a single letter grade unless offered only for S/U.
- University Studies Program (USP), Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

The University of Wyoming Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.