



CIVIL ENGINEERING, BSCE

FALL

SPRING

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
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FRESHMAN YEAR

CE 1000	Exploring CAECM		1	C		CE 1010	Civil Engineering Tools		3	C	
						Prerequisite:	Concurrent in MATH 2200				
MATH 2200	Calculus I	Q	4	C		MATH 2205	Calculus II		4	C	
Prerequisite:	C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640					Prerequisite:	C in Math 2200				
CHEM 1020	General Chemistry I	PN	4	C		ES 2110	Statics		3	C	
Prerequisite:	ACT Math 23 or concurrent MATH 1400, 1405 or 1450					Prerequisite:	Concurrent in MATH 2205				
	USP: Communications I	C1	3	C		PHYS 1210	Engineering Physics I		4	D	
						Prerequisite:	or PHYS 1220				
	USP: Human Culture	H	3	D			USP: Communications II	C2	3	C	
	or First Year Seminar					Prerequisite:	C in C1				
Total						15					
Total						17					

SOPHOMORE YEAR

MATH 2210	Calculus III		4	C		MATH 2310	Applied Differential Eqns I		3	D	
Prerequisite:	C in MATH 2205					Prerequisite:	C in MATH 2205				
ES 2120	Dynamics		3	C		ES 2310	Thermodynamics		3	C	
Prerequisite:	C in MATH 2205 and ES 2110					Prerequisite:	C in MATH 2210 and ES 2120				
ES 2410	Mechanics of Materials		3	C		ES 2330	Fluid Dynamics		3	C	
Prerequisite:	C in MATH 2205 and ES 2110					Prerequisite:	C in MATH 2210 and ES 2120				
CE 2070	Engineering Surveying		4	D		CE 3200	Structural Analysis I		3	C	
Prerequisite:	Concurrent in MATH 1450 or MATH 1405					Prerequisite:	Gateway, C in ES 2410				
	USP: US & Wyo Const.	V	3	D			USP: Human Culture	H	3	D	
Total						17					
Total						15					

JUNIOR YEAR

CE 3400	Intro to Environmental Eng		3	C		CE 3110	Professional Practice		3	C	
Prerequisite:	Gateway, C in MATH 2205 and CHEM 1020					Prerequisite:	Gateway				
CE 3210	CE Materials	C3	4	C		CE 3300	Hydraulic Engineering		3	C	
Prerequisite:	Gateway, C in USP C2 and ES 2410					Prerequisite:	Gateway, C in ES 2330				
STAT 2050	Fundamentals in Statistics		4	C		CE 3500	Transportation Engineering		4	C	
Prerequisite:	C in MATH 1400					Prerequisite:	Gateway				
	Science Elective (3rd area)		4	D		CE 3600	Soil Mechanics I		4	C	
	typ. GEOL 1100, 1500, LIFE 1010, ATSC 2100, ENR 1200					Prerequisite:	Gateway, C in ES 2410				
Total						15					
Total						14					

SENIOR YEAR

Prerequisite:	CE PDE		3	C		CE 4010	Civil Engineering Design		3	D	
	Gateway					Prerequisite:	Gateway, C STAT 2050				
Prerequisite:	CE PDE		3	C		CE 4900	Comprehensive Design Exper.		3	D	
	Gateway					Prerequisite:	C in CE 3110 AND three of CE 3200, 3300, 3400, 3500, 3600 AND two of CE 4250, 4260, 4610, 4555, 4510, 4400, 4410, or 4800				
Prerequisite:	CE PDE		3	D			CE PDE		3	D	
	Gateway					Prerequisite:	Gateway				
	CE MSTP Elective		3	D			CE PDE		3	D	
						Prerequisite:	Gateway				
	USP: Human Culture	H	3	D							
Total						15					
Total						12					

Fall only or spring only course

Total Program Credits: 120

- A minimum of 120 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 PDE requirement. The remaining four 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 degree.
- 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.