



CIVIL ENGINEERING, BSCE

FALL

SPRING

Course number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP / CMTS	Credit s	Min Grade	Grade Earned
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FRESHMAN YEAR

CE 1000	Exploring CAECM		1	C		CE 1010	Civil Engineering Tools	3	C		
<i>Prerequisite: Concurrent MATH 1450 or 1405</i>						<i>Prerequisite: Concurrent in MATH 2200</i>					
MATH 2200	Calculus I	Q	4	C		MATH 2205	Calculus II	4	C		
<i>Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>						<i>Prerequisite: C in Math 2200</i>					
	USP: First Year Seminar	FYS	3	C		ES 2110	Statics	3	C		
<i>Prerequisite: Concurrent in MATH 2205</i>						<i>Prerequisite: Concurrent in MATH 2205</i>					
	USP: Communications I	C1	3	C		One of:	PHYS 1210 or PHYS 1220	4	D		
	USP: US & Wyo Const.	V	3	D			USP: Communications II	C2	3	C	
<i>Prerequisite: C in C1</i>						<i>Prerequisite: C in C1</i>					
Total						Total					
14						17					

SOPHOMORE YEAR

CHEM 1020	General Chemistry I	PN	4	C		MATH 2310	Applied Differential Eqns	3	D		
<i>Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450</i>						<i>Prerequisite: C in MATH 2205</i>					
MATH 2210	Calculus III		4	C		ES 2310	Thermodynamics	3	C		
<i>Prerequisite: C in MATH 2205</i>						<i>Prerequisite: C in MATH 2210 and ES 2120</i>					
ES 2120	Dynamics		3	C		ES 2330	Fluid Dynamics	3	C		
<i>Prerequisite: C in MATH 2205 and ES 2110</i>						<i>Prerequisite: C in MATH 2210 and ES 2120</i>					
ES 2410	Mechanics of Materials		3	C			Science Elective	4	D		
<i>Prerequisite: C in MATH 2205 and ES 2110</i>						<i>GEOL 1100, GEOL 1500, OR LIFE 1010</i>					
CE 2070	Engineering Surveying		3	D		CE 3200	Structural Analysis I	3	C		
<i>Prerequisite: Concurrent in MATH 1450 or MATH 1405</i>						<i>Prerequisite: Gateway, C in ES 2410</i>					
Total						Total					
17						16					

JUNIOR YEAR

CE 3400	Intro to Environmental		3	C		CE 3110	Professional Practice	3	C		
<i>Prerequisite: Gateway, C in MATH 2205 and CHEM 1020</i>						<i>Prerequisite: Gateway</i>					
CE 3210	CE Materials	C3	4	C		CE 3300	Hydraulic Engineering	3	C		
<i>Prerequisite: Gateway, C in USP C2 and ES 2410</i>						<i>Prerequisite: Gateway, C in ES 2330</i>					
STAT 2050	Fundamentals in Statistics		4	C		CE 3500	Transportation	4	C		
<i>Prerequisite: C in MATH 1400</i>						<i>Prerequisite: Gateway</i>					
	CE Math/Sci/Tech/Prof Elective		3	D		CE 3600	Soil Mechanics I	4	C		
<i>Prerequisite: Gateway, C in ES 2410</i>						<i>Prerequisite: Gateway, C in ES 2410</i>					
Total						Total					
17						14					

SENIOR YEAR

	CE PDE		3	C		CE 4010	Civil Engineering Design	3	D		
<i>Prerequisite: Gateway</i>						<i>Prerequisite: Gateway, C STAT 2050</i>					
	CE Math/Sci/Tech/Prof Elective		3	D		CE 4900	Comprehensive Design	3	D		
<i>Prerequisite: Gateway</i>						<i>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</i>					
	CE PDE		3	D			CE PDE	3	D		
<i>Prerequisite: Gateway</i>						<i>Prerequisite: Gateway</i>					
	CE PDE		3	D			CE PDE	3	D		
<i>Prerequisite: Gateway</i>						<i>Prerequisite: Gateway</i>					
	Human Culture	H	3	D			CE Math/Sci/Tech/Prof Elective	3	D		
<i>Prerequisite: Gateway</i>						<i>Prerequisite: Gateway</i>					
Total						Total					
15						15					

Fall only or spring only course

Total Program Credits: 125

- A minimum of 125 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 course: 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 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.