



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
FRESHMAN YEAR											
CE 1000	VISTA Studio I		1	C		CE 1010	Civil Engineering Tools	3		C	
Prerequisite: Concurrent MATH 1450 or 1405						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: First Year Seminar	FYS	3	C			USP: Communications II	C2	3	C	
						Prerequisite: C in C1					
	USP: Communications I	C1	3	C			Science Elective		4	D	
						GEOL 1100, GEOL 1500, OR LIFE 1010					
Total 15						Total 17					

SOPHOMORE YEAR

CE 2000	VISTA Studio II		3	C		MATH 2310	Applied Differential Eqns	3		D	
Prerequisite: Concurrent in MATH 2205 and (CE 1010 or ARE 1600)						Prerequisite: C in MATH 2205					
MATH 2210	Calculus III		4	C		ES 2310	Thermodynamics	3		C	
Prerequisite: C in MATH 2205						Prerequisite: C in MATH 2210 and ES 2120					
ES 2120	Dynamics		3	C		ES 2330	Fluid Dynamics	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		One of:	PHYS 1210 or PHYS 1220	4		D	
Prerequisite: C in MATH 2205 and ES 2110											
CE 2070	Engineering Surveying		3	D		CE 3200	Structural Analysis I	3		C	
Prerequisite: Concurrent in MATH 1450 or MATH 1405						Prerequisite: Gateway, C in ES 2410					
Total 16						Total 16					

JUNIOR YEAR

CE 3400	Intro to Environmental		3	C		CE 3000	VISTA Studio III	3		C	
Prerequisite: Gateway, C in MATH 2205 and CHEM 1020						Prerequisite: Gateway, C in CE 2000 and ES 2410					
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	4		C	
Prerequisite: C in MATH 1400						Prerequisite: Gateway					
	Math/Sci/Tech/Prof Elective		3	D		CE 3600	Soil Mechanics I	4		C	
						Prerequisite: Gateway, C in ES 2410					
	USP: Human Culture	H	3	D			PDE or Structural Design	3		C	
						Prerequisite: Gateway					
Total 17						Total 17					

SENIOR YEAR

	USP: US & Wyo Const.	V	3	D		CE 4010	Civil Engineering Design	3		D	
						Prerequisite: Gateway, C in CE 3000 and STAT 2050					
	Math/Sci/Tech/Prof Elective		3	D		CE 4900	Comprehensive Design	3		D	
						C in 3 of CE 3200, 3300, 3400, 3500, 3600 AND C in two of CE 4250, 4260, 4610, 4555, 4510, 4400, 4410, or 4800					
	PDE or Structural Design		3	D			Prof. Development Elective	3		D	
Prerequisite: Gateway						Prerequisite: Gateway					
	Prof. Development Elective		3	D			Prof. Development Elective	3		D	
Prerequisite: Gateway						Prerequisite: Gateway					
	Human Culture	H	3	D			Math/Sci/Tech/Prof Elective	3		D	
Total 15						Total 15					

Fall only or spring only course

Total Program Credits: 128

- 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 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. A student may have a
- 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.