

CIVIL ENGINEERING

Academic Year 2019 - 2020

DRAFT

FALL

SPRING

Course number	Course Title	USP / CMTS	Credits	Min Grade	Grade Earned	Course Number	Course Title	USP / CMTS	Credits	Min Grade	Grade Earned
FRESHMAN YEAR											
CE 1000	VISTA Studio I		1	C		CE 1010	CE TOOLS		3	C	
Fall only	Concurrent in MATH 1450 or MATH 1405						Concurrent in MATH 2200				
MATH 2200	Calculus I	GW	4	C		MATH 2205	Calculus II	GW	4	C	
	MATH 1405 or 1450 or level 5 on MPE, or MATH ACT of 27 or MATH SAT of > 640						C or better in Math 2200 or AP credit in MATH 2200				
CHEM 1020	General Chemistry I	GW	4	D		ES 2110	Statics	GW	3	C	
	ACT 23 or concurrent enrollment MATH 1400, 1405 or 1450						Concurrent in MATH 2205				
	FIRST YEAR SEMINAR	FYS	3	C			COMMUNICATION 2	C2	3	C	
							USP C1				
	COMMUNICATION 1	C1	3	D			Science Elective	#1	4	D	
							Varies				
	US & WYO CONSTITUTION	V	3	D							
Total						18					
SPRING											
Total											
17											

SOPHOMORE YEAR											
CE 2000	VISTA Studio II		3	C		ES 2310	Thermodynamics		3	C	
Fall only	CE 1010 or ARE 1600 and concurrent in MATH 2205						C in MATH 2210 and either ES 2120 or PHYS 1210				
ES 2120	Dynamics	GW	3	C		ES 2330	Fluid Dynamics		3	C	
	C in MATH 2205 and ES 2110						C in MATH 2210 and either ES 2120 or PHYS 1210				
ES 2410	Mechanics of Materials	GW	3	C		MATH 2310	Applied Differential Eqns I		3	C	
	C in MATH 2205 and ES 2110						C in MATH 2205				
MATH 2210	Calculus III		4	C		PHYS 12__	Engineering Physics I or II	GW	4	D	
	C in MATH 2205						(I) 1210: C in MATH 2200 & concurrent in MATH 2205 (II) 1220: C in MATH 2200/2205 & concurrent in MATH 2210				
CE 2070	Engineering Surveying		3	D		CE 3200	Structural Analysis I		3	C	
	Concurrent in MATH 1450 or MATH 1405						Spring only Gateway & ES 2410				
Total						16					
Total											
16											

JUNIOR YEAR											
CE 3000	VISTA Studio III		3	D		CE 3300	Hydraulic Engineering		3	C	
Fall only	Gateway, CE 2000 or ARE 2000 & ES 2410						Spring only Gateway & ES 2330				
CE 3400	Intro to Environmental EN		3	C		CE 3500	Transportation Engineering		3	C	
Fall only	Gateway, MATH 2205 & CHEM 1020						Spring only Gateway				
CE 3210	CE Materials	C3	3	D		CE 3600	Soil Mechanics I		3	C	
	Gateway, USP C2 & ES 2410						Spring only Gateway & ES 2410				
STAT 2050	Fundamentals in Statistics		4	D			Structural Design Elective	#2	3	C	
	C in Math 1000, 1400, or equivalent						CE/ARE 3200				
	Human Culture	H	3	D			MSTP Elective	#1	3	D	
	Varies						Math - Science - Technical - Professional Development				
Total						16					
Total											
15											

SENIOR YEAR											
	Math/Science Elective	#4	4	D		CE 4010	Civil Engineering Design		3	D	
							Spring only CE/ARE 3000 & STAT 2050				
	MSTP Elective	#1	3	D		CE 4900	Comprehensive Design Ex.		3	D	
	Math - Science - Technical - Professional Development						Spring only C in 3 of the following: CE 3200, 3300, 3400, 3500, & 3600 C in 1 of the following: CE 4250, 4260, 4610, 4555, 4510, 4400, 4410, or 4800				
	Prof. Development Elective	#3	3	D			Prof. Development Elective	#3	3	D	
	Prof. Development Elective	#3	3	D			Prof. Development Elective	#3	3	D	
	Human Culture	H	3	D			MSTP Elective	#1	3	D	
Total						16					
Total											
15											

KEY

Fall only
Spring only
Prerequisite(s)

Total Program Credits: 129 _____

GW Course is part of the department "Gateway Requirement" - Students must earn a minimum of 57 quality points prior to enrolling in any upper-division (3000-5000 level) courses
Note #1 Must be selected from department approved list: <http://www.uwoyo.edu/civil/curriculum/advising/ce-elective-list2018-19.pdf>
Note #2 Choose from either CE/ARE 4250 Steel (Fall Only) or CE/ARE 4260 Concrete (Spring Only)
Note #3 Must be selected from department approved list in Note 1 and subjects must cover a least 3 of the following areas: Environmental, Geotechnical, Transportation, and Water Resources
Note #4 Must be selected from department approved list in Note 1 and can only choose either Math or Science