



FALL

SPRING

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

ARE 1000	Exploring CAECM		1	C		ARE 1600	Arch Design Studio I		3	C		
Prerequisite: Concurrent MATH 1450 or 1405						MATH 2205	Calculus II		4	C		
MATH 2200	Calculus I	Q	4	C		Prerequisite: C in Math 2200						
Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640						ES 2110	Statics		3	C		
	USP: First Year Seminar	FYS	3	C		Prerequisite: Concurrent in MATH 2205						
	USP: Communications I	C1	3	C		PHYS 1210	Engr Physics I		4	C		
	USP: US & Wyo Const.	V	3	D		Prerequisite: Concurrent in Math 2205						
Total						14			Total			17

SOPHOMORE YEAR

CHEM 1020	General Chemistry I	PN	4	D		ARE 2410	Fund. Of Bldg.		3	C		
Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450						Prerequisite: C in PHYS 1210						
MATH 2210	Calculus III		4	C		ARE 2600	Arch. Design Studio II		3	C		
Prerequisite: C in MATH 2205						Prerequisite: C in ARE 1600						
ES 2120	Dynamics		3	C		ES 2310	Thermodynamics		3	C		
Prerequisite: C in MATH 2205 and ES 2110						Prerequisite: C in MATH 2210 and either ES 2120 or PHYS 1210						
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 either ES 2120 or PHYS 1210						
One of:	Geology 1100, 1500, or 1600		4	D		ARE 3200	Structural Analysis I		3	C		
						Prerequisite: Gateway, C in ES 2410						
Total						18			Total			15

JUNIOR YEAR

ARE 3600	Arch. Design Studio III		3	C		ARE 3110	Professional Practice		3	C		
Prerequisite: Gateway, C in ARE 2410 and ARE 2600						Gateway						
ART 3030	History of Architecture	H	3	C		ARE 3300	Bldg. Electrical/Plumbing Sys		3	C		
Prerequisite: Gateway, C in C1						Prerequisite: Gateway, C in ARE 1600, Concurrent in ES 2330						
ARE 3400	HVAC of Buildings		3	C			ARE PDE		3	C		
Prerequisite: Gateway, C in ES 2310 and ARE 2410, Concurrent in ES 2330						Prerequisite: Gateway						
ARE 3210	CE Materials	C3	4	C			ARE PDE		3	C		
Prerequisite: Gateway, C in C2 and C in ES 2410						Prerequisite: Gateway						
STAT 2050	Fundamentals in Statistics		4	D		MATH 2310	Applied Differential Eqns		3	C		
Prerequisite: C in MATH 1400						Prerequisite: C in MATH 2205						
Total						17			Total			15

SENIOR YEAR

Prerequisite: Gateway	ARE PDE		3	C		One of:	ARE 4720 or ARE 4740-Capstone		3	C		
Prerequisite: Gateway						Prerequisite: Gateway, C in ARE 3110 for both, plus:						
	ARE PDE		3	C		For ARE 4720: C in ARE 4200, 4250 and 4260 (on concurrent)						
Prerequisite: Gateway						For ARE 4740: C in ARE 3400						
	ARE Math/Sci/Tech/Prof Elective		3	D		ARE 4600	Arch. Design Studio IV		3	C		
						Prerequisite: Gateway, C in ARE 3600						
	ARE Math/Sci/Tech/Prof Elective		3	D			ARE PDE		3	C		
						Prerequisite: Gateway						
	Human Culture Course	H	3	D			ARE PDE		3	C		
						Prerequisite: Gateway						
Total						15			Total			12

Fall only or spring only course Total Program Credits: 123

- A minimum of 123 hours is required. • A minimum of 42 hours must be upper division.
- Math/Science, Option and Major Electives must be selected with advisor's approval from Department list.
- Advanced Standing/Gateway: Prior to enrolling in upper division ARE/CE 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 choose an area of emphasis in either structural or mechanical systems, and select Option Electives and the Capstone Design for their emphasis area. Care should be taken to ensure prerequisites are completed.
- Students may have a maximum of 6 credits in courses with a grade of D in upper division ARE 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 ARE degree. ARE 4720 and ARE 4740 cannot be transferred to UW.