

## 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

USP: First Year Seminar						FYS	3	C			
MATH 2200	Calculus I	Q	4	C		CHE 1005	Intro to CHE Prob. Solving	1	C-		
<i>Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>						<i>Prerequisite: Concurrent in Math 2200</i>					
CHEM 1050	Adv. Gen. Chemistry I	PN	4	C-		MATH 2205	Calculus II	4	C		
<i>Prerequisite: Concurrent in Math 2200</i>						<i>Prerequisite: C in Math 2200</i>					
LIFE 1010	General Biology I	PN	4	D		CHEM 1060	Adv. Gen Chemistry II	4	C		
<i>Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450</i>						<i>Prerequisite: CHEM 1050</i>					
						PHYS 1210	Engr Physics I	4	C		
						<i>Prerequisite: Concurrent in Math 2205</i>					
						USP: Communications I					
						C1	3	C			
Total						Total					
15						16					

### SOPHOMORE YEAR

MATH 2210	Calculus III		4	C		MATH 2310	Applied Differential Eqns I	3	C		
<i>Prerequisite: C in MATH 2205</i>						<i>Prerequisite: C in Math 2205</i>					
CHEM 2420	Organic Chemistry I		4	C		CHEM 2440	Organic Chemistry II	4	D		
<i>Prerequisite: D in CHEM 1060 or CHEM 1030</i>						<i>Prerequisite: D in CHEM 2420</i>					
CHE 2005	Chem Process Analysis		3	C-		CHE 2060	Intro to CHE Computing	3	C-		
<i>Prerequisite: C- in CHEM 1050/1020, Concurrent in MATH 2205</i>						<i>Prerequisite: C- in CHE 1005 and CHE 2005, and Concurrent in MATH 2310</i>					
PHYS 1220	Eng. Physics II		4	D		CHE 2070	Chemical Thermodynamics	3	C-		
<i>Prerequisite: Concurrent in Math 2210</i>						<i>Prerequisite: C- in CHE 2005 and PHYS 1210, and C in MATH 2210</i>					
						CHE 2080	CHE Fluid Mechanics	3	C-		
						<i>Prerequisite: C- in CHE 2005 and PHYS 1210, and C in MATH 2210</i>					
						USP: Communications II					
						C2	3	C			
<i>Prerequisite: C in CI</i>											
Total						Total					
18						16					

### JUNIOR YEAR

CHE 3015	Multicomponent Thermo		3	C-		CHE 3028	Mass Transfer	3	C-		
<i>Prerequisite: C- in CHE 2060 and CHE 2070</i>						<i>Prerequisite: C- in CHE 2005, CHE 2060 and CHE 2080</i>					
CHE 3026	Heat Transfer		3	C-		CHE 3070	Process Sim and Economics	3	C-		
<i>Prerequisite: C- in CHE 2060 and CHE 2080</i>						<i>Prerequisite: C- in CHE 2005, CHE 3015, CHE 3026 and Concurrent in CHE 3028</i>					
CHEM 4507	Physical Chemistry		3	D		CHE 4060	Reaction Engineering	3	C-		
<i>Prerequisite: C in MATH 2210, PHYS 1220, C CHEM 1060/1030</i>						<i>Prerequisite: C- in CHE 3015 and CHE 3026 and Concurrent in CHE 3028</i>					
	Technical Elective		3	D		USP: Human Culture					
						H	3	D			
	Technical Elective		3	D		Technical Elective					
						3	D				
Total						Total					
15						15					

### SENIOR YEAR

CHE 3040	Unit Ops Lab I		3	C-		CHE 4050	Unit Ops Lab II	3	C-		
<i>Prerequisite: C- in CHE 3026, CHE 3028, and CHE 4060</i>						<i>Prerequisite: C- in CHE 3040</i>					
CHE 4070	Process Design I		4	C-		CHE 4080	Process Design II (COM3)	4	C		
<i>Prerequisite: C- in CHE 3028, CHE 3070, and CHE 4060</i>						<i>Prerequisite: C- in CHE 4070 and C in COM2</i>					
CHE 4090	Process Dynamic and Control		3	C-		USP: US & Wyo Const.					
<i>Prerequisite: C- in CHE 3028 and CHE 4060</i>						V	3				
USP: Human Culture						H	3	D			
						Technical Elective					
						3	D				
Technical Elective						Technical Elective					
						3	D				
Total						Total					
16						16					

#### Fall only or spring only course

Total Program Credits: 127

- A minimum of 127 hours is required. • A minimum of 48 hours must be upper division. • 30 hours of upper division must be from UW
- 18 credits of Technical Electives required. • 10 credits of Technical Electives must be upper division. • A minimum of 3 credits of Technical Electives must be CHE • Technical Electives must be selected with advisor's approval from Department list or Department's documented approval.
- No more than (2) upper division CHE transfer courses can be applied to the CHE degree. CHE 4070 and CHE 4080 cannot be transferred to UW. All CHE transfer courses must be completed with a grade of C- or better.
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all engineering courses, and a minimum GPA of 2.0 in all CHE courses attempted at UW.
- Students may not take a course for S/U credit to satisfy any requirement for a degree from the College of Engineering and Applied Science, unless the course is offered for S/U credit only.