

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

CHEM 1020 General Chemistry I	PN	4	D			COSC 1030 Computer Science I		4	C		
<i>Prerequisite: ACT Math 23 or concurrent MATH 1400, 1405 or 1450</i>						<i>Prerequisite: C in COSC 1010</i>					
COSC 1010 Intro to Computer Science		4	C			MATH 2205 Calculus II		4	C		
<i>Prerequisite: C in Math 2200</i>						<i>Prerequisite: C in Math 2200</i>					
USP: First Year Seminar	FYS	3	C			EE/ES > 2000 Any ES, EE, BE course (2000 or higher) or COSC 3011 or COSC 3750		3	D		
USP: Communications I	C1	3	C			PHYS 1210 Engr Physics I		4	C		
<i>Prerequisite: Concurrent in Math 2205</i>						<i>Prerequisite: Concurrent in Math 2205</i>					
MATH 2200 Calculus I	Q	4	C								
<i>Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>											
Total						Total					
18						15					

SOPHOMORE YEAR

COSC 2030 Computer Science II		4	C			COSC 2150 Computer Organization		3	D		
<i>Prerequisite: C in COSC 1030</i>						<i>Prerequisite: C in COSC 1030</i>					
EE/ES > 2000 Any ES, EE, BE course (2000 or higher) or COSC 3011 or COSC 3750		3	D			EE 2220 Circuits and Signals		4	C		
<i>Prerequisite: Concurrent in MATH 2205</i>						<i>Prerequisite: C in ES 2210</i>					
ES 2210 Electric Circuit Analysis		3	C			EE 2390 Digital Systems Design		4	C		
<i>Prerequisite: Concurrent in MATH 2205</i>						<i>Prerequisite: C in MATH 2205 and ES 1060 (or COSC 1010 or COSC 1030)</i>					
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>					
PHYS 1220 Engr Physics II		4	C			MATH 2300 Discrete Structures		3	C		
<i>Prerequisite: Concurrent in MATH 2210</i>						<i>Prerequisite: C in MATH 2200 and COSC 1030</i>					
Total						Total					
18						17					

JUNIOR YEAR

EE 3220 Signals and Systems		3	C			EE 3330 Electronics II		4	D		
<i>Prerequisite: C in EE 2220</i>						<i>Prerequisite: C in EE 2220 and EE 3310</i>					
EE 3310 Electronics I		4	C			EE 4220 Probabilistic Signals and		3			
<i>Prerequisite: Concurrent in EE 2220 and C in PHYS 1220 or C in EE 3150</i>						<i>Prerequisite: C in MATH 2210 and concurrent in EE 3220</i>					
EE 4490 HDL Digital Design		3	D			EE 4390 Microprocessors		3			
<i>Prerequisite: C in EE 2390</i>						<i>Prerequisite: C in EE 2390</i>					
USP: Communications II	C2	3	C			Math/ Science Elective		3			
<i>Prerequisite: C in C1</i>						USP: Human Culture					
USP: Human Culture	H	3	D				H	3	D		
Total						Total					
16						16					

SENIOR YEAR

One of COSC 4760 (3) OR EE 4870 (4)		3				EE 4830 Senior Design II	C3	2	C		
<i>Prerequisite: Varies</i>						<i>Prerequisite: C in EE 4820, concurrent in design courses</i>					
EE 3150 Electromagnetics		3	C			CPEN Elective		3			
<i>Prerequisite: C in ES 2210, MATH 2210, and concurrent in PHYS 1220</i>						CPEN Elective					
EE 4820 Senior Design I		2	C			CPEN Elective		3			
<i>Prerequisite: C in EE 2220, EE 2390, and C2; Concurrent in EE 3310 and 6 credits of 4000-level EE/BE courses</i>						CPEN Elective					
EE or BE Elective (>4000)		3	D			CPEN Elective		3			
USP: US & Wyo Const.	V	3	D			CPEN Elective		3			
Total						Total					
14						14					

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, CPEN and BE/EE Electives must be selected with advisor's approval from Department list. • A maximum of 2 CPEN electives can be from the computer science department. •EE 4075 is not allowed as a CPEN Elective.
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all engineering courses.
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.
- PHYS 1210 must be taken prior to or concurrently with ES 2120. PHYS 1220 should be taken prior to or concurrently with ES 2210.
- Grades of C or better are required for all courses that are prerequisites for courses within the students course of study and all required MATH courses.
- EE 1101 is recommended for EE and CPEN majors for their FYS requirement.