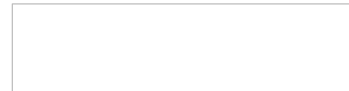


COMPUTER ENGINEERING

Academic Year 2019 - 2020



FALL

SPRING

Course number	Course Title	USP / CMTS	Credits	Min Grade	Grade Earned	Course Number	Course Title	USP / CMTS	Credits	Min Grade	Grade Earned
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FRESHMAN YEAR

1101	First Year Seminar	FYS	3	C	
COSC 1010	Intro to Computer Science		4	C	
MATH 2200	Calculus I	Q	4	C	
	MATH 1405 or 1450, or MPE 5, or ACT 27/SAT > 640				
ENGL 1010	College Composition & Rhetoric	COM1	3	C	
CHEM 1020	General Chemistry I	PN	4	D	
	ACT 23 or MATH 1400 or MATH 1450				

COSC 1030	Computer Science I		4	C	
	COSC 1010 or equivalent experience				
ES 2110	Statics*		3	C	
	MATH 2205, or concurrent. *Or any ES, EE, BE course (2000+ level), or COSC 3011 or COSC 3750				
MATH 2205	Calculus II		4	C	
	Math 2200				
PHYS 1210	Engineering Physics I	PN	4	C	
	Math 2200				

Total 18

Total 15

SOPHOMORE YEAR

COSC 2030	Computer Science II		4	C	
	COSC 1030				
ES 2120	Dynamics*		3	C	
	ES 2110 and MATH 2205; PHYS 1210 or concurrent *Or any ES, EE, BE course (2000+ level), or COSC 3011 or COSC 3750				
ES 2210	Electric Circuit Analysis		3	C	
	MATH 2205 or concurrent				
MATH 2210	Calculus III		4	C	
	MATH 2205				
PHYS 1220	Engr Physics II		4	C	
	MATH 2210 or concurrent				

Total 18

COSC 2150	Computer Organization		3	D	
	COSC 1030				
COSC 2300	Discrete Structures		3	D	
	MATH 2200 and COSC 1030				
EE 2390	Digital Systems Design		4	C	
	MATH 2205 and ES 1060 (or COSC 1010 or COSC 1030)				
EE 2220	Circuits and Signals		4	C	
	ES 2210				
MATH 2310	Applied Differential Eqns I		3	C	
	MATH 2205				

Total 17

JUNIOR YEAR

EE 3220	Signals and Systems		3	C	
	EE 2220				
EE 3310	Electronics I		4	C	
	PHYS 1220 or EE 3150, and EE 2220 or concurrent				
EE 4490	HDL Digital Design		3	D	
	EE 2390				
	Communication II course	COM2	3	C	
	USP-COM1				
	Human Culture Elective	H	3		

Total 16

EE 3330	Electronics II		4		
	EE 2220 and EE 3310				
EE 4220	Probabilistic Signals and Systems		3		
	EE 3220 and MATH 2210				
EE 4390	Microprocessors		3		
	EE 2390, and PHYS 1220 or ES 2210				
	Math/ Science Elective		3		
	Human Culture Elective	H	3		

Total 16

SENIOR YEAR

COSC 4760	Computer Networks*		3		
	COSC 2030 EE 4870 Network Hardware (4 cr.). Prerequisite, EE 2390. Fall only.	*Or			
EE 3150	Electromagnetics		3	C	
	ES 2210, MATH 2210, and PHYS 1220 or concurrent				
EE 4820	Senior Design I		2	C	
	EE 2220, EE 2390, & EE 3310 or concurrent enrollment, plus 6 hours of 4000 level EE/BE courses or concurrent enrollment. COM2				
	EE or BE Elective		3		
	USP - US & WY Constitution	V	3		

Total 14

EE 4830	Senior Design II	COM3	2	C	
	EE 4820				
	CPEN Elective		3		
	CPEN Elective		3		
	CPEN Elective		3		
	CPEN Elective		3		

Total 14

Total Program Credits: 128

KEY

- Fall only
- Spring only
- Prerequisite(s)

Note: A minimum of 48 credit hours must be upper division.