

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

COSC 1010	Intro to Comp Science		4	C		COSC 1030	Computer Science I		4	C	
						Prerequisite:	C in COSC 1010				
MATH 2200	Calculus I	Q	4	C		MATH 2205	Calculus II	Q	4	C	
	Prerequisite:						C in Math 2200				
	Science Elective- see list	PN	4	D			Science Elective- see list	PN	4	D	
	USP: First Year Seminar	FYS	3	C			USP: Communications I	C1	3	C	
Total						Total					
15						15					

SOPHOMORE YEAR

COSC 2150	Computer Organization		3	C		COSC 3011	Intro to Software Design		3	C	
	Prerequisite:						C in COSC 2030				
COSC 2030	Computer Science II		4	C		COSC 3020	Alg & Data Structures		4	C	
	Prerequisite:						C in COSC 2030 and COSC 2300				
COSC 2300	Discrete Structures		3	C		MATH 2250	Elementary Linear Algebra		3	C	
	Prerequisite:						C in Math 2200 or Math 2350				
	USP: Human Culture	H	3	D			USP: Human Culture	H	3	D	
	USP: Communications II	C2	3	C			General Elective		3	D	
	Prerequisite:						C in C1				
Total						Total					
16						16					

JUNIOR YEAR

COSC 3015	Functional Programming		3	C		COSC 3050	Ethics for Computer Prof		1	C	
	Prerequisite:						Junior Standing, COSC Major				
COSC	Systems Course (4760 or 4820)		3	C		COSC	Theory Course (4100 or 4200)		3	C	
	Prerequisite:						Varies				
COSC	COSC Elective I		3	C		COSC	COSC Elective II		3	C	
	Prerequisite:						Varies				
	Math/Science Elective - see list		4	C			Upper Division Elective		3	D	
	USP: US & Wyo Const.	V	3	D			Upper Division Elective		3	D	
Total						Total					
16						13					

SENIOR YEAR

COSC 4950	Senior Design I		1	C		COSC 4955	Senior Design II		2	C	
	Prerequisite:						C in COSC 4950				
COSC	O/S Course (3750 or 4740)		3	C		COSC	Prog. Lang Course (4785 or 4780)		3	C	
	Prerequisite:						Varies				
One of:	STAT 2050 or STAT 2070		4	C		COSC	COSC Elective III		3	C	
							Varies				
	USP: Communications III	C3	3	C		COSC	COSC Elective IV		3	C	
	Prerequisite:						Varies				
	Upper Division Elective		3	D			General Elective		4	D	
Total						Total					
14						15					

Fall only or spring only course

Total Program Credits: 120

- A minimum of 120 hours is required. A minimum of 42 hours must be upper division. A minimum of 30 hours must be math/science.
- All COSC, MATH and STAT courses require a minimum grade of C.
- COSC electives must be at or above the 3000 level. A maximum of 3 credit hours of COSC 3970 (internship) can be used.
- Math/Science Electives must be selected with advisor's approval from Department list. Science courses must have a lab. Math courses must be at or above MATH 2205 or STAT 3000. Cannot count MATH 2350, MATH 2355, MTH 4000, STAT 4220 or any variable credit course. Four hours of Math/Science Electives are required. Two 3-credit courses can also be used.
- General Electives cannot meet any other requirement for the major, and should be select to satisfy the 42-credit upper division requirement.
- Courses for requirements with options (Systems, Programming Language, Theory, O/S) are offered in alternating semesters. See your advisor for clarification.
- Degree candidates must meet the academic requirements of the university.
- 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.