

COMPUTER SCIENCE – 2009 to Present

	FALL	Grade	SPRING	Grade
FRESHMAN YEAR				
ES	1000 Orientation to Engr (I, L)	1 _____	MATH 2205 Calculus II	4 _____
MATH	2200 Calculus I	4 _____	Science II ⁽¹⁾	4 _____
	Science I ⁽¹⁾	4 _____	COSC 1030 Computer Science I	4 _____
COSC	1010 Intro Programming	4 _____	COJO 1010 Public Speaking	3 _____
ENGL	1010 English Comp I	3 _____	PEAC 1001 PE Activity	1 _____
		16		16

SOPHOMORE YEAR				
COSC	2150 Computer Organization	3 _____	MATH Math Elective ⁽²⁾	3 _____
COSC	2030 Computer Science II	4 _____	COSC 3011 Software Design	3 _____
COSC	2300 Discrete Structures	3 _____	COSC 3020 Algor and Data Struct	4 _____
	Foreign Language I ⁽³⁾	4 _____	Foreign Language II ⁽³⁾	4 _____
	Cultural Context	3 _____	Cultural Context	3 _____
		17		17

JUNIOR YEAR				
COSC	3015 Functional Programming	3 _____	COSC COSC Elective ⁽⁶⁾	3 _____
COSC	OS Course ⁽⁷⁾	4 _____	Science Elective ⁽⁴⁾	4 _____
COSC	COSC Elective ⁽⁶⁾	3 _____	COSC 3050 Ethics	1 _____
	Science Elective ⁽⁴⁾	4 _____	Cultural Context	3 _____
	US & Wyo Constitutions	3 _____	MATH Math Elective ⁽²⁾	3 _____
		17		14

SENIOR YEAR				
COSC	4950 Senior Design I	1 _____	COSC 4955 Senior Design II	2 _____
COSC	System Course ⁽⁸⁾	3 _____	COSC COSC Elective ⁽⁶⁾	3 _____
STAT	4220 Engineering Statistics	3 _____	COSC COSC Elective ⁽⁶⁾	3 _____
COSC	Theory Course ⁽⁹⁾	3 _____	COSC Prog Lang Course ⁽¹⁰⁾	3 _____
ENGL	4010 Sci & Tech Writing (WC)	3 _____	UDNC ⁽⁵⁾	3 _____
	UDNC ⁽⁵⁾	3 _____		
		16		14

Total Hours: 127

A grade of C or better must be earned in all COSC, MATH and STAT courses

- ⁽¹⁾ Science I & II: CHEM 1020 & 1030 or LIFE 1010 & (2022 or 2023) or PHYS 1210 & 1220 or PHYS 1310 & 1320
- ⁽²⁾ Math Elective: MATH 2210 or higher (except for MATH 4000, 4100, 4150, 4800), COSC 4320, 4340 or STAT 3000-5999
- ⁽³⁾ Foreign Language I & II: Two semesters of a single foreign language including American Sign Language, or credit by exam, AP, or CLEP
- ⁽⁴⁾ Science Electives: Any USP S, SP, SB, SE including EE 2390
- ⁽⁵⁾ UDNC: Upper Division (3000- or 4000-level) Non-COSC Course
- ⁽⁶⁾ COSC Electives (total of 12 hours): Any 3000+ COSC course, not fulfilling another requirement.
1 of the 4 COSC Electives can be from the Computer Engineering (CPEN) Elective List
- ⁽⁷⁾ Operating Systems Course: COSC 4740
- ⁽⁸⁾ System Course: COSC 4820 or 4760
- ⁽⁹⁾ Theory Course: COSC 4100 or 4200
- ⁽¹⁰⁾ Programming Language Course: COSC 4780 or 4785

Cultural context must meet the following requirements:

- 1) 1-CH course, 1-CS course, 1-CA course
- 2) 1-WB course, 1-G course, 1-D course

A minimum of 48 credit hours must be upper division (3000+) level.