

COMPUTER SCIENCE – 2006-2007

FALL		Grade	SPRING		Grade
FRESHMAN YEAR					
ES	1000 Orientation to Engr (I, L, O)	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		Oral Communications (O)	3
ENGL	1010 English Comp I	3	PEAC	1001 PE Activity	1
		<u>16</u>			<u>16</u>
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
		<u>17</u>			<u>17</u>
JUNIOR YEAR					
COSC	3015 Functional Programming	3	COSC	COSC Elective ⁽⁶⁾	3
COSC	OS Course ⁽⁷⁾	3		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
		<u>16</u>			<u>14</u>
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			
		<u>16</u>			<u>14</u>

Total Hours: 126

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

- ⁽¹⁾ Science I & II: CHEM 1020 & 1030 or BIOL 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, American Sign Language, or credit by exam, AP, or CLEP
- ⁽⁴⁾ Science Electives: ASTR 2310; BIOL 1010, 2022, 2023; CHEM 1020, 1030, 1050; ES 2110, 2120; GEOL 1100, 1200, 2000; PHYS 1210, 1220, 1310, 1320, 2310; COSC/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.