

COMPUTER SCIENCE – 2006-2008

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 _____
	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 _____
	4 _____	Foreign Language II ⁽³⁾	4 _____
Foreign Language I ⁽³⁾	4 _____	Cultural Context	3 _____
Cultural Context	3 _____		<u>3</u>
	<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 _____
	4 _____	Cultural Context	3 _____
Science Elective ⁽⁴⁾	4 _____	MATH Math Elective ⁽²⁾	3 _____
US & Wyo Constitutions	3 _____		<u>3</u>
	<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>3</u>
	<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 including American Sign Language, or credit by exam, AP, or CLEP
- ⁽⁴⁾ Science Electives: Any USP S, SP, SB, SE including ES 2110, 2120, 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.