

COMPUTER SCIENCE INTERNATIONAL ENGINEERING CONCENTRATION– 2006-2008

FALL		Grade	SPRING		Grade
FRESHMAN YEAR					
ES	1000 Orientation to Engr (I, L)	1 _____	MATH	2205 Calculus II	4 _____
MATH	2200 Calculus I	4 _____		Foreign Language II	4 _____
	Foreign Language I ⁽³⁾	4 _____	COSC	1030 Computer Science I ⁽³⁾	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 III ⁽³⁾	4 _____		Foreign Language IV ⁽³⁾	4 _____
	Science I ⁽¹⁾	4 _____		Science II ⁽¹⁾	4 _____
		<u>18</u>			<u>18</u>

JUNIOR YEAR					
COSC	3015 Functional Programming	3 _____		<i>Study Aboard semester</i>	_____
COSC	OS Course ⁽⁷⁾	3 _____	COSC	COSC Elective ⁽⁶⁾	3 _____
COSC	COSC Elective ⁽⁶⁾	3 _____		Science Elective ⁽⁴⁾	4 _____
	Science Elective ⁽⁴⁾	4 _____		UDNC ⁽⁵⁾	3 _____
	US & Wyo Constitutions	3 _____	MATH	Math Elective ⁽²⁾	3 _____
		<u>16</u>			<u>13</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 _____	Cosc	3050 Ethics	1 _____
	UDNC ⁽⁵⁾	3 _____			
		<u>16</u>			<u>12</u>

Total Hours: 125

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 4 semesters of the same foreign lanaguage
- ⁽⁴⁾ Science Electives: Any S, SB, SE, SP including ES 2110, 2120, and 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.