

COMPUTER SCIENCE INTERNATIONAL ENGINEERING CONCENTRATION – 2009

FALL		Grade	SPRING		
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 _____	COJO	1010 Public Speaking	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⁾	3
	Science I ⁽¹⁾	4 _____		Science II ⁽¹⁾	4
		<u>18</u>			<u>17</u>
JUNIOR YEAR					
COSC	3015 Functional Programming	3 _____		<i>Study Aboard semester</i>	
COSC	OS Course ⁽⁷⁾	4 _____	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>17</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>1</u>
		<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 language
- ⁽⁴⁾ Science Electives: Any S, SB, SE, SP 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

WB course can be combined with an UDNC course or taken separately

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



Grade

