

Computer Science COMPUTERS AND BUSINESS CONCENTRATION – 2011 To Present

FALL		Grade	SPRING		Grade
<b>FRESHMAN YEAR</b>					
ES	1000 Orientation to Engr (I, L)	1 _____	MATH	Calculus II <sup>(2)</sup>	4 _____
MATH	Calculus I <sup>(2)</sup>	4 _____		Science II <sup>(1)</sup>	4 _____
	Science I <sup>(1)</sup>	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
<b>SOPHOMORE YEAR</b>					
COSC	2150 Computer Organization	3 _____	IMGT	2400 Intro to Infor Manage	3 _____
COSC	2030 Computer Science II	4 _____	COSC	3011 Software Design	3 _____
COSC	2300 Discrete Structures	3 _____	COSC	3020 Algor and Data Struct	4 _____
ACCT	1010 Prin of Acct I	3 _____	ACCT	1020 Prin of Acct II	3 _____
	Cultural Context	3 _____		Cultural Context	3 _____
		16			16
<b>JUNIOR YEAR</b>					
STAT	Stat course <sup>(3)</sup>	4 _____	MGT	3210 Intro to Marketing	3 _____
IMGT	3400 Database Mgt Sys	3 _____		Science Elective <sup>(4)</sup>	4 _____
COSC	Operating System Course <sup>(9)</sup>	3 _____	COSC	3050 Ethics	1 _____
	Science Elective <sup>(4)</sup>	4 _____		Cultural Context	3 _____
	US & Wyo Constitutions	3 _____		Business Elective <sup>(7)</sup>	3 _____
		17			14
<b>SENIOR YEAR</b>					
COSC	4950 Senior Design I	1 _____	COSC	4955 Senior Design II	2 _____
COSC	System Course <sup>(8)</sup>	3 _____	COSC	COSC Elective <sup>(6)</sup>	3 _____
	Business Elective <sup>(7)</sup>	3 _____	COSC	COSC Elective <sup>(6)</sup>	3 _____
COSC	4210 Analysis & Design info	3 _____	COSC	4220 Design & Impl in Emrg Env	3 _____
ENGL	4010 Sci & Tech Writing (WC)	3 _____		UDNC <sup>(5)</sup>	3 _____
MKT	3210 Manag and Organiz	3 _____			
		16			14

Total Hours: 125

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

<sup>(1)</sup> Science I & II: CHEM 1020 & 1030 or CHEM 1050 & 1060 or LIFE 1010 & 2022 or PHYS 1210 & 1220 or PHYS 1310 & 1320

<sup>(2)</sup> Calculus I & II: MATH 2200 & 2205 or MATH 2350 & 2355

<sup>(3)</sup> Statistics STAT 2010, 2050, or 2070

<sup>(4)</sup> Science Electives: Any USP S, SE, SB, SP including EE 2390;

<sup>(5)</sup> UDNC: Upper Division (3000-level or higher) Non-COSC Course

<sup>(6)</sup> COSC Electives (total of 6 hours): Any 3000+ COSC course, not fulfilling another requirement.

<sup>(7)</sup> BUSINESS Electives (total of 6 hours): Any 3000+ Business course

<sup>(8)</sup> System Course: COSC 4820 or 4760

<sup>(9)</sup> Operating System Course: COSC 4740 or 4750 or 3750

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.**