

Computer Science COMPUTERS AND BUSINESS CONCENTRATION – 2013 To Present

FALL		Grade	SPRING		Grade
FRESHMAN YEAR					
ES	1000 Orientation to Engr (I, L)	1 _____	MATH	Calculus II ⁽²⁾	4 _____
MATH	Calculus I ⁽²⁾	4 _____		Science II ⁽¹⁾	4 _____
	Science I ⁽¹⁾	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
SOPHOMORE YEAR					
COSC	2150 Computer Organization	3 _____	MGT	1040 Legal Env of Business	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
JUNIOR YEAR					
STAT	Stat course ⁽³⁾	4 _____	MGT	3210 Intro to Marketing	3 _____
MGT	3110 Business Ethics	3 _____		Science Elective ⁽⁴⁾	4 _____
COSC	Operating System Course ⁽⁸⁾	3 _____	COSC	3050 Ethics	1 _____
	Science Elective ⁽⁴⁾	4 _____	COSC	4820 Database	3 _____
	US & Wyo Constitutions	3 _____	FIN	3250 Corporate Finance	3 _____
		17			14
SENIOR YEAR					
COSC	4950 Senior Design I	1 _____	COSC	4955 Senior Design II	2 _____
COSC	COSC Elective ⁽⁶⁾	3 _____	COSC	COSC Elective ⁽⁶⁾	3 _____
	Business Elective ⁽⁷⁾	3 _____	COSC	Cultural Context	3 _____
COSC	4210 Analysis & Design info	3 _____	COSC	4220 Design & Impl in Emrg Env	3 _____
ENGL	4010 Sci & Tech Writing (WC)	3 _____		UDNC ⁽⁵⁾	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

⁽¹⁾ Science I & II: CHEM 1020 & 1030 or CHEM 1050 & 1060 or LIFE 1010 & 2022/3 or PHYS 1110&1120 or PHYS 1210 & 1220 or PHYS 1310 & 1320

⁽²⁾ Calculus I & II: MATH 2200 OR MATH 2350 and MATH 2205 or 2355

⁽³⁾ Statistics STAT 2010, 2050, or 2070

⁽⁴⁾ Science Electives: Any USP S, SE, SB, SP including EE 2390, Excluding excluding LIFE 1002 and CHEM 1000

⁽⁵⁾ UDNC: Upper Division (3000-level or higher) Non-COSC Course

⁽⁶⁾ COSC Electives (total of 3 hours): Any 3000+ COSC course, not fulfilling another requirement.

⁽⁷⁾ BUSINESS Electives (total of 6 hours): Any 3000+ Business course

⁽⁸⁾ 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.

It is highly recommended that students declare a Business minor, since they will meet all the requirements without any additional courses.

If you are planning on attending graduate school, then you should take COSC 4740 for the operating systems course and COSC 4100 and COSC 4780 for the two computer science electives.