

Computer Science Computers and Business Concentration, B.S.



University of Wyoming

Freshman Fall Semester			Hrs	Min Grade	Notes
COSC	1010	Introduction to Computer Science	4	C	
MATH	2200	Calculus I	4	C	
		Science Series I	4		Note 1
	1101	First Year Seminar	3		USP FYS requirement course, any department
Credit hours subtotal:			15		

Freshman Spring Semester			Hrs	Min Grade	Notes
COSC	1030	Computer Programming I	4	C	
MATH	2205	Calculus II	4	C	
		Science Series II	4		Note 1
		Communications Course I	3		USP COM1 requirement course
Credit hours subtotal:			15		

Sophomore Fall Semester			Hrs	Min Grade	Notes
COSC	2030	Computer Programming II	4	C	
COSC	2150	Computer Organization	3	C	
COSC	2300	Discrete Structures	3	C	Cross listed with MATH 2300
ACCT	1010	Principles of Accounting I	3	C	
		Humanities Course I	3		USP H requirement course
Credit hours subtotal:			16		

Sophomore Spring Semester			Hrs	Min Grade	Notes
COSC	3011	Software Design	3	C	
COSC	3020	Algorithms and Data Structures	4	C	
MGT	1040	Legal Environment of Business	3	C	
ACCT	1020	Principles of Accounting II	3	C	
		Humanities Course II	3		USP H requirement course
Credit hours subtotal:			16		

Notes:

1. Must complete two course from a tightly-coupled series. Either CHEM 1020 & 1030 or CHEM 1050 & 1060 or PHYS 1110 & 1120 or PHYS 1210 & 1220 or PHYS 1310 & 1320 or LIFE 1010 & (2022 Or 2023). The CHEM, PHYS, and LIFE 1010 courses all meet the USP PN requirement.

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Junior Fall Semester			Hrs	Min Grade	Notes
COSC		Operating System Course	3	C	Note 2
STAT		Statistics Course	4	C	Note 3
MGT	3110	Business Ethics	3	C	
		Science Elective I	4		Note 4
		US & Wyoming Constitution	3		USP V requirement course
Credit hours subtotal:			17		

Junior Spring Semester			Hrs	Min Grade	Notes
COSC	3050	Ethics for the Computer Professional	1	C	
COSC	4820	Databases	3	C	
MGT	3210	Management and Organization	3	C	
FIN	3250	Corporate Finance	3	C	
		Science Elective II	4		Note 4
Credit hours subtotal:			14		

Senior Fall Semester			Hrs	Min Grade	Notes
COSC	4210	Analysis and Design of Information Systems	3	C	
COSC	4950	Senior Design I	1	C	
COSC		COSC Elective I	3	C	Note 5
MKT	3210	Introduction to Marketing	3	C	
		Business Elective	3	C	3000 level or higher course, College of Business
		Communications Course II	3		USP COM2 requirement course
Credit hours subtotal:			16		

Senior Spring Semester			Hrs	Min Grade	Notes
COSC	4220	Design and Implementation	3	C	
COSC	4955	Senior Design II	2	C	
COSC		COSC Elective II	3	C	Note 5
		Communications Course III	3	C	USP COM3 requirement course
		Upper Division Elective	3		3000 level or higher course, any department.
Credit hours subtotal:			14		

TOTAL CREDIT HOURS: 123

Notes:

- Choose one of COSC 3750: Linux Programming or COSC 4740: Operating Systems or COSC 4750: Systems Programming.
- Choose one of STAT 2010/2050/2070.
- See Department web pages for a current list of approved courses. If the USP PN requirement has not already been met, choose courses which are also approved for the USP PN.
- Total of 6 hours of Upper Division COSC electives. At most 3 hours of COSC 3970 (Internship) can be counted toward this requirement.