

Computer Science, Computers and Business 18-19 Catalog

Freshman Fall Semester				Freshman Spring Semester			
COSC 1010	Intro to Programming	4		COSC 1030	Computer Science I	4	
MATH 2200	Calculus I	4		MATH 2205	Calculus II	4	
	Science Course (note 1)	4			Science Course (note 1)	4	
1101	First Year Seminar (note 2)	3			Comm Course (COM1)	3	
15				15			
Sophomore Fall Semester				Sophomore Spring Semester			
COSC 2150	Computer Organization	3		COSC 3011	Software Design	3	
COSC 2030	Computer Science II	4		COSC 3020	Algorithms	4	
COSC 2300	Discrete Structures	3		MATH 2250	Linear Algebra	3	
	Humanities Course I	3			Humanities Course II	3	
	Comm Course (COM2)	3			Business Course (note 3)	3	
16				16			
Junior Fall Semester				Junior Spring Semester			
COSC 3015	Functional Programming	3		COSC 3050	Ethics	1	
COSC	O/S Course (note 4)	3		COSC	Theory Course (note 5)	3	
COSC	COSC Elective I (note 6)	3		COSC 4820	Database Systems	3	
	Math or Sci Elec. I (note 7)	3		COSC	COSC Elective II (note 6)	3	
	US & Wyo Constitution (V)	3			Math or Sci Elec. II (note 7)	3	
					Business Course (note 3)	3	
15				16			
Senior Fall Semester				Senior Spring Semester			
COSC 4950	Senior design I	1		COSC 4955	Senior Design II	2	
COSC 4210	Analysis and Design	3		COSC 4220	Design and Implementation	3	
COSC	Prog Lang Course (note 8)	3			Business Course (note 3)	3	
STAT	Statistics (note 9)	4			Business Course (note 3)	3	
	Comm Course (COM3)	3			Business Course (note 3)	3	
	Business Course (note 3)	3					
17				14			

NOTES

A minimum of 120 hours is required for the degree, 30 hours of math and science.

All COSC, MATH, and STAT courses require a grade of C or better.

Note 1 4-Hour PN course, for science majors, must have a lab.

Note 2 Any FYS, any department. Must complete in first year.

Note 3 Courses required by chosen business minor. May require more than 18 hours. See www.uwyo.edu/aao/business-minors.

Note 4 One of COSC 4740 (fall) or COSC 3750 (spring).

Note 5 One of COSC 4100 or COSC 4200 (spring).

Note 6 Upper division course, only 3 hours of COSC 3970 can count toward degree.

Note 7 Math courses 2000 or above except 2200, 2205, 2250, 2350, 2355, 4000, or variable length courses. Science courses same as Note 1.

Note 8 One of COSC 4785 (fall) or COSC 4780 (spring).

Note 9 One of STAT 2010, 2050, 2070.