

Computer Science, BS

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			General Elective (note 3)	3
			16				16
Junior Fall Semester				Junior Spring Semester			
COSC	3015	Functional Programming	3	COSC	3050	Ethics	1
COSC		Systems Course (note 4)	3	COSC		Theory Course (note 5)	3
COSC		COSC Elective I (note 6)	3	COSC		COSC Elective II (note 6)	3
		Math or Sci Elec. I (note 7)	3			Math or Sci Elec. II (note 7)	3
		US & Wyo Constitution (V)	3			Up Div Elective I (note 8)	3
			15				16
Senior Fall Semester				Senior Spring Semester			
COSC	4950	Senior design I	1	COSC	4955	Senior Design II	2
COSC		O/S Course (note 9)	3	COSC		Prog Lang Course (note 10)	3
STAT		Statistics (note 11)	4			COSC Elective III (note 6)	3
		Up Div Elective III (note 8)	3			COSC Elective IV (note 6)	3
		Comm Course (COM3)	3			Up Div Elective IV (note 8)	3
			14				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 Any course, any level, any department.

Note 4 One of COSC 4760 (fall) or COSC 4820 (spring).

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

Note 6 Upper Division course, only 3 hours of COSC 3970 can count towards the 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 Any course, 3000 or above, any department.

Note 9 One of COSC 4740 (fall) or COSC 3750 (spring).

Note 10 One of COSC 4785 (fall) or COSC 4780 (spring).

Note 11 One of STAT 2010, 2050, 2070.