

COMPUTER SCIENCE UNDERADUATE MAJOR

Computer science requirements are subject to minor program changes. The published curricula are general guides. Students should consult the department office or Web pages (<http://www.cs.uwyo.edu>) for current information.

Students must complete ENGL 4010; COSC 1010, 1030, 2030, 2150, 2300, 3011, 3015, 3020, 3050, 4950, 4955, Theory course: 4100 or 4200, Operating System course: 4740, Programming Language course: 4780 or 4785, System course: 4820 or 4760; and 12 semester hours of COSC courses at 3000+ level and above not fulfilling another requirement, 3 hours can be from the Computer Engineering [CPEN] electives.

The science requirement is PHYS 1210 and 1220, or 1310 and 1320, or BIOL 1010 and 2022 or 2023 or 2210, or CHEM 1020 and 1030; two additional courses from among ASTR 2310, BIOL 1010, 2022 or 2023 or 2210, CHEM 1020, 1030, 1050, ES 2210, 2120, GEOL 1100, 1200, 2000, PHYS 1210, 1220, 1310, 1320, 2310, EE 2390.

The mathematics requirement is MATH 2200, 2205, STAT 4420 and 6 semester hours selected from among MATH 2210, or higher numbered courses, COSC 4340 or STAT 3000- or 4000-level courses, except for MATH 2350, 2355, 4000 and variable-credit courses. Recommend: MATH 2250 and 3500.

The foreign language requirements is two semesters of a single foreign language (or one semester at the 2nd or 3rd-semester level), American Sign Language, or satisfactory score on one of the following; Departmental Examination, College Level Examination Program, Advanced Placement Examination. Refer to languages department section in this bulletin for detailed information.

Additional requirements: 6 upper-division hours, in non COSC courses. All COSC, MATH, and STAT courses must have a grade of C or better.

SUGGESTED B.S. PROGRAM IN COMPUTER SCIENCE

Course Sequence of Major requirements

In addition to taking the courses listed above, students must also choose courses that satisfy the following University Studies Program requirements: Writing 1 (WA), Writing 2 (WB), Writing 3 (WC), three cultural context courses (CH, CS, CA), oral communications (O), U.S. and Wyoming Constitutions requirement (V), Global Awareness (G), Information Literacy (L), U.S. Diversity (D), Intellectual Community (I) and Physical Activity (P). In addition, the student's program must fulfill the university requirement of 48 semester credit hours in upper division (junior/senior) or graduate-level courses. Students are free to satisfy program requirements in any order that complies with course prerequisites.

FRESHMAN YEAR: Fall	<i>Hrs.</i>
ES 1000	1
COSC 1010	4
MATH 2200	4
SCIENCE I	4
ENGL 1010	3

FRESHMAN YEAR: Spring	<i>Hrs.</i>
COSC 1030	4
MATH 2205	4
Science II	4
Oral Communications	3
PEAC Activity	1

SOPHOMORE YEAR: Fall	<i>Hrs.</i>
COSC 2150	3
COSC 2030	4
COSC 2300	3
Foreign Language I	4
Cultural Context	3

SOPHOMORE YEAR: Spring	<i>Hrs.</i>
COSC 3011	3
COSC 3020	4
MATH elective	3
Foreign Language II	4
Cultural Context	

JUNIOR YEAR: Fall	<i>Hrs.</i>
COSC 3015	3
OS Course	3
COSC Elective	3
Science elective	4
US & Wyo Constitutions	3

JUNIOR YEAR: Spring	<i>Hrs.</i>
COSC elective	4
COSC 3050	1
Science elective	4
MATH elective	3
Cultural Context	3

SENIOR YEAR: Fall	<i>Hrs.</i>
COSC 4950	1
System Course	3
STAT 4220	3
Theory Course	3
ENGL 4010	3
UDNC	3

SENIOR YEAR: Spring	<i>Hrs.</i>
COSC 4955	2
COSC elective	3
COSC elective	3

Programming Language course	3
UDNC	3