COMPUTER SCIENCE

Faculty

Krumm

The computer science curricula are designed to give the student a broad applications language background. This can be used to prepare students pursuing four-year degrees with the necessary course work required for the first two years. Alternatively, the student can fulfill the core requirements of a two-year applied science degree in computer science, with emphasis in a specific area of interest.

Associate of Science Degree
Computer Science

The Associate of Science in Computer Science is designed to accommodate students interested in the first two years of a four-year degree program in computer science or management information systems (MIS). Students should consult the four-year college curriculum of the college or university to which they plan to transfer to see which electives best fit their needs.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - MATH 2200 Calculus I 5
   - Lab Science 8
     CHEM 1025 and CHEM 1035, BIOL 1010 with either BIOL 2023 or ZOO 2040, or PHYS 1310 and PHYS 1320.
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above
5. Physical Education 1

Major Requirements

- COSC 1030 Computer Science I 4
- COSC 2030 Computer Science II. 4
- COSC 2150 Computer Organization. 3
- COSC 2406 Java Programming 4
- ES 1000 Intro to Engineering Orientation 1
- COSC 2300 Discrete Structures 3
- COSC 2405 MFC Windows Programming in C++ . . 2
- COSC 2409 Programming: Topic 2-4
- Electives 14

To obtain a degree in computer science, a student must obtain a grade of "C" or better in all major requirements.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF ARTS, ASSOCIATE OF SCIENCE, ASSOCIATE OF BUSINESS, ASSOCIATE OF FINE ARTS AND ASSOCIATE OF APPLIED SCIENCE DEGREES.