



CENTRAL WASHINGTON UNIVERSITY

COMPUTER SCIENCE

General Departmental Information

Dramatic changes occur each year in the computer field and related industries. These changes are expressed in new products and new ways of solving problems. The Department of Computer Science offers a course of study designed to train highly qualified and flexible computer scientists for this rapidly changing field.

Degrees Offered

The Computer Science department offers five major specializations leading to a Bachelor of Science degree, and a single minor to supplement major programs in other departments.

Majors

Artificial Intelligence Specialization
Computer Systems Specialization
Information Systems Specialization
Scientific Computing Specialization
Software Design and Application Specialization

Minor

This minor has been designed to allow considerable flexibility for students wishing to use computers to enhance their productivity in their chosen major. This minor is appropriate for any student, including those seeking a teaching endorsement in Computer Science.

Special Facilities/Labs

The department has 50 Windows NT Pentium PC work stations in three labs, a Sun work station lab with four work stations and a multiprocessor Sun SPARC station 20 for parallel computing and graphics, and a digital logic/microprocessor/robotics lab. The labs are connected to the campus-wide fiber optic Ethernet communications backbone. Several other university PC and Macintosh labs are used for department courses as is the Geographic Information Systems Laboratory. The central site facilities available to Computer Science students, operated by the Computing and Telecommunications Services department, consist of a five-system VMS cluster using VAX and ALPHA processors, and a DEC Unix ALPHA system. The Internet connects to CWU with other universities, colleges, research centers, and cooperation networks. Dialup access is available for up to 28,800 bps modems.

Pre-Admission Requirements

An accumulative grade point average of 2.5 is required in the following courses for students to be admitted to the Computer Science major/minor.

CS 110 Fundamentals of Computer Science I
CS 111 Fundamentals of Computer Science II
CS 301 Data Structures
ENG 101 English Composition
ENG 102 English Composition
MATH 172.1 Calculus

- CS 110, 111, and 301 can be taken only one quarter at a time, for they are prerequisites of one another. These three classes are prerequisites for all other computer science classes.
- Students must be accepted to the major to take any Computer Science courses above 301, except for 311.
- Students may apply for the Computer Science Pre-Major until the above classes are completed and all admission requirements are met.

For Further Information, Contact:

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E-mail: schwing@cwu.edu
Computer Science Website:
http://www.cwu.edu/~cs_dept/

CWU official online catalog:
<http://www.cwu.edu/catalogs.html>

Admissions and Transfer Requirements:
<http://www.cwu.edu/~cwuadmis/>

CWU Office of Admissions
(866) CWU-4YOU (298-4968)

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