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With a student-centered focus, all classes are relatively small in size and allow faculty members to provide individual guidance to all undergraduates. Innovation is a hallmark of the department, which offers a wide range of courses that include networking, artificial intelligence, ethics and security, computer graphics and image processing, among others. Faculty members are accomplished scholars who include their students in research activities – an opportunity that most other universities and research centers usually limit to graduate students.

Facilities
Conducting most courses in computer labs allows instructors to directly monitor student progress and offer assistance. Student learning is enhanced by hands-on experience with a wide range of software and hardware housed in a state-of-the-art computer lab. Computers in this lab utilize different operating systems geared to meet specific demands of individual work projects undertaken by students. The computer lab is also equipped with several servers that enable students to gain experience as system administrators.

Internships
Students are strongly encouraged by the department to include an internship in their curriculum, which provides practical experience and may create a future career path, during their undergraduate education. Students also have access to internships with companies at the new SUNY Fredonia Technology Incubator, a $6 million facility designed to accommodate up to 31 start-up technology firms. Many new jobs are expected to be created in the next five years by companies launched at the incubator.

Scholarships
The Department of Computer and Information Sciences bestows scholarships to support students with financial assistance and intellectual motivation. The John Beck Memorial Scholarship, the Arthur R. Maytum Scholarship and the Endowment Scholarship are among those offered.

Majors
Two Bachelor of Science degree programs are offered: Computer Science and Computer Information Systems.

The Computer Science major can appeal to students who enjoy solving puzzles, inventing new ways of using computers or exchanging theories about new ideas. Upon completing core courses, students follow the department’s general education track or specialize in one of two areas:

- Advanced Computing
- Software Development

The Computer Information Systems major is designed for students who want to make computers more efficient and productive or to understand how computers can improve business operations. After completing a core of fundamental courses in Computer Information Systems, students can choose between two tracks:

- System Development
- Systems Management

Minors
Students who major in another discipline but who also want to acquire computer skills can have a minor in Computer Science, Computer Information Systems, or Web Programming. A minor in either field can sometimes be completed with the addition of a few courses.
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