

Computer and Information Sciences



FREDONIA

STATE UNIVERSITY OF NEW YORK



Innovation is a hallmark of our department, which offers diverse classes including 3D Graphics, IT Security, Web Programming, Human-Computer Interaction, Mobile App Development, and Game Design.



WHY COMPUTER SCIENCES?

Computer science is the highest paid college degree and computer programming jobs are growing at twice the national average. Cloud-based and mobile computing are driving the demand. According to code.org, there will 1,000,000 more jobs in computing than graduates to fill those jobs by 2020!

DEGREE OPTIONS

We offer **Computer Science** (B.S.) and **Computer Information Systems** (B.S.) degrees. Our programs are designed to prepare students to be leaders in careers such as database engineering, software engineering, systems analyst, or project manager.

We also offer minors in these programs as well as web programming.

WHY STUDY AT FREDONIA?

The Computer and Information Sciences program is one of the most popular programs at Fredonia. We have a long track record of placing graduates in high-paying jobs right after graduation, or in high-profile graduate programs across the country. Our innovative classes, dedicated faculty, and modern facilities make us one of the leaders in the computer science education field.

Our programs are built on IEEE-ACM guidelines. Fredonia students compete with others across the country in coding and programming contests each year.

fredonia.edu/cis

Fredonia is known for small classes and the opportunity for one-on-one instruction. Our faculty are accomplished scholars who include students in research projects—an opportunity most other universities or institutions limit to graduate students.



FACILITIES

Our state-of-the-art computer lab includes a wide range of software and hardware, and utilize different operating systems geared to meet specific demands and give students access to the most up-to-date computer programming available. Our lab is also equipped with several servers that enable students to gain experience as system administrators.

ACTIVITIES

The student-run Computer Sciences Club encourages students to learn more about the theories, mechanics and applications of computer science in the ever-expanding information technology industry. Our students compete at the Association for Computing Machinery (ACM) and Consortium for Computing Sciences in College - Northeast Region (CCSCNE) student programming contests each year.

INTERNSHIPS

Students are strongly encouraged to include an internship in their curriculum, which provides practical experience - and potentially a career path - during their undergraduate education. Recent Fredonia students have interned at companies such as Lockheed Martin, General Dynamics, and Microsoft. Students also have access to internships with companies at the Fredonia Technology Incubator, a \$6 million facility designed to accommodate up to 31 start-up technology firms.

SUCCESSFUL CAREERS

Our graduates have gained high-paying jobs immediately after receiving their degrees at high-profile companies like General Dynamics, Raytheon, Google, Lockheed Martin, IBM, Paychex, and HSBC.



INNOVATIVE OPPORTUNITIES

The department offers innovative courses such as Web Development, Game Development, Ruby on Rails, iPhone and Android programming, and Computer Ethics and Security. You will learn the latest techniques and theories from a talented and accomplished faculty.



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ACADEMIC CATALOG GO TO
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