

# EDGEWOOD COLLEGE COMPUTING & INFORMATION SCIENCES DEPARTMENT



The Computing and Information Sciences Department at Edgewood College prepares you for success in a fast-growing and ever-changing world.

Jobs in Computing and Information Sciences are not just about programming or sitting in a cubicle all day. It is an expansive field where communication, people skills, critical thinking skills, and problem solving talents are combined with information technology in order to solve technological problems. If you like helping people, solving puzzles and finding better ways to get things done, a major in Computing and Information Sciences might be right for you!

The Computer Information Systems major includes classes that provide opportunities for you to learn core concepts of computing, information systems development, programming, database development, networking, and web development. You will learn to build websites, program in different languages, build information systems, and to build databases.

A degree in Business/Computer Information Systems emphasizes the application of information systems technology to business and has more in-depth coverage of systems technologies and management.

The Web Design & Development major appeals to visually creative students who are interested in computer technology and the Web. This major gives students strong job prospects and excellent income opportunities.

## MAJORS

Computer Information Systems

Business/Computer Information Systems

Web Design and Development

Computer Science Teaching

## MINORS

Computer Information Systems

Computer Science

Computer Science Teaching

**Job Placement**

100% of Computer Information Systems graduates find jobs in their field after graduation. Thanks to accessible and knowledgeable professors, a practical and applicable curriculum, and internship experience, many Computer Information Systems majors at Edgewood even have jobs secured before they graduate.

Our graduates are working in every type of industry imaginable. Here are just a few of the great places where Computing and Information Science graduates are working: Edgewood College, John Deere, Kohl's, Microsoft, ShopBop.com, State of Colorado, State of Wisconsin, TDS Telecom, UW-Health, and Virchow Krause.

**Community Outreach**

Students who are majoring or minoring in Computer Information Systems work with the community in providing classes on computer literacy, desktop support for nonprofits and workshops for those teaching in the public schools.

**SAMPLE OF COURSES****CS 301 - Information Systems: Analysis & Design**

Various approaches to information systems design and analysis processes, including Object Oriented and UML are explored in this course. Students will be required to complete several small projects, created specifically to apply their knowledge at a practical level, using case modeling tools. Emphasis is on the participatory nature of system analysis, requiring active contributions by students during and outside of official class hours.

**CS 340 - Introduction to Web Development**

This course introduces the students to core concepts of web development including end user interface, back end, database and client server interactions. Various languages are utilized during completion of individual and team projects.

**CS 430 - Information Security & Network Management**

The securing and management of networks poses some of the most complex challenges to the Information Systems/Technology professional. This course explores various methods used to secure a network, including commonly used encryption algorithms. Effective network management techniques ensure that all types of information travel the network in an efficient manner.

*For a complete list of courses and course descriptions, please visit [www.edgewood.edu/catalogue.aspx](http://www.edgewood.edu/catalogue.aspx).*

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"Edgewood College's liberal arts curriculum combined with the Business/CIS major provides me with hands-on experiences and endless opportunities; giving me a competitive edge in the job market and preparing me for an ever-changing technological world."

**Chris Handrick '12**  
Business/Computer  
Information Systems Major