



Computing and Information Sciences

DEPARTMENT

EDGEWOOD COLLEGE • 1000 EDGEWOOD COLLEGE DR • MADISON, WI • EDGEWOOD.EDU

MAJORS

COMPUTER
INFORMATION
SYSTEMS

WEB DESIGN AND
DEVELOPMENT

MINORS

COMPUTER
INFORMATION
SYSTEMS

COMPUTER SCIENCE

WEB DESIGN AND
DEVELOPMENT

The world needs computer science professionals to design and program the software that keeps this high-tech world running. Here, our majors receive an up-to-date education in the world of computing and, when they graduate, use their degree in a wide variety of careers in the IT profession.

Our department has two distinct majors to choose from. As a Computer Information Systems major, you can choose from a variety of concentrations:

- Cyber-Security
- Data Science
- Neural Science
- Web Software Development
- Mobile Development

Our Web Design and Development major appeals to visually creative students who are interested in a web-oriented use of computer technology.

As a student in our department, you will work with Community Partners to complete small-scale projects that support the unique needs of our partners.

You will also have the opportunity to join Edgewood Empowered, a student-run group dedicated to bringing ideas to life using the collective skills of its members. Students use this creative space to explore skills like web design, coding, programming, digital art, and more!

CAREER OUTCOMES

100% of our graduates are employed full-time within 6 months of graduation. Many of our graduates find employment through their internships. Our students have worked as interns at many local companies, including: TDS, Cuna Mutual, Epic, BeconHill Technologies, UW-Health, and many others.

SAMPLE COURSES

CS 178 – Jumpstart to Computing with Python

From driverless autonomous cars to smart homes and phones, computing is a part of our everyday lives. This course aims to kick start your computing skills using Python, which is one of the most popular programming languages when it comes to Artificial Intelligence, Machine Learning, Data Analytics and many other scientific areas of data exploration. In this course, students of all disciplines learn the foundations of Python by drawing examples from diverse areas of computing including data processing, computer graphics, etc. and enjoy logical problem solving using simple, easily-described steps.

CS315 – Introduction to Machine Learning

In this course students will get foundation of different machine learning models and algorithms. Students will learn how these models may solve complex real-life problems such as data mining, autonomous navigation, speech recognition, robotic control, bio-informatics, image recognition, and many others.

CS 485 – Introduction to Cyber Security

This course will provide a basic introduction to security in all cyberphysical systems. Topics will include policies and procedures, legal aspects, network communication, security management and cryptography. Network security skills are developed through a series of hands-on activities, ensuring that students acquire and apply effective cyber-security techniques, regardless of type of connected devices.

FACULTY

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