

COMPUTER INFORMATION SYSTEMS MAJOR (BS PROGRAM)



2017-2018 Catalog

Information Sheet

EDGEWOOD COLLEGE

This Information Sheet is for advising purposes only. Do not submit this form as a Major/Minor Declaration Form; a separate form is required to declare your major/minor.

The Computer Information Systems major is structured to provide students with the theoretical framework and skill sets necessary to compete and be productive in the information technology world. Specifically, the major focuses on building an understanding of core information technologies, application development and related areas of study, preparing students for the Information Systems and Information Technology profession. Students engage in a variety of integrative activities designed to sharpen their abilities to problem solve and work in teams. It incorporates both individual and team projects, including community outreach and senior capstone experiences. Students graduating with a Computer Information Systems major *may need to complete more than 120 credits* to complete their degree.

Major Requirements:

Required Courses:

CS 180		Introduction to Computing & Programming*
CS 220		Network Fundamentals
CS 250		Project Management
CS 270		Introduction to Database Structures
CS 301	X	Information Systems: Analysis & Design*
CS 302		Information Systems: Design and Implementation*
CS 320A	K	Professional Issues in IS & IT*
CS 340		Adv. Object Oriented Programming and Data Structures*
CS 430		Information Security and Network Management*
CS 470		Internship in Computer Science
CS 480		Advanced Web Development*
CS 490		Topics in Computer Science*
CS 492	3	Information Systems Project*

**Students without prior programming experience must take CS 170 IU and CS 176 (or CS 175); otherwise consent of the instructor will be needed in order to take CS 180.

One of the following courses:

CS 105	I	Digital Life through Multimedia
CS 150	I	Computer and Business Applications*
CS 170	IU	Comp. Animation, Gaming & 3D Virtual World (preferred)
CS 176	I	Introduction to Web Design and Development

Required Supporting Courses:

BUS 298		Integrated Business Semester I - Part A
BUS 299		Integrated Business Semester I - Part B
ECON 240	J	Principles of Economics
MATH 121	M	Statistics*

** course has a prerequisites*

Policies:

Due to the interactive nature of the Computer and Information Sciences curriculum, all students in the major and minor degrees are required to use a laptop computer throughout the duration of the program. To obtain specific information about the laptop computer configurations, students should contact the Chair of the Department.

A student must have a cumulative GPA of 2.5 or higher in CS 180, CS 270 and CS 220, or written consent of the department before he/she may declare a major in Computer Information Systems, Business/Computer Information Systems or Computer Science Teaching. A student must have a cumulative grade point average of 2.5 or higher in all computer science courses in order to earn a major in Computer Information Systems, Business/ Computer Information Systems or Computer Science Teaching.

A minimum of three computer courses in the majors at or at above the 300 level must be taken in the Computer and Information Systems department at Edgewood College.

Courses in computer science taken more than five years ago may not be accepted. Such courses are accepted at the discretion of the department. Any course requirement other than the minimum residency requirement and all 400-level courses, may be satisfied through examination, or Credit for Prior Learning. Courses in the department may not be taken as Pass/Fail. Courses in the Department of Computer and Information Systems may not be audited.