

COMPUTER SCIENCE

(BS PROGRAM)

TEACHING MAJOR

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 Science Teaching Major is part of a program leading to a Wisconsin initial educator license to teach computer science at the Early Adolescence through Adolescence level (Ages 10-21).

Major Requirements:

Required Courses:

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| CS 180 | | Introduction to Computing & Programming* |
| CS 220 | | Network Fundamentals |
| CS 270 | | Introduction to Database Structures |
| CS 320A | K | Professional Issues in IS & IT* |
| CS 340 | | Adv. Object Oriented Prog. & Data Structures |
| CS 430 | | Information Security and Network Management* |
| CS 490 | | Topics in Computer Science* |

**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; CS 176 could be taken concurrently with CS 180.

One of the following courses:

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| 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 |

* course has a prerequisites

Two Elective Courses in Computer Science at the 200 or 300 level (to be determined by the department)

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One Elective course in Education (to be determined by the department)

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Policies:

For the completion of the Education Professional Requirements and licensure requirements for early adolescence through adolescence (see EDUCATION). A Computer Science Teaching major must be accepted to Emergent Professional Transition before being admitted to ED 459U; progress through transition steps is recommended as early as possible.

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