



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

11/03/2020

Institution

College of The Ozarks

Site Information

Implementation Date:

8/24/2020 12:00:00 AM

Added Site(s):

Selected Site(s):

College of The Ozarks, P.O. Box 17, Point Lookout, MO, 65726-0017

CIP Information

CIP Code:

110103

CIP Description:

A program that focuses on the design of technological information systems, including computing systems, as solutions to business and research data and communications support needs. Includes instruction in the principles of computer hardware and software components, algorithms, databases, telecommunications, user tactics, application testing, and human interface design.

CIP Program Title:

Information Technology

Institution Program Title:

Computer Information Technology

Degree Level/Type

Degree Level:

Bachelor's Degree

Degree Type:

Bachelor of Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation

Special Admissions Procedure or Student Qualifications required:

None.



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Specific Population Characteristics to be served:

None.

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Masters or higher in field.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

95%

Expectations for professional activities, special student contact, teaching/learning innovation:

Student advising duties.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 10	Part Time: 0	
Year 2	Full Time: 10	Part Time: 0	
Year 3	Full Time: 15	Part Time: 0	Number of Graduates: 10
Year 4	Full Time: 15	Part Time: 0	
Year 5	Full Time: 18	Part Time: 0	Number of Graduates: 15

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

N/A

Program Structure

Total Credits:

120

Residency Requirements:

The last 30 hours of credit must be completed at College of the Ozarks unless a waiver is granted in writing from the Dean of the College.

General Education Total Credits:

46

Major Requirements Total Credits:

48

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
CSC	3	See attached.

Free Elective Credits:

26



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Internship or other Capstone Experience:

CSC 463 Senior Project/Capstone: Students will create a detailed project proposal to be approved by the Computer Sciences Department. Under faculty supervision, students will complete all phases of the Software Development Life Cycle for a significant programming project. Students will present their completed project during a public demonstration at the end of the semester.

Assurances

I certify that the program will not unnecessarily duplicate an existing program within the geographically applicable area.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

First and Last Name: Lacey
Mattheis

Email: lmatttheis@cofo.edu

Phone: 417-690-2400

College of the Ozarks

2020-2021 College Catalog

Computer Information Science Major, B.S.

General Information:

Bachelor of Science

The objectives of the computer science and computer information science majors are that students will:

- acquire the computational and analytical skills required to apply for and complete graduate school, in the context of a broad, liberal arts education (Academic);
- develop a strong work ethic to use effectively the computational and analytical skills expected within the scientific and business computer industry (Vocational);
- address ethical and societal issues affecting the computing field from a Christian worldview (Christian);
- develop an appreciation for and love of their country and the opportunities it provides (Patriotic);
- value excellence and the setting of high personal standards for the quality of their work (Cultural).

Students must have a minimum GPA of 2.5 in upper division computer science courses to graduate with a major in computer science or computer information science.

Cross majors/minors between computer science and computer information science are not permitted.

Computer Information Science Major Requirements: 48 credit hours

General Education Courses Specified by Major:

- [ECN 203 - Macroeconomics](#)
- [MAT 135 - Discrete Mathematics and Trigonometry](#)

Required Major Courses: 30 credit hours

- [CSC 123 - Fundamentals of Web Site Design](#)
- [CSC 133 - Programming Fundamentals I](#)
- [CSC 213 - IT Project Management](#)
- [CSC 233 - Programming Fundamentals II](#)
- [CSC 303 - Data Structures](#)
- [CSC 343 - Database Systems](#)
- [CSC 413 - Operating Systems](#)
- [CSC 423 - E-Commerce Systems](#)
- [CSC 443 - Software Engineering *](#)
- [CSC 463 - Senior Project/Capstone *](#)

Required Collateral Courses: 18 credit hours

- [ACT 203 - Elementary Accounting I](#)
- [ACT 213 - Elementary Accounting II](#)
- [BUS 213 - Principles of Management](#)
- [BUS 233 - Business Statistics](#)
- [BUS 313 - Business Law I](#)

Choose One Communication Elective:

- [BUS 303 - Business Communications](#)
- [ENG 333 - Technical Writing](#)
- [SPC 313 - Business and Professional Speaking](#)

Note:

* [CSC 443](#) and [CSC 463](#) must be taken in consecutive semesters.