



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

05/02/2022

Institution

Columbia College

Site Information

Implementation Date:

5/2/2022 12:00:00 AM

Added Site(s):

Selected Site(s):

Columbia College-Jefferson City, 3314 Emerald Lane, Jefferson City, MO, 65109

Columbia College-Kansas City, 4240 Blue Ridge Blvd., Ste 400, Kansas City, MO, 64133-1702

Columbia College-Lake Ozark, 900 College Blvd, Osage Beach, MO, 65065

Columbia College-Rolla, 550 Blue's Lake Parkway, Rolla, MO, 65401

Columbia College-Springfield, 3271 East Battlefield Road, Suite 250, Springfield, MO, 65804

Columbia College-St. Louis, 4411 Woodson Rd., St. Louis, MO, 63134

Columbia College-Waynesville, 320 Ichord Ave, Ste. A, Waynesville, MO, 65583

Columbia College, 1001 Rogers, Columbia, MO, 65216

CIP Information

CIP Code:

111003

CIP Description:

A program that prepares individuals to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Includes instruction in computer architecture, programming, and systems analysis; networking; telecommunications; cryptography; security system design; applicable law and regulations; risk assessment and policy analysis; contingency planning; user access issues; investigation techniques; and troubleshooting.

CIP Program Title:

Computer and Information Systems Security/Information Assurance

Institution Program Title:

Associate in Science in Cybersecurity

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate of Science

Options Added:



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Hybrid

Online

Student Preparation

Special Admissions Procedure or Student Qualifications required:

Admission procedures and student qualifications do not exceed regular College standards.

Specific Population Characteristics to be served:

Columbia College serves traditional students in the Day Program and specializes in adult education and military education. Columbia College serves nearly 18,000 students each year at 40 nationwide locations.

Faculty Characteristics

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

The college adheres to the credential requirements set forth by HLC for all faculty members. The college requires instructors to have at least a Master's degree from a regionally accredited institution in the subject to be taught, with relevant coursework and/ or professional experience directly related to the course. In exceptional circumstances, special certification or extraordinary work experience, in the form of tested experience, may compensate the absence of certain academic credentials.

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

Full-time faculty teach 12 credit hours or less in a given session. Adjunct faculty can teach no more than 9 credit hours in a given session, and no more than 6 in-seat credit hours a session.

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

Full-time faculty members are required to participate in professional development, for promotion, tenure, and annual evaluation, and have department, school and college budgetary support available for this. Adjunct faculty members are required to provide contact information to students. Full-time faculty members are required to have 3 hours a week of office hours designated for their students.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	
Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	
Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	
Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	
Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	
Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	
Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	
Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	
Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	
Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	
Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	
Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	
Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Year 1	Full Time: 50	Part Time: 25	
Year 2	Full Time: 100	Part Time: 50	
Year 3	Full Time: 100	Part Time: 50	Number of Graduates: 25
Year 4	Full Time: 100	Part Time: 50	
Year 5	Full Time: 100	Part Time: 50	Number of Graduates: 50

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

The degree program being proposed has been approved by the Higher Learning Commission. The College Computer and Mathematical Sciences Department plans to pursue CAE-CD accreditation for this program in the future.

Program Structure

Total Credits:

60

Residency Requirements:

15

General Education Total Credits:

24

Major Requirements Total Credits:

33

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
CYSC 200	3	Introduction to Cybersecurity
CISS 298	3	Web Programming
CYSC 367	3	Cybercrime
CISS 301	3	Operating Systems and Cloud Computing
CYSC 402	3	Network Security
CISS 400	3	Digital Forensics
CISS 242	3	Programming II
CISS 241	3	Programming I
CYSC 391	3	Information System Security
CISS 202	3	Introduction to Database
CISS 302	3	Business Networks and Communication



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Free Elective Credits:

3

Internship or other Capstone Experience:

N/A

Assurances

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

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: DUSTI
SCHNEDLER

Email: dschnedler@ccis.edu

Phone: 573-875-3960

A.S. Cybersecurity

General Education Requirements (24-26 sem. hrs)

For a complete list of general education courses click [here](#). For additional information on general education requirements click [here](#).

COLL 133 General Education Foundations Seminar
ENGL 133W First-Year Writing Seminar

Required (3-5 sem. hrs)

MATH 150 College Algebra
[Right] or
MATH 201 Calculus and Analytic Geometry
[Right] or
MATH 215 Differential Calculus

General Education Core (15 sem. hrs)

Take 3 credits from 5 of the following areas to complete the general education requirement. Courses must be taken from the general education core options.

- [Ethical Reasoning](#)
- [Civic Engagement](#)
- [Creative Thinking and Expression](#)
- [Global Awareness](#)
- [Environmental Stewardship](#)
- [Human Experience](#)
- [Communication Competence](#)
- [Reasoning in Natural Science](#)

Major Area Requirements (31-33 sem. hrs)

CYSC 200 Introduction to Cybersecurity
CISS 202 Introduction to Database
[Before]
CISS 241 Programming I
[Right] and
CISS 242 Programming II
[Right] or
CISS 240 Introduction to Programming
[Before]
CISS 298 Web Programming
CISS 301 Operating Systems and Cloud Computing
CISS 302 Business Networks and Communication
CYSC 367 Cybercrime
CYSC 391 Information System Security
CISS 400 Digital Forensics
CYSC 402 Network Security

Electives (1-5 sem. hrs)

Total Semester Hours: 60