



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

03/16/2022

Institution

Jefferson College

Site Information

Implementation Date:

8/22/2022 12:00:00 AM

Added Site(s):

Selected Site(s):

Jefferson College, 1000 Viking Drive, Hillsboro, MO, 63050-1000

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:

Computer Information Systems

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate in Applied Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Hybrid

Student Preparation



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Special Admissions Procedure or Student Qualifications required:

None

Specific Population Characteristics to be served:

n/a

Faculty Characteristics

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

Associate's Degree with 3 Years experience in the IT field required.

Bachelor's Degree with 5 Years experience in the IT field, with IT certifications preferred.

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

50%

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

None

Student Enrollment Projections Year One-Five

Year 1	Full Time: 10	Part Time: 5	
Year 2	Full Time: 12	Part Time: 6	
Year 3	Full Time: 14	Part Time: 7	Number of Graduates: 6
Year 4	Full Time: 16	Part Time: 8	
Year 5	Full Time: 18	Part Time: 9	Number of Graduates: 8

Percentage Statement:

80.00

Program Accreditation

Institutional Plans for Accreditation:

No plans for specialized accreditation. The program will embed several industry recognized credentials, providing third-party validation of student learning and instructional quality.

Program Structure

Total Credits:

64

Residency Requirements:

The College's residency requirement specifies that a minimum of 24 credit hours must be completed at Jefferson College for graduation.

General Education Total Credits:

18

Major Requirements Total Credits:

45

Course(s) Added



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COURSE NUMBER	CREDITS	COURSE TITLE
CIS252	3	Enterprise Client Administration
CIS277	5	Penetration Testing
CIS220	5	MS Server II
CIS263	4	Network Security
CIS260	4	Information Systems Security
CIS275	3	Linux OS
CIS147	4	Networking I
CIS264	4	Advanced Information Systems Security
CIS154	5	MS Server I
CIS221	4	Virtualization and the Cloud
CIS284	4	Security Projects

Free Elective Credits:

0

Internship or other Capstone Experience:

None

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

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 program can be launched with minimal expense and falls within the institution's current operating budget.

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

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Last Name

First Name

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
Degree Plan
COMPUTER INFORMATION SYSTEMS - Cyber Security

2022-2023

	COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Core Requirements	Networking I (4)	CIS147				X	X
	Network Security (4)	CIS263				X	X
	MS Server I (5)	CIS154				X	X
	MS Server II (5)	CIS220					X
	Virtualization and the Cloud (4)	CIS221					X
	Advanced Information Systems Security (4)	CIS264				X	X
	Penetration Testing (5)	CIS277					X
	Enterprise Client Administration (3)	CIS252					X
	Information Systems Security (4)	CIS260				X	X
	Linux OS (3)	CIS275					X
	Security Projects (4)	CIS284					X
General Education & Institutional Req.	Group I. <i>Communications</i> (3)	ENG101(H)					X
	Group II. <i>Humanities/Communications</i> (3)						X
	Group III. <i>Social/Behavioral Sciences</i> (3)						X
	<i>Civics</i> (3)						X
	<i>MO Higher Ed Civics Exam</i>	PSC001					X
	Group IV. <i>Math and/or Science</i> (6)						X
	Group V. <i>Computer Literacy</i> (3)	CIS252*				X	X
Group VI. <i>First Year Experience</i> (1-3)	COL101*				X	X	
Student Signature/Date							
Advisor Signature/Date							

Total Credit Hours:

25-27

64-66

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I. Communications 3 hrs.
 ENG101(H) English Comp. I required

Group II. Humanities/Communications 3 hrs.
See MOTR CORE 42 list for choices
 Cannot use Performance classes

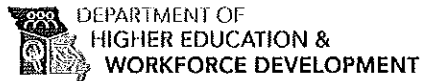
Group III. Social/Behavioral Sciences 6 hrs.
 3 hours must fulfill Civics requirement
See MOTR CORE 42 list for choices

Group IV. Math and/or Science 6 hrs.
 Recommend MTH105 Technical Math
 MGT103*;MTH105*,110*,128*;
See MOTR CORE 42 list for additional choices

Group V. Computer Literacy 3 hrs.
 CIS252 Computer Concepts and Apps.* required

Group VI. First Year Experience 1-3 hrs.
 COL100*, COL101*, or COL136* required

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.



Add Certificate Report

Date Submitted:

03/23/2022

Institution

Jefferson College

Implementation Date:

9/1/2022 12:00:00 AM

CIP Information

CIP Code:

111003

CIP Program Title:

Computer and Information Systems Security/Information Assurance

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.

Institution Program Title:

Cyber Security

Certificate Type:

Single Semester (CO)

Total Credit Hours:

25

Options

Parent Program:

-

Options Entered:

Mode of Delivery

Classroom

Hybrid

Selected Site(s):

Jefferson College 1000 Viking Drive,Hillsboro,MO 63050-1000

Contact Information

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