

Maine Community College System
Five Year Program Review

College: Central Maine Community College
CIP: 11.1003

Program: Cybersecurity-Digital Forensics
Credentials: Associate in Applied Science (AAS)

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Date: November 2023

Period of Review: AY 2017/2018-2021/2022

Program Overview:

1) **Program description** (*from the most recent college catalog*):

The Associate in Applied Science Degree in Cybersecurity - Digital Forensics is designed to prepare students to address the ever-increasing needs of businesses in the area of technology security. Students in this program can choose to transfer to a baccalaureate degree program or go directly into the workforce. The skills learned in the core curriculum will give students a strong background in computer technology and networks. The degree concentration will focus on securing, testing, and analyzing information as it is stored, manipulated, and communicated across networks. The curriculum is designed to prepare students for a multitude of industry standard certifications, for which many of the exams can be taken on campus.

2) **Program Learning Outcomes:** all program learning outcomes are expected to be assessed within the five-year cycle. Please attach an Assessment Data and Reflection Template for each program learning outcome. Explain how the department used the assessment results to improve teaching, learning, and the curriculum.

List the program learning outcomes:	Method of assessment: list the courses and activities/assignments used to assess the learning outcomes
<p>1. Demonstrate an understanding of materials based on intended audiences.</p> <p>3. Utilize ethical means to determine the effectiveness of a network's security posture while recommending appropriate remediation techniques.</p> <p>4. Analyze, retrieve and report evidentiary data utilizing forensic tools.</p> <p>5. Continue education through conferences, industry certifications, courses, and/or enrolling in other degree programs.</p> <p>6. Develop an area of expertise while analyzing career opportunities vs. individual strengths.</p>	<p>Please see attached 5-Year Assessment Plan.</p>

3) Credentials Awarded within the IPEDS year, i.e. July 1-June 30:

Credentials Awarded						
Credential	AY1718	AY1819	AY1920	AY2021	AY2122	AY2223
AAS	9	2	10	6	3	4

4) Program Graduates Employed:

Number of Completers with any Wage Data	12
% of Completers with any Wage Data	

7) Student demographics:

Admissions					
	AY1819	AY1920	AY2021	AY2122	AY2223
Fall Applications	14	24	22	24	44
% chg in Fall Applicants from PY	--	71%	-8%	9%	83%
Enrolled (Yield)	8	13	7	3	14
% chg in Enrolled from PY	--	63%	-46%	-57%	367%

Student Enrollment ¹					
	AY1819	AY1920	AY2021	AY2122	AY2223
Unduplicated Headcount Enrolled in Program	27	36	26	15	29
% chg in Headcount from PY	--	33%	-28%	-42%	93%
Enrolled Credit Hours	276	368	272	142	337

Five-year Assessment Plan for Student Learning Outcomes

Cybersecurity-Digital Forensics

November 2023

Name of Program or General Education Domain

Date

Learning goal:

Student learning outcomes:	Academic year during which assessment will occur	Source(s) and type of assessment artifact(s) that will be collected (e.g.: embedded questioning, capstone assignments, standardized testing, performance
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				127, CPT 227, CPT 147, CPT 201, CPT 235, CPT 266, CPT 271, CPT 261, CPT 239, CPT 275, CPT 281, CPT 298				
Utilize ethical means to determine the effectiveness of a network's security posture while recommending appropriate remediation techniques.	Fall Term, Spring Term	Assignments, Exams, in class activities, Labs, Capstone	Evaluation and Feedback of assignments, completion of Capstone	75% of students will earn a C or better in the following courses, to achieve the outcome: CPT 147, CPT 235, CPT 239, CPT 266, CPT 271 CPT 281, CPT 298	311 students scored a C or higher out of 389 students during AY 2122 /2223	X	79.9%	