

PART 1: REPORT INFORMATION

Report Year and Contact Information					
2018-2019	Nathan Saline	nsaline@cnm.edu	50941		
Academic Year	Contact Person	CNM Email	CNM Office Extension		

Subject of this Report
BIT--PDCYBER_CERT--CIS Cybersecurity Post Degree Certificate

PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

Program/Area Highlights and Successes
(Wherever applicable, include course completion rates, job placement outcomes, and licensing examination pass rates. See the program information dashboard at https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx (access restricted to CNM employees) and other reports at https://www.cnm.edu/depts/opie .)
We did not have any graduate this cycle.

Changes Implemented During the Past Year in Support of Student Learning
We did not have any graduate this cycle.

PART 3: REPORT ON ASSESSMENT OF STUDENT LEARNING

Assessment Method	Type of Assessment Tool	Population or Course(s) Assessed	Graduate Learning Outcome(s) Assessed	Mastery Level (E.g., "Minimum score of 3 on a rubric scaled 0-4" or "Minimum score of 75%")	Targeted % Achieving Mastery	Outcome
Capstone Project	Direct & Internal	CIS 2999	Explain the traditional ethical frameworks that can be used to analyse the moral dilemmas and social problems that arise in cyberspace	Minimum score of 75%	100%	Target partially met

Capstone Project	Direct & Internal	CIS 2820	Identify the components of an intrusion detection system and explain the steps of intrusion detection	Minimum score of 75%	N/A	Choose an item.
Capstone Project	Direct & Internal	CIS 2820	Describe a layered approach to network defense and explain the functionality of key network defense systems	Minimum score of 75%	N/A	N/A
Capstone Project	Direct & External	CIS 2820	Describe the reasons for using offensive network defenses and explain the key techniques used by penetration testers	Minimum score of 75%	N/A	Target not met
Capstone Project	Direct & External	CIS 2820	Describe the basic characteristics of digital evidence and explain the key techniques used to gather and analyze digital forensic evidence	Minimum score of 75%	N/A	N/A
Capstone Project	Direct & External	CIS 2820	Describe the basic rules of evidence and explain the necessity for maintaining evidential chain of custody	Minimum score of 75%	N/A	N/A
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Summary of Assessment Findings
We did not have any graduate this cycle.

Interpretation of Assessment Findings
We did not have any graduate this cycle.

Action Plan in Support of Student Learning (Describe changes to be made that are based at least in part on the assessment interpretation. If the assessment did not yield useful information, describe changes to be made in the assessment methodology and/or criteria.)Cyber security instructors are revamping our curriculum and improving on our labs. We are also redesigning the capstone project. In doing so, we hope that student performance and scores will increase in the next evaluation cycle.
We did not have any graduate this cycle.

Please select all of the following that characterize the types of changes described in the above action plan:

- | | | |
|---|--|--|
| <input type="checkbox"/> Assessment criteria revision | <input type="checkbox"/> Assessment methodology revision | <input type="checkbox"/> Assignment revision |
| <input type="checkbox"/> Budgetary reallocation | <input type="checkbox"/> Change in teaching approach | <input type="checkbox"/> Course content revision |
| <input type="checkbox"/> Curricular Revision | <input type="checkbox"/> Faculty training/development | <input type="checkbox"/> Process revision |

Recommendations, Proposals, and/or Funding Requests	Budget Needed
We did not have any graduate this cycle.	Click or tap here to enter text.

PART 4: REMAINING YEARS IN CURRENT ASSESSMENT CYCLE PLAN (including any revisions) – **OR -- UPCOMING ASSESSMENT CYCLE PLAN** (if this was the final year)

Years of Full Cycle	Next Year's Assessment Focus (Describe how the next planned assessment is expected to provide information that can be used toward improving student learning.)
OneWe did not have any graduate this cycle.	We did not have any graduate this cycle.

Graduate Learning Outcomes to Be Assessed	Years in which Assessment Is Planned	Population/Courses to Be Assessed	Planned Assessment Approach
Explain the traditional ethical frameworks that can be used to analyses the moral dilemmas and social problems that arise in cyberspace.	2018-2019	CIS 1853	Exam(s), and or writing assignment(s) and or capstone project
Identify the components of an intrusion detection system and explain the steps of intrusion detection	2018-2019	CIS 2670	Exam(s), and or writing assignment(s) and or capstone project
Describe a layered approach to network defense and explain the functionality of key network defense systems	2019-2020	CIS 2853	Exam(s), and or writing assignment(s) and or capstone project
Describe the reasons for using offensive network defenses and explain the key techniques used by penetration testers	2019-2020	CIS 2857	Exam(s), and or writing assignment(s) and or capstone project
Describe the basic characteristics of digital evidence and explain the key techniques used to gather and analyze digital forensic evidence	2019-2020	CIS 2860	Exam(s), and or writing assignment(s) and or capstone project
Describe the basic rules of evidence and explain the necessity for maintaining evidential chain of custody.	2019-2020	CIS 2860	Exam(s), and or writing assignment(s) and or capstone project
Explain the importance of the CIA triad and how cyber professionals maintain each tenant to ensure business	2018-2019	CIS 1853	Exam(s), and or writing assignment(s) and or capstone project

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