

# CNM ANNUAL STUDENT LEARNING ASSESSMENT REPORT

*Due to the Student Academic Assessment Committee by October 15*



## PART 1: REPORT INFORMATION

Report Year and Contact Information			
<u>2017-2018</u> Academic Year	<u>Hye Clark</u> Contact Person	<u>hyeclark@cnm.edu</u> CNM Email	<u>50232</u> CNM Office Extension

  

Subject of this Report
BIT--CIS_AAS--CIS Systems Administration Concentration

## 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 <a href="https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx">https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx</a> (access restricted to CNM employees) and other reports at <a href="https://www.cnm.edu/depts/opie">https://www.cnm.edu/depts/opie</a> .)
For the fiscal year 2017-2018, of the 116 students earned CIS AAS degree, 18 earned CIS Systems Administration concentration degree. The overall success rate of assessed student learning outcomes was 100 %.

  

Changes Implemented During the Past Year in Support of Student Learning
CIS Systems Administration is utilizing a network device called Nutanix in SB-104 Netpod which hosts a sandboxed learning environment. Since Summer 18, the students from CIS 2620, 2630 and 2650 which are the core courses in the program concentration, have used in the course curriculum to learn about Virtualization. In addition to that, new textbooks were adopted in Summer 18 to help students understand about Windows server infrastructure.

**PART 3: REPORT ON ASSESSMENT OF STUDENT LEARNING**

<b>Assessment Method</b>	<b>Type of Assessment Tool</b>	<b>Population or Course(s) Assessed</b>	<b>Graduate Learning Outcome(s) Assessed</b>	<b>Mastery Level</b> (E.g., "Minimum score of 3 on a rubric scaled 0-4" or "Minimum score of 75%")	<b>Targeted % Achieving Mastery</b>	<b>Outcome</b>
Capstone Project	Direct & Internal	25	1. Plan a computer network to meet a variety of business needs.	Minimum score of 75%	93%	Target met
Capstone Project	Direct & Internal	25	2. Demonstrate knowledge of how to integrate computer network technologies and services.	Minimum score of 75%	93%	Target met
Capstone Project	Direct & Internal	25	3. Plan necessary operational support and management for users, applications and equipment in a network.	Minimum score of 75%	93%	Target met
Capstone Project	Direct & Internal	25	4. Identify security technologies and disaster planning tools necessary to protect network resources.	Minimum score of 75%	93%	Target met
Capstone Project	Direct & Internal	25	5. Employ troubleshooting and monitoring techniques to identify issues that affect availability and performance of a network.	Minimum score of 75%	93%	Target met

## Summary of Assessment Findings

Linux Report: This will be submitted separately by Linux team faculty.

Outcomes 1-5: The System Administration exit competencies are evaluated using a Rubrics with a scale of 4=excellent, 3=good, 2=fair and 1=poor.

We believe a score of 3+ for 75% of our students represents success in accomplishing our goals.

### Raw Data

	COMP 1	COMP 2	COMP 3	COMP 4	COMP 5
Score	planning	Integrate Technologies	OPS and mgmt	Security and disaster	Troubleshooting
3+	25	25	25	25	25
<3	0	0	0	0	0
Meet Target?	Yes	Yes	Yes	Yes	Yes
% of success	93%	93%	93%	93%	93%
Average	3.61	3.41	3.33	3.52	3.33

### Number of Students for Fall & Spring

25

	COMP 1	COMP 2	COMP 3	COMP 4	COMP 5
Score	planning	Integrate Technologies	OPS and mgmt	Security and disaster	Troubleshooting
4	22	15	12	19	14
3.5	1	4	6	2	2
3	2	6	7	4	9
2.5	0	0	0	0	0
2	0	0	0	0	0
1	0	0	0	0	0

**Interpretation of Assessment Findings**

Students are meeting our goals for outcomes 1-5.

**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.)

No new actions are planned at this time. We will continue to track results and develop a new action plan if we identify an unfavorable trend.

*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
None	

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

<b>Years of Full Cycle</b>	<b>Next Year's Assessment Focus</b> (Describe how the next planned assessment is expected to provide information that can be used toward improving student learning.)
2015-2020	Assessment of students will be based on understanding of conceptual material evaluated from CIS Systems Admin capstone project. The capstone project will offer the opportunity for students to demonstrate their knowledge and skills successfully.

<b>Graduate Learning Outcomes to Be Assessed</b>	<b>Years in which Assessment Is Planned</b>	<b>Population/Courses to Be Assessed</b>	<b>Planned Assessment Approach</b>
Plan a computer network to meet a variety of business needs.	2018-2019	CIS-2999	Students create a business proposal in computer network setting.
Demonstrate knowledge of how to integrate computer network technologies and services.	2018-2019	CIS-2999	Network Diagrams and presentation
Plan necessary operational support and management for users, applications and equipment in a network.	2018-2019	CIS-2999	Students create network support decisions using server/client technology.
Identify security technologies and disaster planning tools necessary to protect network resources.	2018-2019	CIS-2999	Network Diagrams and presentation
Employ troubleshooting and monitoring techniques to identify issues that affect availability and performance of a network.	2018-2019	CIS-2999	Students create network support decisions using server/client technology.