

Assessment Report

PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information:		
2019-2020	Hyekyung Clark	hyeclark@cnm.edu
Academic Year	Contact Person	Email

Name of Program:	Courses:
Computer Information AAS Degree: Systems Administration	CIS 1410 CIS 1415 CIS 1605 CIS 1610 CIS 1680 CIS 2620 CIS 2630 CIS 2634 CIS 2650 CIS 2670 CIS 2999

PART 2: PROGRAM SUMMARY

Provide a high-level review of the program to include highlights, successes, challenges, significant changes, and significant resources needed to support the program.
<p>CIS program in all concentrations has been engaged in a lot of community and K-12 outreach including:</p> <ol style="list-style-type: none"> 1) Summer Camp sessions for middle & High school students at Main and Rio Rancho campus. 2) PiWar competition in UK – students participated in Raspberry PI robotics competition 3) APPLE Swift coding & Internet of Things programing at local high schools 4) CISCO program offered Free course introduction to all students 5) Virtual coding session using MS Teams in HackerSpace 6) Hour of Code during CS week in December each year



Although COVID-19 pandemic has impacted in many ways in faculty and student's life, we have developed agile curriculum offerings to local community with strong support from CNM community such as loaner computer program and on-campus WiFi service to many IT students.

Part 3: DATA REVIEW

Program Data (Each Review Year is defined as Summer, Fall, and Spring terms)	Review Year 19-20	Review Year 18-19	Review Year 17-18
Annual number of graduate awards is greater than 10	7	16	26
Number of declared majors	95	80	101
Average class size	19	20	21
Annual Average class retention rate is 70% or above (SAGE 65%)	81%	88%	88%
Annual C-Pass rate for coursework is 60% or above	65%	70%	74%
Average class fill rate at 60% or above capacity within a term or over a year	62%	65%	73%

Transfer numbers/percent	NA	4 (25%)	7 (27%)
Full-time to part-time faculty ratio	51: 13	53: 15	50: 14

Summarize how your program met or did not meet the target measures based on the data above.

CIS Sys Admin program has been offered industry demanded skilled student talents to local/national levels of IT communities. We think that Spring 2020 COVID-19 pandemic has caused significantly reduced number of awarded graduates in RY 19-20 which was much lower than past two years due to sudden changes course offerings of mostly on-campus hands-on IT courses to be converted to remotely and virtually in off-campus settings. It seems that the Economic impacts of local community is also a part of the reasons.

Part 4: PROGRAM LEARNING OUTCOME ANALYSIS.

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
1. Plan a computer network to meet a variety of business needs	CIS 2650, and CIS 2999.	Final Exam, Test or quiz, Class project, In-class activities, Capstone project, and Paper.	met 90%
2. Demonstrate knowledge of how to integrate computer network technologies and services	CIS 2650, and CIS 2999.	Final Exam, Test or quiz, Class project, In-class activities, Capstone project, and Paper.	met 90%

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
3. Plan necessary operational support and management for users, applications, and equipment in a network	CIS 2650, and CIS 2999.	Final Exam, Test or quiz, Class project, In-class activities, Standardized test, Capstone project, and Paper.	met 100%
4. Identify security technologies and disaster planning tools necessary to protect network resources	CIS 2999.	Capstone project, and Paper.	met 90%
5. Employ troubleshooting and monitoring techniques to identify issues that affect availability and performance of a network	CIS 2999.	Capstone project, and Paper.	met 90%

Interpretation of Assessment findings
Overall, 5 program outcomes were met over 90%.

	COMP 1	COMP 2	COMP 3	COMP 4	COMP 5
Score	planning	Integrate Technolo gies	OPS and mgmt	Security and disaster	Troubles hooting
3+	9	9	9	10	9
<3	1	1	1	0	1
Meet Target?	Yes	Yes	Yes	Yes	Yes
% of success	90%	90%	90%	100%	90%
Avearage	3.40	3.15	3.25	3.50	3.20

Part 6: ADDITIONAL ACTION PLAN IN SUPPORT OF STUDENT LEARNING (IF APPROPRIATE)

Upcoming year	Changes planned for the upcoming year	Data motivating this change
2020-2021	Due to the updated curriculum in upper-level courses such as CIS 2636 and CIS 2680, faculty will develop newer contents for the curriculum along with utilization of SB-VPN and sandbox environments.	demanded new skill sets by IT industries
2020-2021		
2020-2021		

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

- Assessment criteria revision
- Assessment methodology revision
- Assignment revision
- Budgetary reallocation
- Change in teaching approach
- Course content revision
- Curricular Revision
- Faculty training/development
- Process revision

Part 6: COMMENTS

Use this section to record any comments, notes, or questions from individuals who reviewed this report.
School Dean:
SAAC Representative: