CENTRAL NEW MEXICO COMMUNITY COLLEGE
ASSESSMENT REPORT
Due to SAAC by October 15

PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information			
2016-2017	Sandy Wilson	swilson97@cnm.edu	224-4000 x53332
Academic Year	**Contact Person**	**Email**	**Phone Number**

Subject of this Assessment Report		
Program: Network Administration	**Gen Ed Area:**	**Non-Award, Non-Gen-Ed Discipline Area**:
☐ Certificate ☐ AA ☐ AS ☒ AAS	Applicable to: ☐ AA/AS ☐ AAS	

PART 2: THE YEAR IN RETROSPECT

Program/Area Highlights (Including, wherever applicable, course completion, job placement, and licensing examination information)

For the fiscal year 2016-17, of the 1,226 students with CIS declared major, 122 earned their degree. The course retention rate for all CIS was 86%.

For the 2016-2017 year, the Capstone realized an increase in students completing the Capstone as well as the average score attained. Twenty-seven (27) students completed the Capstone versus the previous year (21)-an increase of 28.57%. The average score was 88.42 versus the previous year of 83.30.

Changes Made in Support of Student Learning

Changes made include use of updated curriculum and mandatory certification voucher issuance to students for industry certification.

PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING

Student Learning Outcome(s) Assessed *To add rows: right –click in cell below and select "Insert," "Insert Rows Above"*	**Classes/Cohorts Assessed**
Student can use Network Protocol Models to explain communication between devices on a data network	CIS 1425, 2420.2423,2425, 2427 and Capstone

Student can cable and create networks in accordance with stated objectives	Same as above
Student can create a logical diagram and translate it to a physical implementation on a network.	Same as above
Student can design a network with mathematical literacy and effectively implement the design to create a functioning network.	Same as above
Student can create a LAN environment implementing VLANs and wireless devices.	Same as above
Student can create WAN environments implementing appropriate protocols for current networking technologies.	Same as above
Student can implement practical network security applications on the network	Same as above
Student can problem solve and troubleshoot data networks	Same as above

Measurement Tool(s) Used *To add rows: right –click in cell below and select "Insert," "Insert Rows Above"*	*Enter X's for type of tool*				**Initial Achievement Target or Expectation**
	Internal	**External**	**Direct**	**Indirect**	
Performance based projects (skills exams) used in classes CIS 1425, 2420,2423,2425,2427, as well as the Capstone project.	x		x		It is expected students will pass exam with score of at least 70%.

Assessment Findings

Of 28 students taking the Capstone exam, all students achieved at least 70% on exam.

GRADE	# Students
A	14
B	10
C	3

For Linux report, Overall, students who took CIS 1680 have;

TestOut Linux Pro Exam Pass Rate

CNM 77.42%
National (All US) 72.74%

Analysis and Interpretation of Assessment Findings
The program continues to achieve the expected results. Continued emphasis on specific job skills as indicated by industry will continue to guide the program and program assessment.

Action Plan in Support of Student Learning

Please indicate with an X all of the following that characterize the types of changes described in the above action plan:

☐ Pedagogical change	☐ Course revision	☐ Process revision	☐ Curricular revision
☐ Budgetary reallocation	☐ Faculty training/development	☐ Assessment criteria revision	☐ Assessment methodology revision

Recommendations, Proposals, and/or Funding Requests
N/A

PART 4: ASSESSMENT CYCLE PLAN UPDATE (Copy and paste from original plan if unchanged)

Cycle Years	**Description of Changes Made** (if applicable)

Student Learning Outcomes	**When Measured**	**Where Measured**	**How Measured**
1. Use network protocol models to explain the layers of communications in data networks.	Network students were assessed using the course CIS 2999 Capstone.	Network students were assessed using the course CIS 2999 Capstone.	Students performed a skills test which simulated a company with complex network requirements. The test demonstrated the student's ability to design the network, select the appropriate devices, connect and configure the devices, and had full connectivity. DIRECT methods

			were used to assess student performance.
2. Employ basic cabling and network designs to connect devices in accordance with stated objectives.	Same as 1	Same as 1	Same as 1
3. Develop a logical diagram and translate it to a physical implementation.	Same as 1	Same as 1	Same as 1
4. Demonstrate network mathematical literacy both in theory and application as it applies to networks	Same as 1	Same as 1	Same as 1
5. Design, address, construct and test LANs containing multiple VLANs as well as wireless devices.	Same as 1	Same as 1	Same as 1
6. Design, address, construct and test WAN topologies selecting from current networking technologies	Same as 1	Same as 1	Same as 1
7. Demonstrate the practical application of skills needed to design, implement, and support network security.	Same as 1	Same as 1	Same as 1
8. Demonstrate problem solving ability with data networks.	Same as 1	Same as 1	Same as 1