

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

PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information:			
<u>2014/2015</u>	<u>Andy Huertaz</u>	<u>Andy@cnm.edu</u>	<u>50189</u>
Academic Year	Contact Person	Email	Phone Number

Subject of this Assessment Report:		
Program: <u>Advanced Systems Technology</u> <input type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input checked="" type="checkbox"/> AAS	Gen Ed Area: _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	Discipline Area: <u>ELEC/MEMs/Phot</u> _____

PART 2: EVIDENCE OF OVERALL PROGRAM EFFECTIVENESS

Summary of Program Successes:
Capstone Projects reflect comprehension of course curriculum, soft skills, and critical thinking.

Description and Evaluation of Recent Changes Made in Support of Student Learning:
Capstone Rubric presented to students at beginning of class so that they know how they will be assessed.

PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING

Student Learning Outcome(s) Assessed:	Classes/Cohorts Assessed:
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	
Students will correctly identify, explain the operation of, and provide applications of course-specific electronic theory, circuitry, and systems in the following circuit category types: analog, digital, industrial, and electronic communications, mems, and photonics.	Capstone
Students will adequately demonstrate the ability to properly and safely use basic	Capstone

electronic test equipment for measurement and troubleshooting purposes.	
Students will demonstrate the ability to read, interpret, create, and utilize schematic diagrams for circuit fabrication and troubleshooting purposes.	Capstone
Students will demonstrate essential employment-seeking and workplace skills for a technical/customer-oriented work environment, such as progress reports and presentations.	Capstone
Students will have the attitude, abilities, and skills for adapting to rapidly changing technologies.	Capstone

Measurement Tool(s) Used:	Enter X's for type of tool				Initial Achievement Target or Expectation:
	Internal	External	Direct	Indirect	
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>					
Capstone Project	x		x		100% abilities

Assessment Findings:
Outcome 1 = 100 %
Outcome 2 = 100 %
Outcome 3 = 90 %
Outcome 4 = 100 %
Outcome 5 = 100 %

Analysis and Interpretation of Assessment Findings:
Outcomes achieved except ability for a student to generate schematic diagrams.

Action Plan in Support of Student Learning:
Incorporate more schematic practice in all classes.

Recommendations, Proposals, and/or Funding Requests:

None at this time.

PART 4: EMBEDDED OUTCOMES

Critical Thinking and Life Skills/Teamwork Development within Programs:

- a) Please describe how Critical Thinking assessment is embedded within your program assessment.
- b) Please describe how Life Skills/Teamwork assessment is embedded within your program assessment.

a) Design, building and troubleshooting of electronic circuits, mems devices and laser systems.

b) Students work with lab partner/partners to complete assignments and labs.

PART 5: ASSESSMENT CYCLE PLAN (Copy and paste from original plan if unchanged)

Cycle Years:	Plan Description:
2014-2015	

Student Learning Outcomes:	When Measured:	Where Measured:	How Measured:
1. Students will correctly identify, explain the operation of, and provide applications of course-specific electronic theory, circuitry, and systems in the following circuit category types: analog, digital, industrial, and electronic communications, mems, and photonics.	Final Semester	Capstone Class	
2. Students will adequately demonstrate the ability to properly and safely use basic electronic test equipment for measurement and troubleshooting purposes.	Final Semester	Capstone Class	
3. Students will demonstrate the ability to read, interpret, create, and utilize schematic diagrams for circuit fabrication and troubleshooting purposes.	Final Semester	Capstone Class	

4. Students will demonstrate essential employment-seeking and workplace skills for a technical/customer-oriented work environment, such as progress reports and presentations.	Final Semester	Capstone Class	
5. Students will have the attitude, abilities, and skills for adapting to rapidly changing technologies.	Final Semester	Capstone Class	
6.			
7.			
8.			
9.			
10.			