

CENTRAL NEW MEXICO COMMUNITY COLLEGE
ASSESSMENT REPORT
Due to SAAC by September 30

PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information:			
FALL 2013 – SPRING 2014	Todd Wilburn	TWILBURN@CNM.EDU	(505) 224-4000 x50274
Academic Year	Contact Person	Email	Phone Number

Subject of this Assessment Report:		
Program: Automotive Technology <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS	Gen Ed Area: _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	Discipline Area: AUTOMOTIVE

PART 2: EVIDENCE OF ACHIEVEMENT OF PROGRAM OUTCOMES

Summary of Program Success in Achieving Desired Outcomes:
See histograms attached at bottom

Description and Evaluation of Recent Changes Made in Support of Student Learning:

PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING PROCESSES

Learning Outcome(s)/Exit Competencies Assessed: <i>To add rows: right –click in cell below and select “Insert,” “Insert Rows Above”</i>	Classes/Cohorts Assessed:
#2 Show proficiency in the language arts, communications, science, and math skills required in the automotive service industry #4 Display the characteristics of good work ethic to include punctuality, reliability, and honesty. #5 Perform basic word processing and computer database searches for repair information.	: Third Term Certificate students

Measurement Tool(s) Used: <i>To add rows: right –click in cell below and select “Insert,” “Insert Rows Above”</i>	<i>Enter X's for type of tool</i>				Initial Achievement Target or Expectation:
	Internal	External	Direct	Indirect	
SLO #2: : Lab Assignments, New Technology report	X	x	X	x	SLO#2: student should be able to perform at the apprentice level or better on lab exercises. Students should score above the apprentice level on instructor evaluation for vehicle repairs . Students also research a new emerging technology related to the automobile and write a college level report on it
SLO#4: WORK ETHIC Rubric filled out by mentor		X		X	SLO#4; Assessment of the students work ethic is provided by industry partners Our students work in industry for 40 hours during their last class of the program (Internship). Prospective employers complete a rubric evaluating our students’ technical abilities and work ethic
SLO #5 A/C Hands on final exam, New A/C Technology report	X		X		SLO#5 Assessment of the students computer data base skills and word processing skills are derived in two ways. First the students are given a hands on final in HVAC class that requires substantial information gathering and the students are given a time limit. The other component is a term paper on the past present and future of air conditioning

Assessment Results/Findings:
Results indicate that a majority of our students can write a college level paper at the accomplished to distinguished range. An abnormal number of student abstained from writing a paper during the spring term so there will be stronger language mandating the paper to be written and students may be precluded from lab activities until a paper is delivered. Students also performed well on practical exercises as well. Results show proficiencies in the accomplished to distinguished range with very few ranking at the apprentice level. Students have demonstrated to our industry partners that our lessons on work ethic are

working and should be continued with most of our students scoring results in the level 4 area. Students did a good job of finding the correct information from our industry data bases again and most scored in the distinguished to accomplished range

Analysis and Interpretation of Assessment Results/Findings:

Action Plan in Support of Student Learning:

Recommendations, Proposals, and/or Funding Requests:

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) All students in all sections are required to demonstrate critical thinking skills by completing comprehensive hands on practical final exams

b) All instructors require all students to work in groups and assess their overall ability to work together and complete tasks and exercises. All lab exercises are graded based on the groups efforts.

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

Plan Description:
5 year plan 2013-2018

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Diagnose and repair vehicle mechanical, electrical, and computer-managed systems	Fall 2016-Spring 2017; Fall 2017-Spring 2018	Engine Performance II 2130; Automotive Internship 2198	SKILLS rubric filled out by mentor during internship. Ep 2 hands on final
2. Show proficiency in the language arts, communications, science, and math skills required in the automotive service industry.	2013 Fall 2013-Spring 2014; Fall 2014-Spring 2015	Engine Performance II 2130	Lab Assignments, New Technology report
3. Apply critical thinking skills to solve workplace problems	Fall 2016-Spring 2017; Fall 2017-Spring 2018	Automotive HVAC class 2111	End of Program Final Exam
4. Display the characteristics of good work ethic to include punctuality, reliability, and honesty	Fall 2013-Spring 2014; Fall 2014-Spring 2015	Automotive Internship 2198	WORK ETHIC Rubric filled out by mentor
5. Perform basic word processing and computer database searches for repair information	Fall 2013-Spring 2014; Fall 2014-Spring 2015	Automotive HVAC class 2111	A/C Hands on final exam, New A/C Technology report

ENGINE PERFORMANCE LAB EXERCISES RUBRIC

ACCOMPLISHED	NOVICE	UNABLE TO Demonstrate the ability to use basic test equipment to diagnose automotive electronic engine control systems by taking a great amount of time and needs extensive guidance	Demonstrates the ability to use basic test equipment to diagnose automotive electronic engine control systems takes more time than normal or needs moderate to high level of help	Demonstrates the ability to use sophisticated test equipment to diagnose automotive computerized engine control systems in a reasonable amount of time with little to moderate help	Demonstrates the ability to use sophisticated test equipment to diagnose automotive computerized engine control systems in a timely manner with little or no help from instructors	APPRENTICE DISTINGUISHED
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CNM Work Ethic Rubric

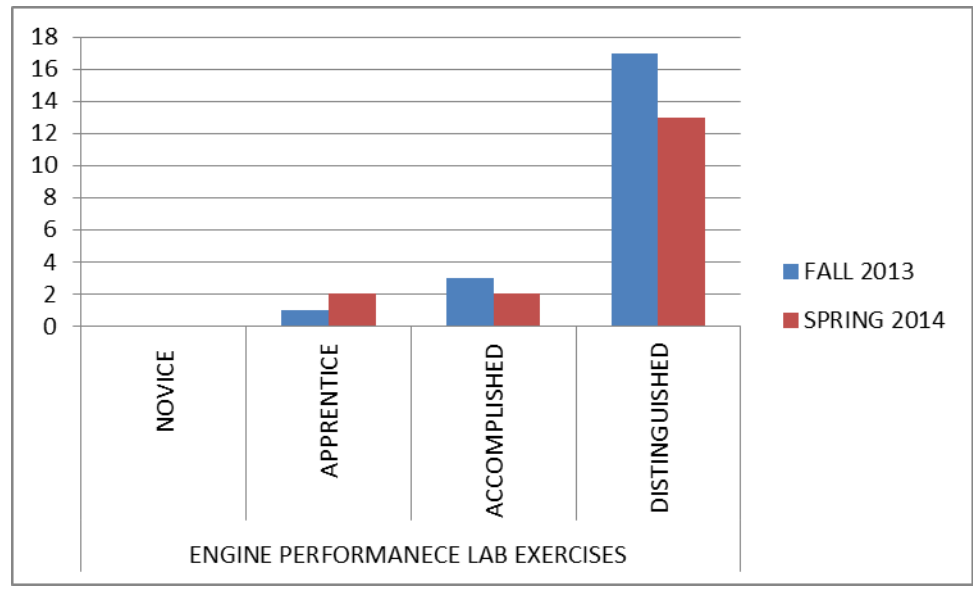
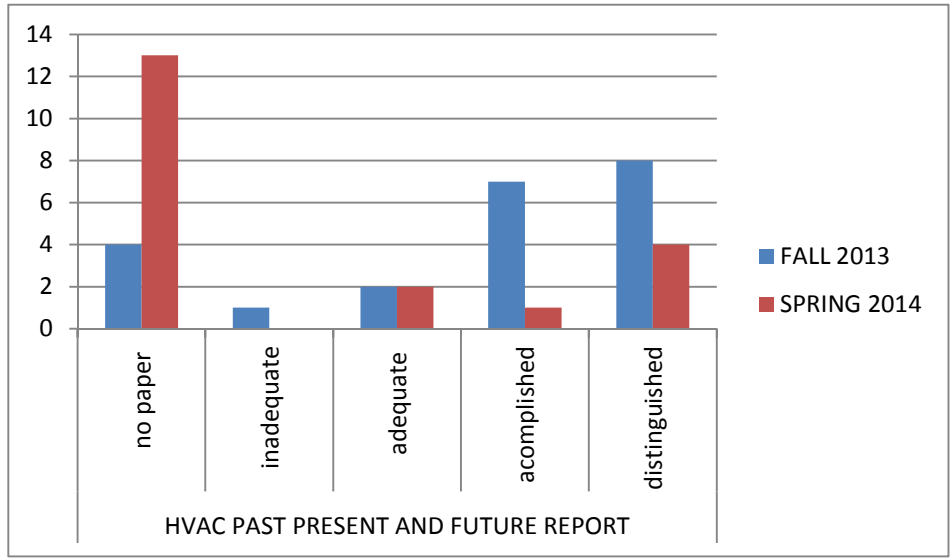
Student Behaviors Observed at Workplace

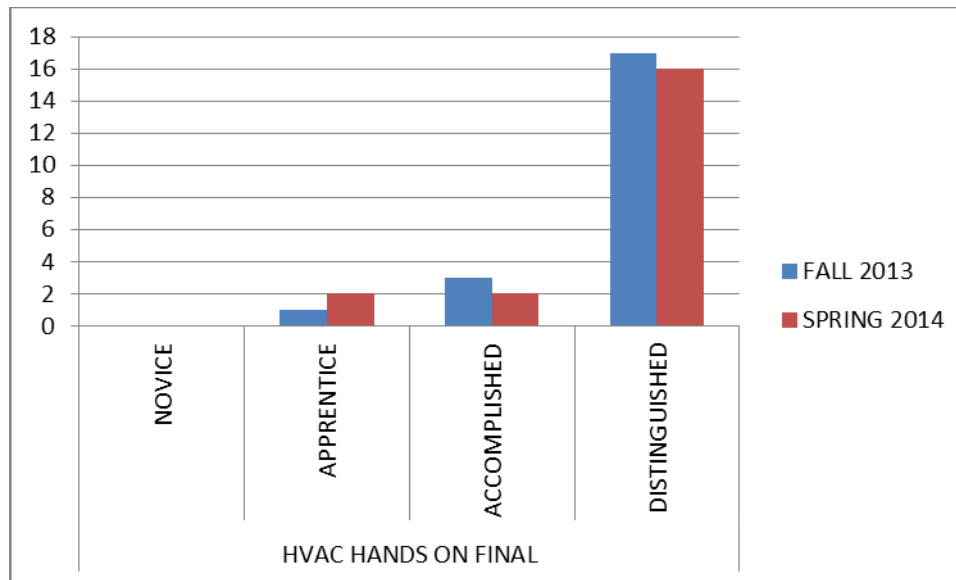
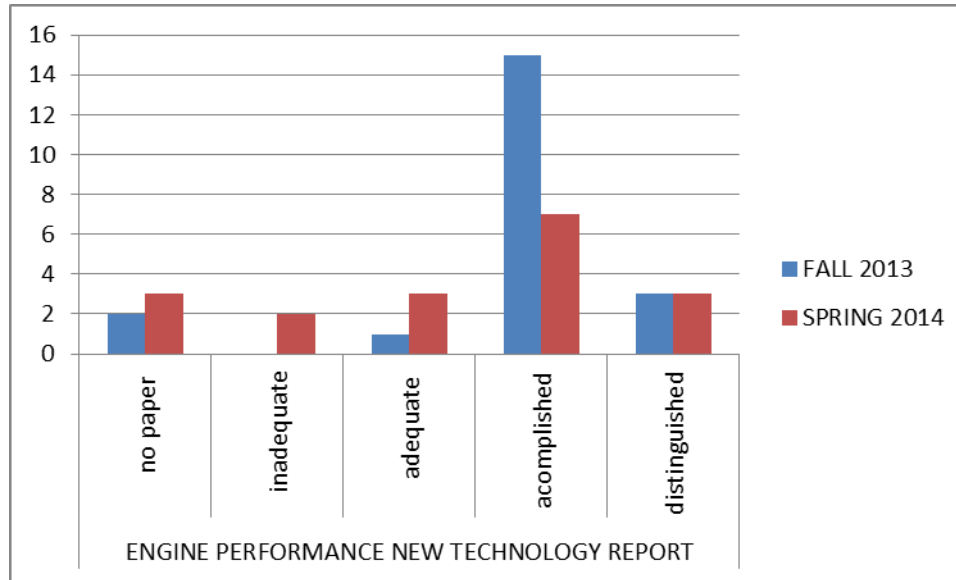
Directions: Place an X in the descriptor box which best describes the level of observed student behavior for A. Interpersonal Skills, B. Initiative, and C. Dependability. (Level 1, 2, 3, or 4)

	Level 1. (Seldom)	Level 2. (Occasionally)	Level 3. (Usually)	Level 4. (Always)
<p>A.</p> <p>Interpersonal Skills:</p> <p>the habits, attitudes, manners, appearance, and behaviors we use around other people</p>	<p>Appreciative, patient, likeable, helpful, pleasant, cooperative, hard working, cheerful, courteous, considerate, well groomed, friendly, loyal, modest.</p>	<p>Appreciative, patient, likeable, helpful, pleasant, cooperative, hard working, cheerful, courteous, considerate, well groomed, friendly, loyal, modest.</p>	<p>Appreciative, patient, likeable, helpful, pleasant, cooperative, hard working, cheerful, courteous, considerate, well groomed, friendly, loyal, modest.</p>	<p>Appreciative, patient, likeable, helpful, pleasant, cooperative, hard working, cheerful, courteous, considerate, well groomed, friendly, loyal, modest.</p>

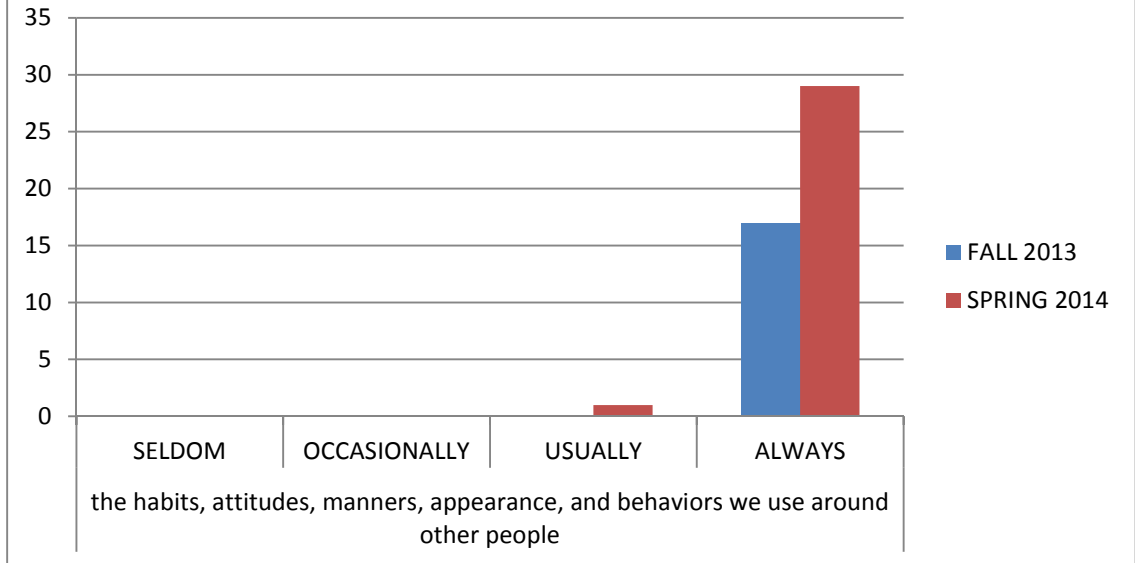
<p>B.</p> <p>Initiative: drive and effort in the absence of direct supervision</p>	<p>(Seldom)</p> <p>Independent, ambitious, effective, perceptive, efficient, adaptable, accurate, conscientious, orderly, enthusiastic, persistent, dedicated, productive, resourceful.</p>	<p>(Occasionally)</p> <p>Independent, ambitious, effective, perceptive, efficient, adaptable, accurate, conscientious, orderly, enthusiastic, persistent, dedicated, productive, resourceful.</p>	<p>(Usually)</p> <p>Independent, ambitious, effective, perceptive, efficient, adaptable, accurate, conscientious, orderly, enthusiastic, persistent, dedicated, productive, resourceful.</p>	<p>(Always)</p> <p>Independent, ambitious, effective, perceptive, efficient, adaptable, accurate, conscientious, orderly, enthusiastic, persistent, dedicated, productive, resourceful.</p>
<p>C.</p> <p>Dependability: includes honesty, reliability, and being on time</p>	<p>(Seldom)</p> <p>Dependable, following regulations, following directions, reliable, honest,</p>	<p>(Occasionally)</p> <p>Dependable, following regulations, following directions, reliable, honest,</p>	<p>(Usually)</p> <p>Dependable, following regulations, following directions, reliable, honest, careful,</p>	<p>(Always)</p> <p>Dependable, following regulations, following directions, reliable, honest, careful,</p>

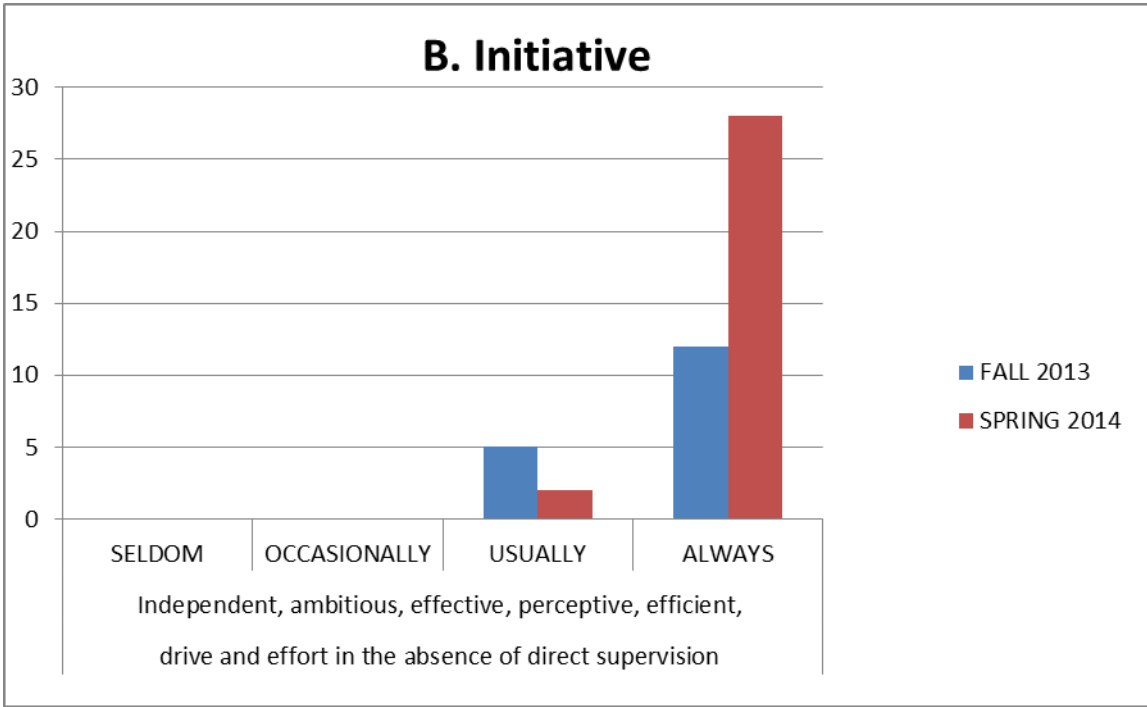
	careful, punctual.	careful, punctual.	punctual.	punctual.
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A. Interpersonal Skills





C. Dependability

