

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

**PART 1: CONTACT & PROGRAM IDENTIFICATION**

Report Year and Contact Information			
Summer 16 –			
Summer 17	Jeremy Frick	<a href="mailto:Jfrick4@cnm.edu">Jfrick4@cnm.edu</a>	Ext. 50287
Academic Year	Contact Person	Email	Phone Number

Subject of this Assessment Report		
<b>Program:</b> AVIATION MAINTENANCE TECHNOLOGY  <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS	<b>Gen Ed Area:</b> _____  Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	<b>Non-Award, Non-Gen-Ed Discipline Area:</b>  _____

**PART 2: THE YEAR IN RETROSPECT**

Program/Area Highlights (Including, wherever applicable, course completion, job placement, and licensing examination information)
<ol style="list-style-type: none"> <li>1. AVMT Summer 2017 Graduates: 10 Powerplant Certificates (CNM)</li> <li>2. Local employers in the last year who have hired CNM AVMT students are: Bode Aviation, Del Sol Aviation, 10 Tanker, Aero Mechanical Industries, US Customs, Ameriflight, Eclipse Aerospace, and AerSale.</li> <li>3. Skills USA: in the summer of 2017, CNM’s AVMT student placed third at the National Aviation Maintenance Competition. Our best result in the history of the program.</li> </ol>

Changes Made in Support of Student Learning
1. Updated testing format: essay question and short answer. Instructors sharing testing material on Sharepoint.
2. Students providing textbook references for project questions.
3. Collaborative group learning techniques to prepare for FAA exams. Individual readiness assurance testing (IRAT) and Group readiness assurance testing (GRAT) to offer multi-modal learning techniques including reading, writing, speaking, and practical application in order to prepare the students for the written and FAA oral and practical (O&P) exams.
4. Error Sheets. Students provide corrections to quizzes and exams as a homework assignment to improve understanding of the material by stating why an answer is incorrect, explaining why correct answer is correct, and providing a textbook reference.

### PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING

Student Learning Outcome(s) Assessed <i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	Classes/Cohorts Assessed
Powerplant Written Exam	Summer 2017 Cohort Internal. 2016 External assessment.

Measurement Tool(s) Used <i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	Enter X's for type of tool				Initial Achievement Target or Expectation
	Internal	External	Direct	Indirect	
Powerplant Written Exam	X		X		Average 84%
Powerplant Written Exam		X	X		Average 82%

Assessment Findings
<p>The following are the average grades and pass rates of the written finals taken at CNM (internally) and with the FAA (externally):</p> <ol style="list-style-type: none"> <li>1. Powerplant Written Exam SU17 (CNM, internal): SU17 Average Score 84.3%, Pass Rate 11/11.</li> <li>2. Powerplant Written Exam SU16 to SU17 (FAA, external): Average Score 82%, Pass Rate 5/5.</li> </ol>

### Analysis and Interpretation of Assessment Findings

Powerplant Written Exam Analysis. Internally at CNM the average score for the written exam for this assessment cycle is 84.3% with a total pass rate of 11 out of 11 students. Out of those students who passed the written exams at CNM, 5 students went on to test with the FAA producing an average score of 82% and a pass rate of 100% (5/5). In comparison with the 2016 National Average published by the FAA the average score nationwide is 76.8% and CNM scored 82% this cycle.

For students who tested for the Powerplant License with the FAA, the third quarter for SU17 results are still to be published by the FAA.

### Action Plan in Support of Student Learning

This is the first cycle where students have completed the program under the new curriculum. Although the FAA written test scores have remained approximately the same, the feedback from industry has been more positive in regards to soft skills such as punctuality, professionalism, and researching reference material. To improve written test scores with the FAA, the AVMT program changed the book kit to include improved textbooks and practice software to prepare for the exams which will be seen in upcoming cycles.

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

- |   |  |   |  |
|---|--|---|--|
| <input type="checkbox"/> Pedagogical change     | <input checked="" type="checkbox"/> Course revision              | <input type="checkbox"/> Process revision             | <input checked="" type="checkbox"/> Curricular revision  |
| <input type="checkbox"/> Budgetary reallocation | <input checked="" type="checkbox"/> Faculty training/development | <input type="checkbox"/> Assessment criteria revision | <input type="checkbox"/> Assessment methodology revision |

### Recommendations, Proposals, and/or Funding Requests

This upcoming cycle marks the 10-year anniversary of the AVMT program and some of the equipment which supports the approved curriculum is aging. The program is seeking to equipment replacement of a single engine aircraft which will supports FAA approved projects in the General, Airframe, and Powerplant classes.

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

Cycle Years	Description of Changes Made (if applicable)
2016-2021	

Student Learning Outcomes	When Measured	Where Measured	How Measured
1. FAA Powerplant Written Exam	After the Fifth Term	Approved FAA test facility	Standardized Multiple Choice Questions
2. FAA Powerplant Oral & Practical	After the Fifth Term	Designated Maintenance Examiner	FAA Practical Test Standards
3. Powerplant Written Final	After the Fifth Term	CNM	Standardized Multiple Choice Questions
4. Powerplant Practical Projects	Fourth and Fifth term	CNM	FAA Approved Projects/Curriculum