

# CNM ANNUAL STUDENT LEARNING ASSESSMENT REPORT

*Due to the Student Academic Assessment Committee by October 15*



## PART 1: REPORT INFORMATION

Report Year and Contact Information			
<u>2018-2019</u>	<u>Jeremy Frick</u>	<u>Jfrick4@cnm.edu</u>	<u>50287</u>
<b>Academic Year</b>	<b>Contact Person</b>	<b>CNM Email</b>	<b>CNM Office Extension</b>

  

Subject of this Report
AT--PMT_CERT--Powerplant Maintenance Technician Certificate

## PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

Program/Area Highlights and Successes
(Wherever applicable, include course completion rates, job placement outcomes, and licensing examination pass rates. See the program information dashboard at <a href="https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx">https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx</a> (access restricted to CNM employees) and other reports at <a href="https://www.cnm.edu/depts/opie">https://www.cnm.edu/depts/opie</a> .)
<ol style="list-style-type: none"><li>1. AVMT Spring 2019 Graduates: 7 AAS, 10 Powerplant Certificates</li><li>2. AVMT Graduating Cohort of Spring 2019: 4/11 students employed before graduation.</li></ol>

  

Changes Implemented During the Past Year in Support of Student Learning
<ol style="list-style-type: none"><li>1. Powerplant Curriculum updated. The required attendance time moved between Powerplant classes to meet the actual time requirements of the students in the lab.</li></ol>

**PART 3: REPORT ON ASSESSMENT OF STUDENT LEARNING**

<b>Assessment Method</b>	<b>Type of Assessment Tool</b>	<b>Population or Course(s) Assessed</b>	<b>Graduate Learning Outcome(s) Assessed</b>	<b>Mastery Level</b> (E.g., "Minimum score of 3 on a rubric scaled 0-4" or "Minimum score of 75%")	<b>Targeted % Achieving Mastery</b>	<b>Outcome</b>
Written Exam	Direct & Internal	AVMT 1345 & Powerplant Courses	Powerplant	Minimum score of 70%	100%	Target met
FAA Written Exam	Direct & External	AVMT 1345 & Powerplant Courses	Powerplant	Minimum score of 70%	100%	Target met
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<b>Summary of Assessment Findings</b>
<ol style="list-style-type: none"> <li>1. Powerplant Written Exam (CNM, Internal): Spring 2019, Average Score 86.1%, Pass Rate 11/11.</li> <li>2. Powerplant Written Exam (FAA, External): 2018 (Q3&amp;Q4) - 2019 (Q1&amp;Q2), Average Score 84%, Pass Rate 8/8.</li> </ol>

<b>Interpretation of Assessment Findings</b>
<ol style="list-style-type: none"> <li>1. Powerplant Written Exam Analysis. Internally at CNM the average score for the written exam for this assessment cycle is 86.1% with a total pass rate of 100% (11/11) students. Out of those students who passed the written exams at CNM, 8 students went on to test with the FAA, producing an average score of 84% and a pass rate of 100% (8/8). In comparison with the 2018 National Average published by the FAA the average score nationwide is 76.84% and CNM students averaged 84% with the FAA. Nationally, pass rates nationwide is 86% and 100 % of CNM students passed this cycle.</li> </ol> <p>Internal Interpretation: Students scored an average of 86.1% on the internal exams which directly reflected the same sort of exam students will see with the FAA. This exam was made up of standardized questions generated from a FAA question test bank. The exam consists of 100 questions out of a possible 1000 FAA questions.</p> <p>External Interpretation: The students scored an average of 84% with FAA written exam. This was within 2.1% of the internal test results. The internal exams provide direct preparation for the FAA exam. As a result, the CNM average was 7.16% above the national average with a pass rate 14% above the national average.</p>

<b>Action Plan in Support of Student Learning</b> (Describe changes to be made that are based at least in part on the assessment interpretation. If the assessment did not yield useful information, describe changes to be made in the assessment methodology and/or criteria.)
<p>This is the third cycle where students have completed the program under the new curriculum. Discussions are taking place within the department on how to improve internal testing to increase student retention and improve FAA test scores. Current testing can incorporate more of the standardized FAA questions within the internal exams to expose students to the same questions on the FAA standardized exam.</p>

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

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Assessment criteria revision | <input checked="" type="checkbox"/> Assessment methodology revision | <input type="checkbox"/> Assignment revision     |
| <input type="checkbox"/> Budgetary reallocation       | <input checked="" type="checkbox"/> Change in teaching approach     | <input type="checkbox"/> Course content revision |
| <input type="checkbox"/> Curricular Revision          | <input type="checkbox"/> Faculty training/development               | <input type="checkbox"/> Process revision        |

Recommendations, Proposals, and/or Funding Requests	Budget Needed
None.	N/A

**PART 4: REMAINING YEARS IN CURRENT ASSESSMENT CYCLE PLAN** (including any revisions) – **OR -- UPCOMING ASSESSMENT CYCLE PLAN** (if this was the final year)

<b>Years of Full Cycle</b>	<b>Next Year's Assessment Focus</b> (Describe how the next planned assessment is expected to provide information that can be used toward improving student learning.)
2016-2021	Next year's assessment cycle we will look at internal testing methods and student retention.

<b>Graduate Learning Outcomes to Be Assessed</b>	<b>Years in which Assessment Is Planned</b>	<b>Population/Courses to Be Assessed</b>	<b>Planned Assessment Approach</b>
FAA Powerplant Written Exam	2016-2021	Powerplant Certificate	Standardized Exams
Powerplant Written Final Exam	2016-2021	Powerplant Certificate	Standardized Exams
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