

## Aviation Maintenance Technology- Airframe and Powerplant (Certificate), Eastman

Semester reporting: Spring Semester 2020

Academic Program Assessment

### Program and Assessment Report Information

<b>Prepared on: 7/30/2020 8:58:30 AM</b>	Prepared by: martin.kehayes@mga.edu
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<b>In which college or school is this program located?</b>	Aviation
<b>Program Type:</b>	Certificate / Nexus (Standalone Only)
<b>For which program is this assessment being submitted?</b>	Aviation Maintenance Technology- Airframe and Powerplant (Certificate)
<b>Reporting Cycle:</b>	Annual Reporting Cycle
<b>Which semester were the data collected and analyzed?</b>	Spring Semester 2020
<b>For which campus are these assessments being submitted?</b>	Eastman
<b>Approximately how many students are in this program at this location?</b>	50

**Student Learning Outcomes**

**SLO 1**

<b>SLO 1: What is the first Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....)</b>	The student will exhibit knowledge of FAA airframe inspection and maintenance procedures.
<b>SLO 1: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)</b>	AMTP 2050 Final Exam
<b>SLO 1: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on....)</b>	80% mastery of FAA airframe inspection and maintenance procedures.
<b>SLO 1: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)</b>	23
<b>SLO 1: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process.)</b>	The percentage of those scoring above 80% dropped dramatically. If we had used the FAA minimum of 70%, we would have 69% success. I believe a contributing factor to this decline in test scores is related to a lack of incentive. This past year the FAA ceased to allow our students to test for their airframe certificates upon completion of the FAA curriculum. Therefore, the incentive was removed to score as high as possible in order to get authorization to test.

**Student Learning Outcomes**

**SLO 2**

<b>SLO 2: What is the second Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....)</b>	The student will demonstrate ability to perform FAA airframe inspections and maintenance procedures.
<b>SLO 2: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)</b>	Practical Project CIG-2, AMTP 2050
<b>SLO 2: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....).</b>	80% mastery to demonstrate ability to perform FAA airframe inspections and maintenance procedures.
<b>SLO 2: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)</b>	100
<b>SLO 2: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process. )</b>	Practical project accurately assesses students comprehensive knowledge of airframe inspections. Project involves numerous shop hours, and much "hands-on" learning.

**Student Learning Outcomes**

**SLO 3**

<p><b>SLO 3: What is the third Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....)</b></p>	<p>The student will exhibit knowledge of FAA powerplant inspection and maintenance procedures.</p>
<p><b>SLO 3: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)</b></p>	<p>AMTP 2250 Final Exam</p>
<p><b>SLO 3: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....).</b></p>	<p>80% mastery of FAA powerplant inspection and maintenance procedures.</p>
<p><b>SLO 3: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)</b></p>	<p>69</p>
<p><b>SLO 3: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process. )</b></p>	<p>The percentage dropped on this SLO from the previous year. I believe that this is attributed to the COVID-19 changes. This course, one week in, had to transition from a traditional class setting, to completely online. Students then returned in late May to complete final exam. All of this, I believe, contributed to lower overall test scores.</p>

## Student Learning Outcomes

### SLO 4

<b>SLO 4: What is the fourth Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....)</b>	The student will demonstrate ability to perform FAA aviation administration powerplant inspections and maintenance procedures.
<b>SLO 4: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)</b>	Practical project DIC8-2, AMTP 2250
<b>SLO 4: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....)</b>	80% mastery to demonstrate ability to perform FAA powerplant inspections and maintenance procedures.
<b>SLO 4: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100)</b>	100
<b>SLO 4: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process. )</b>	This assessment effectively gauges students understanding of powerplant inspections. Due to COVID-19 lock down, students were not able to complete this SLO until late May. Hands on, one on one, instruction was available at this time, and the success rate

## Sampling

<b>How many students participated in the assessment of these learning outcomes, in this program, for this assessment cycle at this location?</b>	13
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## Open Box for Assessment Comments

<b>Open Text Box For Assessment Comments:</b>	
<b>If the COVID-19 pandemic impacted this assessment cycle, please provide specific details below. (Also submit any COVID-19 correspondence from your accrediting body to <a href="mailto:assessment@mga.edu">assessment@mga.edu</a> when you submit this form with your Department name and program in the subject line.)</b>	COVID-19 did not affect the assessment process, but did affect student success on SLO's. In particular, the exams (see above SLO 1 and 3). Practical assignment based SLO's did not suffer. We were able to provide hands on learning environment over the course of the summer.

