Associates of Applied Science in Aviation Maintenance Technology, Eastman

Semester reporting: Spring Semester 2021

Reporting cycle: Annual Reporting Cycle

Academic Program Assessment by Location Report Information

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In which school is this program located?	Aviation
Program Type:	Undergraduate
Approximately how many students are enrolled in this program at this location?	113

Student Learning Outcomes

SLO1

7. 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.....)	The student will exhibit knowledge of FAA airframe inspection and maintenance procedures.
8. 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)	AMTP 2050 Final Exam
9. 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....)	80% mastery of the FAA airframe inspection and maintenance procedures.
10. 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)	76
11. SLO 1: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	The percentage of those scoring above 80% increased by 33% points. I believe COVID restrictions and online instruction had a negative affect on these scores. This year we were able to have face to face instruction.

Student Learning Outcomes

SLO2

12. 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.....)	The student will demonstrate ability to perform FAA airframe inspections and maintenance procedures.
13. 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)	Practical Project CIG-2, AMTP 2050
14. 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.....).	80% mastery in demonstrating ability to perform FAA airframe inspection and maintenance procedures.
15. 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)	88
16. SLO 2: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	Practical project accurately assesses students comprehensive knowledge of airframe inspections. Project involves numerous shop hours, and much "hands-on" learning.

Student Learning Outcomes

SLO3

17. 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.....)	The student will exhibit knowledge of FAA powerplant inspection and maintenance procedures.
18. 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)	AMTP 2250 Final Exam
19. 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.....).	80% mastery of knowledge of FAA powerplant inspection and maintenance procedures.
20. 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)	76
21. SLO 3: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	I believe test scores may have dropped due to lack of access to the FAA computer test prepware. This prepware was available in all of our computer labs until December of 2020, when it was discontinued.

Student Learning Outcomes

SLO4

22. 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.....)	The student will demonstrate ability to perform FAA aviation administration powerplant inspections and maintenance procedures.
23. 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)	Practical project DIC8-2, AMTP 2250
24. 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.....	80% mastery to demonstrate ability to perform FAA aviation powerplant inspections and maintenance procedures.
25. 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)	100
26. SLO 4: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	A different aircraft and engine was used for the assessment this year. All students did quite well on new aircraft. Seniors are showing good understanding of comprehensive inspections.

Sampling

27. How many students participated in the assessment of these learning outcomes, in this program, for this assessment cycle at this location?	17

Open Box for Assessment Comments

28. In this field, please document the overall use of assessment results for continuous improvement and Open Text Box For Assessment Comments:	We are working with library resources to try and obtain computer test prepware. This will aid in the studying of final comprehensive exam.
29. If the COVID-19 pandemic impacted this assessment cycle, please provide specific details below.	No