PLO Assessment

Acad Program - Aviation Maintenance Technology (AAS)

Execute Federal Aviation Administration (FAA) Forms (Copied on 04/23/2025, 10:37:49)

Program Learning Outcome: Execute Federal Aviation Administration (FAA) forms/records, composing appropriate corresponding aircraft maintenance records entries, and show compliance with a 100 hour/Annual inspection in accordance with the Title 14 of the Code of Federal Regulations (CFR). Assessed in the CTS- Airframe.
Outcome Status: Active
Assessment Years: 2024 - 2025

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Final Exam Grade **Assessment Method:** Course exams and projects. **Benchmark:** 50% of students enrolled will pass AMTG 1080 and AMTA 2140.	**Assessment Result Date**: 05/20/2025 **Assessment Result**: 95% of the students who attempted the required coursework successfully met the established requirements and passed the necessary material. **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met **Analysis**: Upon review of the courses associated with this PLO, 36 out of the 38 students who attempted to achieve this outcome were successful. **How did the previous cycle's improvement plan impact the data above?**: N/A **Improvement Plan**: Due to consistently high assessment results over the past two cycles, the Administration and Dean will meet with program faculty to evaluate whether the benchmark criterion percentage should be increased if the third cycle results significantly exceed the current target percentage.

Federal Aviation Administration (FAA) Certification (Copied on 04/23/2025, 10:38:04)

Program Learning Outcome: Pass the Federal Aviation Administration (FAA) knowledge, oral, practical and written examinations in General, Airframe, and Powerplant subjects and obtain FAA general mechanic, airframe and powerplant certifications. Assessed in the TD- Aviation Maintenance Technology Airframe and Powerplant.
Outcome Status: Active
Assessment Years: 2024 - 2025

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Licensing Exams **Assessment Method:** FAA Knowledge and Oral/Practical Tests	**Assessment Result Date**: 05/20/2025 **Assessment Result**: 100% of the students found in the FAA database successfully passed the certification exams. **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met

Assessment Method	Assessment Result
Benchmark: 50% of students taking Knowledge and Oral/Practical tests will pass.	**Additional Notes**: Due to the complexity of the Airmen Certification search process, instructors should communicate with students about the importance of providing their middle initial and home address to help ensure accurate identification and easier location of SOWELA students in the system. **Analysis**: All graduates from the Fall 2024 and Spring 2025 semesters were reviewed in the FAA database for General, Airframe, and Powerplant Airmen certifications. Of those who attempted the exams, 100% (5 out of 5 students) successfully met all certification requirements, and were awarded the certifications. **How did the previous cycle's improvement plan impact the data above?**: N/A **Improvement Plan**: Due to consistently high assessment results over the past two cycles, the Administration and Dean will meet with program faculty to evaluate whether the benchmark criterion percentage should be increased if the third cycle results significantly exceed the current target percentage. Also, due to the complexity of the Airmen Certification search process, instructors should communicate with students about the importance of providing their middle initial and home address to help ensure accurate identification and easier location of SOWELA students in the system.

Inspect Aircraft Components (Copied on 04/23/2025, 10:38:21)

Program Learning Outcome: Demonstrate mechanical ability to inspect an aircraft electrical, engine, fuel, navigation and instrument systems and other aircraft components specified by Title 14 of the Code of Federal Regulations (CFR) Part 147. Assessed through the CTS- Airframe and CTS- Powerplant.
Outcome Status: Active
Assessment Years: 2024 - 2025

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Demonstration **Assessment Method:** Course exams and projects. **Benchmark:** 50% of students enrolled will pass AMTA 2090, AMTA 2140, AMTP 2290, AMTA 2000, AMTP 2310, AMTA 2100 and/or AMTA 2110.	**Assessment Result Date**: 05/20/2025 **Assessment Result**: 80% of the students who attempted the required coursework successfully met the established requirements and passed the necessary material. **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met **Analysis**: Upon review of the courses associated with this PLO, 61 out of the 76 students who attempted to achieve this outcome were successful. **How did the previous cycle's improvement plan impact the data above?**: N/A

Assessment Method	Assessment Result
	Improvement Plan: Due to consistently high assessment results over the past two cycles, the Administration and Dean will meet with program faculty to evaluate whether the benchmark criterion percentage should be increased if the third cycle results significantly exceed the current target percentage.

Satisfactory Employment Habits (Copied on 04/23/2025, 10:39:14)

Program Learning Outcome: Display proper behavior reflecting satisfactory work habits, safety procedures, hazards, housekeeping, and ethics to fulfill program requirements and confidence to prepare for employment in the aviation maintenance industry. Assessed in CTS- Airframe.
Outcome Status: Active
Assessment Years: 2024 - 2025

Assessment Method	Assessment Result
Method Status: Active **Assessment Method Category:** Exam **Assessment Method:** Course exams and projects for AMTG 1030 and AMTG 1040. **Benchmark:** 50% of students will pass.	**Assessment Result Date**: 05/20/2025 **Assessment Result**: 98% of the students who attempted the required exams and projects associated with AMTG 1030, and AMTG 1040 successfully met the established requirements and passed the necessary material. **Reporting Period**: 2024 - 2025 **Result Type**: Benchmark Met **Analysis**: Upon review of the courses associated with this PLO, 48 out of the 49 students who attempted to achieve this outcome were successful. **How did the previous cycle's improvement plan impact the data above?**: N/A **Improvement Plan**: Due to consistently strong assessment results over the past two cycles, the Administration and Dean will meet with program faculty to evaluate whether the benchmark criterion percentage should be increased if the third cycle results significantly exceed the current target.