



## AVTE Assessments 2023-2024

Assessment data has been collected from Aviation Technology's (AVTE's) Aircraft Maintenance Technician: Airframe and Powerplant Associates degree program. This data was collected, using Canvas outcomes, from the following semesters:

- Summer 2023
- Fall 2023
- Spring 2024

Outcomes for this degree were developed by AVTE's maintenance faculty and staff. Outcomes were then uploaded into Canvas and faculty embedded those outcomes into each of his/her respective course. Faculty and staff then established specific course objectives in support of the outcomes. Finally, the objectives were used to evaluate whether students met the degree outcomes.

### Outcome Standards:

Under the program's mastery standard of 'Meets Expectations', instructors play a crucial role in evaluating students' knowledge and skills. Their thorough assessments ensure that the objectives for each course are met, whether through a written knowledge test, an oral test, or a practical application evaluation.

Due to the unique nature of aviation training requirements, it is not feasible to establish all-encompassing outcome standards (such as standardized percentages or practical application standards, etc.) to determine mastery. Instead, objectives are individually determined by each course of instruction to align with and assess outcome mastery.

## Compliance in Curriculum Development and Continuous Improvement:

Our commitment to excellence and compliance is not static but continuous. We ensure that our courses adhere to the guidelines and regulations set forth by the Federal Aviation Administration (FAA). By actively monitoring and staying current with FAA requirements, we consistently make necessary adjustments to our curriculum, ensuring that our students receive the most relevant and comprehensive education in the field each semester.

In addition to FAA regulations, we recognize the importance of meeting our industry partners' evolving needs and expectations. We collaborate with industry professionals and organizations, regularly seeking their input and feedback. This enables us to adapt and enhance our curriculum to align with the latest industry trends, technologies, and practices. By doing so, we equip our students with the skills and knowledge required to excel in their chosen careers and contribute meaningfully to the aviation industry.

Our commitment to incorporating FAA regulations and industry demands into our curriculum underscores our dedication to providing a high-quality education that prepares students for success in the aviation field.



## AVTE's Degree Outcomes

### Aircraft Maintenance Technician: Airframe & Powerplant (AAS)

MX #1: **Learn** basic principles of aviation science.

MX #2: **Learn, demonstrate, and investigate/repair** aircraft structures to FAA airworthiness standards.

MX #3: **Learn, demonstrate, and investigate/repair** aircraft powerplants to FAA airworthiness standards.

MX #4: **Learn, demonstrate, and investigate/repair** aircraft systems to FAA airworthiness standards.

MX #5: **Identify** principles associated with the maintenance of aircraft.

Learning Outcome	% of students who met the outcome	Course	Assignment which was assessed
MX #1	96%	Spring 2024 AV-2170-001	AV 2170 Final Exam
MX #1	96%	Spring 2024 AV-2170-001	Design Project
MX #1	92%	Fall 2023 AV-1130-001	Final exam (Remotely Proctored)
MX #1	100%	Fall 2023 AV-1130-001	Final exam remote (Remotely Proctored)
MX #2	96%	Spring 2024 AV-1240-001	Final Exam
MX #2	88%	Fall 2023 AV-1140-001	Final Exam (Remotely Proctored)
MX #2	96%	Fall 2023 AV-1170-001	Lab 10 Airfoil
MX #4	96%	Spring 2024 AV-2170-001	AV 2170 Final Exam

Learning Outcome	% of students who met the outcome	Course	Assignment which was assessed
MX #4	100%	Fall 2023 AV-2180-001	Design Project
MX #4	100%	Spring 2024 AV-2430-001	Final exam
MX #4	100%	Spring 2024 AV-2440-001	Final Exam
MX #4	100%	Fall 2023 AV-2200-001	Lab #5 General System Information T3
MX #4	91%	Spring 2024 AV-2190-001	Systems Lab Final
MX #5	100%	Spring 2024 AV-2150-001	AV 2150 Lab Final
MX #5	96%	Spring 2024 AV-1240-001	Final Exam
MX #5	100%	Spring 2024 AV-2430-001	Final exam
MX #5	100%	Spring 2024 AV-3420-001	Final Exam
MX #5	91%	Spring 2024 AV-2140-001	Final Exam - Paper
MX #5	88%	Fall 2023 AV-1140-001	Final Exam (Remotely Proctored)

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### **Outcome Standards**

To satisfy the program's mastery standard of "Meets Expectations," instructors evaluate students' knowledge and skills in sufficient depth to ensure that the objectives for each course are achieved. This evaluation may include a written knowledge test, an oral test, or a practical application evaluation.

Due to the unique nature of aviation training requirements, it is not feasible to establish all-encompassing outcome standards (such as standardized percentages or practical application standards, etc.) to determine mastery. Instead, objectives are individually determined by each course of instruction to align with and assess outcome mastery.

## Compliance in Curriculum Development and Continuous Improvement

Our commitment to excellence and compliance is reflected in our approach to curriculum development and continuous improvement. We ensure that our courses adhere to the guidelines and regulations set forth by the Federal Aviation Administration (FAA). By actively monitoring and staying up to date with FAA requirements, we consistently make necessary adjustments to our curriculum, ensuring that our students receive the most relevant and comprehensive education in the field each semester.

In addition to FAA regulations, we recognize the importance of meeting the evolving needs and expectations of our industry partners. We maintain a collaborative relationship with industry professionals and organizations, regularly seeking their input and feedback. This enables us to adapt and enhance our curriculum to align with the latest industry trends, technologies, and practices. By doing so, we equip our students with the skills and knowledge required to excel in their chosen careers and contribute meaningfully to the aviation industry.

Our commitment to incorporating FAA regulations and industry demands into our curriculum underscores our dedication to providing a high-quality education that prepares students for success in the aviation field.



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### Aircraft Maintenance Technician: Airframe & Powerplant (AAS)

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MX #3: **Learn**, **demonstrate**, and **investigate/repair** aircraft powerplants to FAA airworthiness standards.

MX #4: **Learn**, **demonstrate**, and **investigate/repair** aircraft systems to FAA airworthiness standards.

MX #5: **Identify** principles associated with the maintenance of aircraft.

Learning Outcome	% of students who met the outcome	Course	Assignment which was assessed
MX #1	87%	Spring 2023 AV-2170-001	AV 2170 Final Exam
MX #1	56%	Fall 2022 AV-1130-001	Final exam (Remotely Proctored)
MX #2	91%	Spring 2023 AV-1240-001	Final Exam
MX #2	74%	Fall 2022 AV-1140-001	Final Exam (Remotely Proctored)
MX #2	86%	Fall 2022 AV-1170-001	Lab 10 Airfoil
MX #4	87%	Spring 2023 AV-2170-001	AV 2170 Final Exam
MX #4	91%	Fall 2022 AV-2180-001	Design Project
MX #4	100%	Fall 2022 AV-2200-001	Lab #5 General System Information T3
MX #5	91%	Spring 2023 AV-1240-001	Final Exam
MX #5	74%	Fall 2022 AV-1140-001	Final Exam (Remotely Proctored)