


# AABInternational

	<b>Eastern Michigan University</b>
	GameAbove College of Engineering and Technology, School of Technology and Professional Services Management
	Bachelor of Science in Aviation Flight Technology Bachelor of Science in Aviation Management Technology
May 25, 2023	Student Achievement Data

For each AABI-accredited program, AABI Policy 3.4.2 requires institutions to accurately publish on the program's public website, a report of student achievement data including the following information, updated annually:

- The objectives of each AABI-candidate program
- Program assessment measures employed
- Graduation rates
- Rates and types of employment of graduates

Eastern Michigan University's School of Technology and Professional Services Management has two AABI-candidate programs:

- Bachelor of Science in Aviation Flight Technology
- Bachelor of Science in Aviation Management Technology

This document presents mission statements, program objectives, assessment methods employed, graduation rates, and rates and types of employment for each candidate degree program.

## **Mission Statements**

### **Eastern Michigan University Mission Statement**

EMU enriches lives in a supportive, intellectually dynamic and diverse community. Our dedicated faculty balance teaching and research to prepare students with relevant skills and real-world awareness. We are an institution of opportunity where students learn in and beyond the classroom to benefit the local and global communities.

### **School Mission Statement**

The mission of the School of Technology and Professional Services Management complements and strongly supports the mission of Eastern Michigan University. Specifically, the School's mission statement is as follows:

- *The Mission of TPSM is to offer theoretical and applied programs that focus on technology, management, and professional studies. Curriculum is grounded in scholarly research, is professionally driven, globally centered, and reinforced with real-world experiences.*

The EMU School of Technology and Professional Services Management has two distinct aviation undergraduate programs. They are Aviation Flight Technology and Aviation Management Technology.

## **Program Educational Goals (PEGs)**

### **Bachelor of Science in Aviation Flight Technology**

Consistent with the mission of the school, the mission of the Professional Flight Technology program is as follows:

- *Our Bachelor of Science in Aviation Flight Technology prepares graduates for a career as a professional pilot. The curriculum includes specialized courses in aircraft systems, automation, human factors, weather, industry regulations and crew resource management.*

The Aviation Flight Technology faculty and the Industry Advisory Board have identified six program-level competencies that map across the previously used program educational goals. The competency-based assessment provides the additional advantage of both rigorous as well as progressive assessment of student's attainment of requisite knowledge, abilities, and skills throughout their educational experience:

Instruments of direct measures and the corresponding assessment rubrics are being developed, implemented, and improved upon.

### **Bachelor of Science in Aviation Management Technology**

Consistent with the mission of the School, the mission of the Aviation Management Technology program is as follows:

- *Our Bachelor of Science in Aviation Management Technology prepares graduates for business and supervisory positions in the aviation industry. The curriculum includes courses designed to provide aviation managers with a strong foundation in areas of passenger safety, airline operations, airport planning, logistics, industry trends, finance, and sound business practices.*

The Aviation Management Technology faculty and the Industry Advisory Board have identified six program-level competencies that map across the previously used program educational goals. The competency-based assessment provides the additional advantage of both rigorous as well as progressive assessment of student's attainment of requisite knowledge, abilities, and skills throughout their educational experience:

- Enhance students' business and management skills.
- Engage with the aviation industry in a professionally appropriate way.
- Develop students' communication skills, including written and oral communication skills.
- Offer students a thorough understanding of the aviation industry's structure, trends, challenges, and prospects to better prepare themselves for the future of aviation.

Instruments of direct measures and the corresponding assessment rubrics are being developed, implemented, and improved upon.

## **Program Assessment Measures Employed**

The following has been established as an assessment timeline to ensure continuous improvement of the Aviation Programs.:

Criterion	Assessment Process	Cycle
1) Programs Educational Goals	Senior Students Exit Survey Advisory Board Survey Alumni Survey	Every year Every 3 years Every 3 years
2) Aviation Core Outcomes	Senior Students Exit Survey Advisory Board Survey Alumni Survey	Every year Every 3 years Every 3 years
3) PLO's: Aviation Flight	Senior Students Exit Survey Advisory Board Survey Alumni Survey	Every year Every 3 years Every 3 years
4) PLO's: Aviation Management	Senior Students Exit Survey Advisory Board Survey Alumni Survey	Every year Every 3 years Every 3 years
5) Course-level Students' Learning Outcomes	Template (as above)	Each Semester
6) Aviation Faculty Goals	Assessment Report	Every Year (Fall)
7) Safety Assessment	Assessment Report	After incidents

Each item in Criterion 3.10.2 (Note: using AABI Criteria Manual 201, dated 7-15-22) is clearly identified and appropriately responded to in Exhibit EE.



**EASTERN MICHIGAN UNIVERSITY AVIATION  
PROGRAM  
AVIATION FLIGHT TECHNOLOGY PROGRAM  
AABI PROGRAM OUTCOMES MAP**

<b>List the Program Criteria Outcomes (derived from the Program Educational Goals in Section 3.2)</b>	<b>AVT 320</b>	<b>AVFT222</b>	<b>AVFO170 AVFO 240 AVFO 360</b>	<b>AVFT321</b>	<b>AVT 422</b>
<p>Strive for human potential through the use of a collegiate education:</p> <p>Offer students a comprehensive educational journey that enriches their communication, teamwork, and leadership abilities, while cultivating an appreciation for diverse cultures.</p>	X	X	X	X	X
<p>Empower individuals with essential skills to cultivate and nurture a safety-centric culture within the aviation industry.:</p> <p>Illuminate the paramount importance of our role in cultivating a safety-focused culture throughout the aviation industry.</p>	X	X	X	X	X
<p>Inculcate graduates with exceptional aviation technical skills:</p> <p>Prepare aspiring aviation professionals to possess the utmost knowledge and technical proficiency before joining the aviation community.</p>		X	X	X	
<p>Facilitate the establishment of a strong groundwork for the ongoing utilization of aviation technology.:</p> <p>With the constant evolution of technology requirements in the aviation industry, we lay a knowledge foundation that encompasses present technology usage and future applications.</p>		X	X		X
<p>Upon completing the Aviation Flight Technology program, students will obtain their Commercial Pilot license, in addition to either their multi-engine add-on or Certified Flight Instructor ratings, ensuring a comprehensive skill set upon graduation.:</p> <p>Students will graduate ready to join the aviation industry workforce upon graduation as either a flight instructor or a commercial pilot.</p>			X		X



**EASTERN MICHIGAN UNIVERSITY  
AVIATION MANAGEMENT TECHNOLOGY  
PROGRAM**

**AABI PROGRAM OUTCOMES MAP**

List the Program Criteria Outcomes (derived from the Program Educational Goals in Section 3.2)	AVMT 340	AVMT 387L4	AVT 313	AVT 320	AVT 422
Enhance students' business and management skills.	X			X	X
Engage with the aviation industry in a professionally appropriate way		X			
Develop students' communication skills, including written and oral communication skills.			X	X	X
Offer students a thorough understanding of the aviation industry's structure, trends, challenges, and prospects to better prepare themselves for the future of aviation			X	X	

## **Graduation Rates**

### **Total Graduates per Year**

<b>Majors</b>	<b>2017- 2018</b>	<b>2018- 2019</b>	<b>2019 - 2020</b>	<b>2020 - 2021</b>	<b>2021- 2022</b>
Aviation Flight Technology	13	8	12	14	08
Aviation Management Technology	13	15	17	15	20
<b>TOTAL</b>	<b>26</b>	<b>23</b>	<b>29</b>	<b>29</b>	<b>28</b>

### **2<sup>nd</sup> Year Retention-Must have started and stayed in the School of Technology and Professional Services Management**

<b>Majors</b>	<b>Fall 2015</b>	<b>Fall 2016</b>	<b>Fall 2017</b>
Aviation Flight Technology	76.92%	81.82%	100%
Aviation Management Technology	100%	50%	-

### **4-Year Graduation Rates-Must have started and graduated in the School of Technology and Professional Services Management**

<b>Majors</b>	<b>Fall 2015</b>	<b>Fall 2016</b>	<b>Fall 2017</b>
Aviation Flight Technology	46.15%	27.27%	50%
Aviation Management Technology	0%	25%	-

### **6-Year Graduation Rates-Must have started and graduated in the School of Technology and Professional Services Management**

<b>Majors</b>	<b>Fall 2015</b>	<b>Fall 2016</b>	<b>Fall 2017</b>
Aviation Flight Technology	53.85%	50%	50%
Aviation Management Technology	100%	25%	-

## **Employment/Graduation Plans**

### **Sample Places of Employment**

Kalitta Air

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U.S. Navy

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Solo Aviation

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Spirit Airlines

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SkyWest Airlines

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### **Plans After Graduation – 5-Year Trend**

<b>Year</b>	<b>Employed</b>	<b>Continuing Education</b>	<b>Seeking Employment</b>	<b>Other</b>
<b>2019</b>	100%	50%	--	--
<b>2020</b>	100%	100%	--	--
<b>2021</b>	100%	66.67%	--	--
<b>2022</b>	100%	50%	--	--
<b>2023</b>	100%	100%	--	--