


AABInternational

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|  WESTERN MICHIGAN UNIVERSITY | Western Michigan University |
| | College of Aviation |
| | Aviation Flight Science, Management and Operations, and Technical Operations |
| December 2022 | Student Achievement Data |

AABI accredited aviation programs must publish a report of student achievement data on their public website including the following information, updated annually:

- The Program educational goals
- Program assessment measures
- Retention and graduation rates
- Employment rates and types of employment of graduates

The WMU College of Aviation has three distinct aviation undergraduate programs. They are Aviation Flight Science, Aviation Management and Operations, and Aviation Technical Operations.

Aviation Management and Operations Program Educational Goals

Within two years of graduation, Aviation Management and Operations (AMOJ) graduates will be employed in aerospace organizations in positions such as customer support and customer service, sales and marketing, dispatch, scheduling, fixed-base operations, pricing, training, and planning, and entry-level airline and airport management positions. Graduates will be demonstrating their critical thinking, communication, teamwork, leadership, global awareness, and situational awareness skills on a daily basis.

Five to ten years after entering the industry, ASA graduates will advance into supervisory and senior position roles. Examples of these positions are project manager and team leader.

Ten to fifteen years after graduation, ASA graduates will hold middle management positions. Department manager, program manager, and supervisor of operations are examples of the positions that they may have.

As their careers progress, Aviation Management and Operations alumni will continue to move forward into high level management positions such as director and senior manager.

Aviation Technical Operations Educational Goals

Within two years of graduation, Aviation Maintenance Technology (ATOJ) graduates will be employed in positions such as aircraft maintenance technician, product field service, manufacturer-customer technical liaison,

technical publications and field test technician. Graduates will be demonstrating their critical thinking, communication, teamwork, leadership, global awareness, and technology abilities on a daily basis.

Five to ten years after entering the industry, ATOJ graduates will advance into supervisory and senior position roles. Examples of these positions are shift foreman, inspector, lead technician, and senior product support specialist.

Ten to fifteen years after graduation, ATOJ graduates will hold management positions. Department manager, project manager, and team leader are examples of the positions that they may have.

As their careers progress, Aviation Technology Operations alumni will continue to move forward into high level management positions such as director of maintenance and director of product support.

Aviation Flight Science Program Educational Goals

Within five years of graduation, Aviation Flight Science (AFSJ) graduates will be employed as first officers with a regional carrier, copilots in a corporate aviation position, flight instructors, or charter pilots. Graduates will be demonstrating their critical thinking, communication, teamwork and situational awareness skills in their current position.

Five to ten years after graduation, AFSJ graduates will hold a Captain position at regional or corporate flight departments and may have attained First Officer positions at network carriers. Our graduates will demonstrate the leadership and character that is expected of a Professional Pilot.

As their careers progress, Aviation Flight Science alumni will possess the skills to move into senior flight management positions such as chief pilot, director of flight operations, director of pilot training, check airmen, and simulation. Aviation Flight Science (AFSJ) graduates will continue demonstrating their critical thinking, communication, teamwork and leadership skills as well as increase their global and situational awareness.

Assessment of Program Educational Objectives

The program educational objectives will be completely assessed every five (5) years. A cycle of individual assessments will take place over the five year period.

- Program placement rate (collected annually via survey or interview).
- Graduate industry placement, company, level, salary over time (annually for new graduates, every three years for alumni via survey or interview)
- Employer feedback (every three years via survey or interview)
- Graduate feedback (every three years via survey or interview)

Student Retention and Graduation Rates

WMU Aviation Data for Accreditation

2nd Year Retention - Must have started and stayed in College of Aviation

| | Cohort Year | | | |
|-------------|-------------|-----------|-----------|-----------|
| | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 |
| AFSJ | 79.4% | 77.2% | 71.8% | 84.7% |
| AMoj | 60.0% | 66.7% | 72.7% | 57.7% |
| ATOJ | 70.0% | 61.5% | 66.7% | 66.7% |

6 Year Graduation Rates - Must have started and graduated in College of Aviation

| | Cohort Year | | | |
|--------------------|-------------|-----------|-----------|-----------|
| | Fall 2013 | Fall 2014 | Fall 2015 | Fall 2016 |
| AFSJ | 55.0% | 52.6% | 59.4% | 52.7% |
| AMoj | 22.2% | 37.5% | 38.5% | 57.1% |
| ATOJ (MTCJ) | 47.4% | 36.4% | 53.9% | 53.9% |

Degrees and Majors Awarded

| Aviation | | | | | | | | |
|------------------------------------|---------------------------------------|--|--|------------|------------|------------|------------|------------|
| | | | | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 |
| AFAJ(Changed to AFSJ) | AVIATION FLIGHT SCI: OPTION A | | | 9 | 3 | 1 | 1 | 0 |
| AFSJ | Aviation Flight Science | | | 65 | 70 | 63 | 110 | 94 |
| AMoj | Aviation Mgmt & Operations | | | 41 | 44 | 61 | 75 | 97 |
| ATOJ | Aviation Technical Operations | | | 0 | 0 | 1 | 0 | 7 |
| AVAJ (Changed to AMoj) | AVIATION SCIENCE & ADM | | | 5 | 4 | 1 | 0 | 1 |
| MTCJ (Changed to ATOJ) | AVIATION MAINTENANCE TECH | | | 22 | 20 | 12 | 13 | 15 |
| Baccalaureate Degrees Total | | | | 142 | 141 | 139 | 199 | 214 |

Employment rates and types of employment of graduates

About the data: Western Michigan University conducts the annual Post-Graduation Activity Survey in accordance with the “Standards and Protocols for the Collection and Dissemination of Graduating Student Initial Career Outcomes Information” published by the National Association of Colleges and Employers (NACE).

Three weeks before each graduation, all graduating students receive an email on behalf of their college dean, department chairperson, or program director with a personalized link to the Post-Graduation Activity Survey. Survey respondents select one post-graduation activity category: working full time, working part time, further education, military service, volunteering full time (e.g., Peace Corps, AmeriCorps, mission work), personal commitments (e.g., family, travel, etc.), or looking for work.

Nonrespondents receive at least four reminders via email. For the graduates who have not responded to the survey

after multiple invitations, we gather employment data from public LinkedIn profiles. We obtained data for 69% of graduates (N=3,346). Sixty-eight (68%) percent of the data in this report was obtained through the online questionnaire and 32% through LinkedIn.

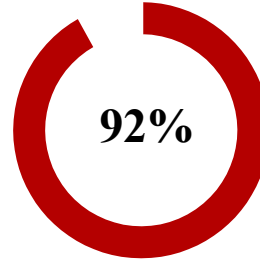
Post-graduation activity data was updated throughout the year by following up with respondents who indicated they were seeking employment at the time of completing the survey. The data collection cycle ended on October 30, 2021.

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Aviation

Post-Graduation Activity

92% of Aviation graduates were actively engaged



| | Count | Percent |
|-----------------------------|-----------|------------|
| Actively Engaged | 90 | 92% |
| Employed full time | 67 | 68% |
| Employed part time | 8 | 8% |
| Continuing education | 9 | 9% |
| Military service | 6 | 6% |
| Not Actively Engaged | 8 | 8% |
| Looking for work | 8 | 8% |

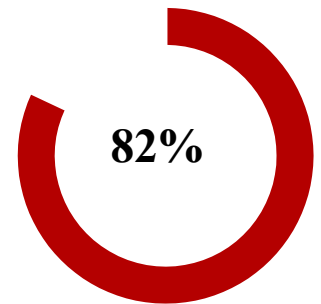
Continuing Education

- **9%** of Aviation respondents are continuing education after graduating from WMU.
- **50%** are pursuing master’s degrees, and 50% certification programs/licensure.

Experiential Education

82% of WMU graduates completed at least one experiential education activity.

- **36%** had an internship, co-op, practicum, or field experience where they applied what they were learning in the classroom.
- **52%** had a job (full time or part time; on or off campus) where they applied what they were learning in the classroom.
- **41%** worked on a project that took a semester or more to complete (e.g., capstone, senior design, senior performance project).
- **55%** were very active in extracurricular activities and organizations (e.g., leadership role, or involved in multiple organizations such as RSO, intramurals, club sports, or volunteerism).



Top Internship Employers

- | | | |
|-----------------------------|------------------------|-----------------------------------|
| Aerodesign Services | Delta Airlines | Pentastar Aviation |
| Aspen Pitkin County Airport | Kalamazoo/Battle Creek | Stryker |
| Avfuel Corporation | International Airport | The Walsh Group/LaGuardia Airport |

Aviation

Full-Time Employment

- **68%** were **employed full time**.
- **Median salary** was **\$35,001-\$40,000** (35 responses).
- **74%** had a job in **Michigan**.
- **85%** had a job **related** to their degree.
- **90%** were **satisfied with their job**.

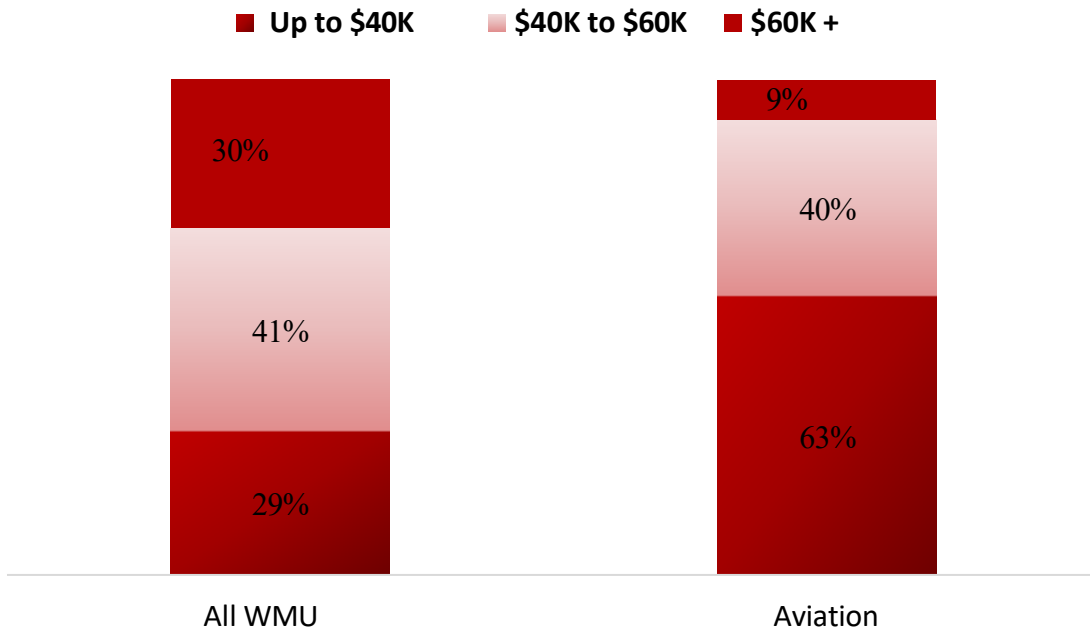
Top Employers

Air Wisconsin Airlines
 Delta Airlines
 Duncan Aviation
 Pentastar Aviation
 Republic Airways
 UPS

Salary Ranges for Full-Time Employment

Number of Responses: 35

| | |
|-----------------------------|----------------------------|
| 25 th Percentile | \$25,001 - \$30,000 |
| 50 th Percentile | \$35,001 - \$40,000 |
| 75 th Percentile | \$40,001 - \$45,000 |



Experiences at WMU

- **98%** had at least one instructor who made them excited about learning.
- **86%** felt that their instructors cared about them as a person.
- **72%** had a mentor who encouraged them to pursue their goals and dreams.
- **93%** said that their education and experience as a student at WMU prepared them for their profession.

Survey Population

The Post-Graduation Activity Survey was sent to all of 183 students who earned a degree from the College of Aviation between August 2020 and June 2021.

| Degrees Awarded | Response Rate |
|-----------------|----------------------|
| Bachelor's 183 | 98 54% |

Aviation Flight Science

93% of degree recipients were actively engaged.

| | Count | Percent |
|-----------------------------|-----------|------------|
| Actively Engaged | 53 | 93% |
| Employed full time | 39 | 68% |
| Employed part time | 8 | 12% |
| Continuing education | 4 | 7% |
| Military service | 3 | 5% |
| Not Actively Engaged | 4 | 7% |
| Looking for work | 4 | 7% |

Full-time Employment

- Median salary was \$32,501-\$37,500 (22 responses).
- 79% had a job in Michigan.
- 95% had a job related to their degree.
- 84% were satisfied with their job.

Job Titles and Employers

Aviation Planner / Aeronautical Analyst at RSandH
 Maxar Technologies
 CFI at AeroGuard Flight Training Center
 Certified Flight Instructor at WMU
 Commercial Pilot at Republic Airways
 Coordinator of Flight Operations at Fresh Air Aviation
 Drone Operator at UPS
 Duty Operations Manager at Airport Synergy Group
 First Officer at Air Wisconsin Airlines
 Flight Engineer at IFL Group

Flight Instructor at Aims Community College
 Flight Instructor at Cirrus Aircraft
 Flight Instructor at New Horizons Aviation
 Flight Instructor at Spaceport Aviation
 Flight Instructor at WMU
 Line Service Technician at Premier Private Jets Pilot
 at TFF
 Ramp Agent at DAL Global Services
 Ramp Agent at Delta Airlines Records
 Supervisor at Mesa Airlines
 Team Leader at Duncan Aviation

Continuing Education

Master's in Business Administration at WMU

Internships

Delta Air Lines Stryker

Survey Population

| Degrees Awarded | | Response Rate |
|-----------------|-----|---------------|
| Bachelor's | 111 | 57% |

Aviation Management & Operations / Aviation Technical Operations

This section includes the following majors: Aviation Management and Operations; and Aviation Technical Operations.

92% of degree recipients were actively engaged.

| | Count | Percent |
|-----------------------------|-----------|------------|
| Actively Engaged | 47 | 92% |
| Employed full time | 36 | 71% |
| Employed part time | 1 | 2% |
| Continuing education | 6 | 12% |
| Military service | 4 | 8% |
| Not Actively Engaged | 4 | 8% |
| Looking for work | 4 | 8% |

Full-time Employment

- Median salary was \$35,001-\$40,000 (18 responses).
- 67% had a job in Michigan.
- 74% had a job related to their degree.
- 100% were satisfied with their job.

Survey Population

| | Degrees | Response Rate |
|------------|---------|---------------|
| Bachelor's | 88 | 51% |

Job Titles and Employers

Aviation Management and Operations:

Airport Operations Officer at Capital Region Airport Authority
 Avionics Technician at Duncan Aviation
 Commercial Pilot at Republic Airways
 Customer Service Agent at Unifi Service
 Field Services Supervisor at DHL Express
 Flight Follower at Pentastar Aviation
 Flight Operations Billing Coordinator at Pentastar Aviation
 Operations Officer at Gerald Ford International Airport
 Project Engineer at Alston Construction
 Project Engineer at The Walsh Group
 Ramp Agent at Delta Airlines
 Ramp Agent at Delta Ground Services
 Talent Acquisition Coordinator at Republic Airways
 Terminal Office Attendant at Jack Barstow Airport
 Trainer at Athora

Aviation Technical Operations:

A&P Mechanic at SkyWest Airlines
 Airframe and Powerplant Mechanic at WMU
 Avionics Technician at Michigan Aviation
 Avionics Technician at Pentastar Aviation

Updated December 2022

Internships

Aerodesign Services
Aspen Pitkin County Airport
Avfuel Corporation
Kalamazoo/Battle Creek International Airport
Pentastar Aviation
Stryker
The Walsh Group/LaGuardia Airport

Continuing Education

Certification at Crosswinds Aviation
Master's in Business Administration at WMU
Master's in Engineering at New York University

Western Michigan University | Post-Graduation Activity Report 2020–21 | wmich.edu/career/planning