

Aeronautical Management Technology (Air Transportation Management), BS

TSAMTMBS

Program description


The air transportation management concentration of the BS program in aeronautical management technology provides students with a strong foundation in aviation concepts, including airline administration, airport planning, aviation law and policy, and human factors, as well as technical knowledge focusing on power plants, structures and aerodynamics. Students progress into courses on the business and management and operational aspects of aviation, such as airline administration and airport planning. All students finish the program by participating in an internship within industry and completing a capstone project.

This program prepares students for leadership positions within airlines, at airports, and in government, consulting and entrepreneurial enterprises.

The Aviation Accreditation Board International accredits this program.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of [the WUE program](#).

At a glance

- **College/School:** [Ira A. Fulton Schools of Engineering](#)
- **Location:** [Polytechnic](#) **WUE**
- **Second language requirement:** No
- **First required math course:** MAT 170 - Precalculus
- **Math intensity:** Moderate 

Required courses (Major Map)

[2024 - 2025 Major Map](#)

[Major Map \(Archives\)](#)

Concurrent program options

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

Accelerated program options

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an [accelerated bachelor's plus master's degree](#) with:

[Technology \(Aviation Management and Human Factors\), MSTech](#)

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and [how to apply](#).

Admission requirements

General university admission requirements:

All students are required to meet general university admission requirements.

[First-year](#) | [Transfer](#) | [International](#) | [Readmission](#)

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about [ASU tuition and financial aid](#) options to find out which will work best for them.

Change of Major Requirements

A current ASU student must have a minimum cumulative ASU GPA of 2.00 (scale is 4.00 = "A").

Students should visit the [Change of Major form](#) for information about how to change a major to this program.

Transfer options

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use [MyPath2ASU®](#) to outline a list of recommended courses to take prior to transfer.

ASU has [transfer partnerships](#) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

Global opportunities

Global experience

The aviation industry is a global one, and understanding intercultural communication is vital to succeeding in it. Through the rich educational and interpersonal experiences inherent in study abroad, students learn to thrive in a global environment.

With over 300 [Global Education program opportunities](#) available to them, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

A resume enhanced by valuable study abroad experiences will impress prospective employers and help the student stand out should they decide to pursue advanced study.

Career opportunities

Graduates with a degree in air transportation management are prepared for careers in:

- airline management
- airline operations management
- airport management
- aviation consulting
- fixed-base operations management
- general aviation operations management

Graduates are also prepared to enter into entrepreneurial ventures and for government positions with organizations such as the Federal Aviation Administration, the Department of Transportation and the National Transportation Safety Board.

Example job titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience and geographical location may affect pay scales. Some jobs also may require advanced degrees, certifications or state-specific licensure.

| Career | *Growth | *Median salary |
|---|---------|----------------|
| <u>Distribution Center Manager</u>  | 8.2% | \$98,560 |

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

 Bright Outlook

Professional licensure

ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the [ASU professional licensure](#) webpage.

Students should note that not all programs within the Ira A. Fulton Schools of Engineering lead to professional licensure.

Contact information

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