Technology (Aviation Management and Human Factors), MSTech

Program Description

Degree Awarded: MSTech Technology (Aviation Management and Human Factors)

The MSTech degree program offers a concentration in aviation management and human factors. The program's focus is on preparing graduates for a career in the aviation industry, and it can serve as the foundation for further advanced study. Courses are offered at the Polytechnic campus, with some courses offered as iCourses. Graduates of this program are provided with technical and professional skills for use in leadership positions in the aviation industry.

At a Glance

- **College/School:** Ira A. Fulton Schools of Engineering
- **Location:** Polytechnic campus

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 and master's degree with:

- Aeronautical Management Technology (Air Traffic Management), BS
- Aeronautical Management Technology (Air Transportation Management), BS
- Aeronautical Management Technology (Professional Flight), BS
- Aeronautical Management Technology (Unmanned Aerial Systems), BS
- Air Traffic Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.
Degree Requirements

33 credit hours and a portfolio, or
33 credit hours and a thesis, or
33 credit hours including the required applied project course (AMT 593)

Required Core (12 credit hours)

Restricted Electives (3-21 credit hours)

Human Factors Track Option (12 or 15 credit hours)

Aviation Management Track Option (12 or 15 credit hours)

Culminating Experience (0-6 credit hours)
AMT 593 Applied Project (3) or
AMT 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
The detailed design of the graduate student's program requirements (33 credit hours) with the selection of the required courses is the responsibility of the student along with the supervisory committee chair and committee members.

Students in this graduate program also have the opportunity to enroll in human systems engineering (prefix HSE) and technological entrepreneurship and management (prefix TEM) graduate courses. Students may focus their study on courses that will best prepare them for their career or for the next step in their educational process.

Applied project students complete 15 credit hours (five track courses) and thesis students complete 12 credit hours (four track courses) selected in consultation with an advisor. In addition, three credit hours of AMT elective coursework are chosen in conjunction with the student's advisor or committee. Students who do not select a track complete 15 or 18 credit hours from the restricted electives list or other courses approved by the student's supervisory committee. All students in the aviation management and human factors concentration must take at least five AMT graduate courses.

The portfolio option demonstrates a high level of mastery of the principals and practice of aviation management and human factors through a compilation of work that the student completes through the course of their graduate study. While the specific details will depend on the student's specialization, all portfolios must describe three notable projects or academic accomplishments that the student has completed through the course of graduate study that illustrate the evolution and advancement of the student's technical expertise and mastery of the field of aviation management and human factors. Submission will include a written document that includes an overview of graduate experience and descriptions of projects presented in the portfolio.
Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered.

1. graduate admission application and application fee
2. official transcript from each college or university attended
3. official GRE general exam scores
4. statement of purpose
5. current resume
6. three letters of recommendation
7. proof of English proficiency

Additional Application Requirements
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://admission.asu.edu/international/graduate/english-proficiency.

Application Deadlines

Fall
Spring

Contact Information

Aviation Programs | WANER 101
polygrad@asu.edu | 480-727-4723
Admission Deadlines