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 Degrees

This degree is also offered in an accelerated format 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 and senior years, eligible students will be advised by their academic departments to apply.
Degree Requirements

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 (3-18 credit hours)

Human Factors Track Option (12 or 15 credit hours)

Aviation Management Track Option (12 or 15 credit hours)

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

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

All master's degree courses will be 500-level courses. A single course exception (400-level course) may be authorized with the consensus of the supervisory committee. Students in this graduate program also have the opportunity to enroll in operations management technology and human systems engineering graduate courses.

Students may focus their study in a track in aviation management or in human factors. Students in a track complete 12 or 15 credit hours of required track courses, depending upon the culminating experience option selected. Applied project students will complete 15 credit hours (five track courses) and thesis students will complete 12 credit hours (four track courses) selected in consultation with an advisor. In addition, three credit hours of AMT elective coursework are to be 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.

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 a student's 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.

International applicants can find complete information on the English proficiency exams and other required documents at https://students.asu.edu/graduate/proficiency.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration. Undergraduate coursework of admitted applicants to this program generally include calculus and statistics.

Contact Information

Aviation Programs | WANER 204
polygrad@asu.edu | 480-727-1874
Admission Deadlines