

Degree Requirements

MS Tech in Technology (Aviation Management and Human Factors)



The MS Tech in Technology (Aviation Management and Human Factors) requires a minimum of 33 credit hours. These credit hours must reflect one of the following options:

- 33 credit hours and a portfolio, or
- 33 credit hours including the required Applied Project course (AMT 593), or
- 33 credit hours including the required Thesis course (AMT 599) and a thesis

Coursework

Required Core Courses (9 credit hours)**

- AMT 533 Aviation Systems & Psychology (3)
- HSE 530 Intermediate Statistics for Human Systems Engineering (3)
- OMT 520 Strategic Mgmt of Technology (3) - **OR** - OMT 570 Advanced Project Management (3)

Focus Area Courses (15 credit hours from the following areas)**

Aviation Management

- AMT 522 Aviation Law
- AMT 525 Airport Plan & Design
- AMT 526 Aviation Labor Relations
- AMT 527 Airline Management Strategies

Human Factors

- AMT 541 Aerospace Physiology
- AMT 546 Crew Resource Management
- AMT 565 Safety in Complex Systems
- AMT 570 Unmanned Aerial Systems
- HSE 521 Methods and Tools in Human Systems Engineering
- HSE 542 Foundations of Human Systems Engineering

Elective Courses (3-9 credit hours)

Chosen in conjunction with the student's advisor or committee

Culminating Experience (0-6 credits)

- Select one (1) culminating experience:
 - Portfolio (0 credits)
 - AMT 593 Applied Project (3 credits)
 - AMT 599 Thesis (6 credits)

***Courses are subject to change and are not typically offered every semester. See program website, graduate advising, or department with questions.*