

Graduate Certificate in Aviation Safety

The Aviation Safety Certificate is designed for students who are pursuing education related to aviation to gain an understanding of: the importance of system safety management in the entire life cycle of a system, knowing how to conduct a proper unbiased aviation related accident or incident investigation, how to run an aviation safety program with emphasis on SMS and how to apply occupational safety and health regulations to an aviation venue. The certificate would be of great use for airline operators, airport directors, business managers, project engineers, industry planners, manufacturers, policy and law advisers, consultants, and others involved in managing day-to-day processes within the aviation industry.

Note: Certificate programs are not eligible for Title IV Federal Financial Aid unless taken as part of a degree program.

Aviation Safety

Certificate

MSAS 611	Aviation/Aerospace System Safety	3
MSAS 615	Aviation/Aerospace Accident Investigation and Analysis	3
MSAS 621	Aviation/Aerospace Safety Program Management	3
MSAS 612	Aviation/Aerospace Industrial Safety Management	3
Total Credits		12

Estimated Cost of Attendance

Students will:

- Employ sound management and systems engineering skills to analyze the integration of safety skills and resources into all phases of a system's life-cycle.
- Assess all the aspects of the aircraft accident investigation process.
- Use essential skills and methodology needed to plan and manage an effective aviation safety program under SMS guidelines.
- Apply and evaluate occupational safety and health regulations in the aviation work environment.