

Graduate Certificate in Aviation Cybersecurity (Asia-focus)

Aviation Cyber Policy and Law

This course is one of four cybersecurity courses required for the Aviation Cybersecurity Graduate Certificate. This 3-day, 24-hour course is designed with a particular emphasis on the Asia-Pacific Region.

Upon completion of this course, students should be aware of the role of cybersecurity in cyberspace, particularly as it affects aviation, aerospace, and aeronautics. Although it is common to explain activities and issues in cyberspace by way of comparison or analogy with the physical world, it is imperative that students see cyberspace as a world unto itself, in an environment that is more than a "virtual copy of the real world." To that end, the course explores crime, information security, international law, cyber warfare, and other aspects of human life in a virtual world.

Learning Objectives

Upon course completion, trainees will be able to:

- Compare and contrast physical space and cyberspace in terms of policy, law, society, rights, and security, with particular emphasis on the aviation industry.
- Articulate the role of national and international laws in cyberspace, as well as cyber laws affecting aviation.
- Examine the rights of users in cyberspace, including freedom of expression, privacy, and anonymity.
- Analyze the cybersecurity policies of the U.S. and international bodies, the protection of critical infrastructures, and the cyber safety of aviation.
- Produce a set of recommendations to better secure aviation industrial sector from threats – and opportunities -- in cyberspace.

Course Contents

- Applicable Laws and Policies
- Introduction to the Court system
- The Use of force and the Right to Self-Defense
- Interpretation and Enforcement of Treaties and other International Agreements
- Cyber Law and Related Activity
- Terrorism and Global Crime
- Humanitarian Law
- Natural Disasters

Who Should Attend

- Students about to enter, or recently entered the aerospace workforce
- Aerospace professionals in an operations or management role (airport, airline, air navigation, MRO, legal, etc.)
- Government officials in the aerospace industry
- Other professionals interested in the Aviation Cybersecurity landscape in Asia-Pacific

Training Method

- Face-to-Face instructions in classroom or using Virtual Reality, or online synchronous
- Supported by practical case studies
- OJT may be provided if coordinated with airport authority.

General Information

Duration: 3 days or 24 hours

Venue: Local or Virtual Classroom

Participants: Maximum 25

Prerequisites:

- Familiarity with IT word-processing and presentation software
- Basic knowledge of aviation industry