



Course Description

AVM1440 | Aviation - Airport Security | 3.00 credits

This course will provide the student with knowledge of the issues and strategies that are used to protect the national airspace system, airports and airlines from security threats. The various types of threats and responses to those threats will be covered. In addition, the legal requirements, planning issues, physical equipment and facility requirements and personnel issues will also be discussed.

Course Competencies:

Competency 1: The student will demonstrate knowledge and understanding of aviation/airport security by:

1. Summarizing the historical development of the security threat to civil aviation
2. Discussing the importance of aviation security, including the need for federal regulations
3. Listing the types of threats that can be encountered in civil aviation
4. Describing the laws and regulations about aviation security, such as the Aviation Safety and security act of 2001, and federal aviation regulations parts 108 and 109
5. Breaking down the components of a layered aviation security system
6. Pointing out the various government agencies responsible for aviation security
7. Analyzing the need for planning for all possible security threats, including contingency plans and responsive measures
8. Categorizing specific factors of ground security threats and their respective procedures
9. Recalling possible airborne threats and the procedures to deal with them
10. Introducing the technologies used in aviation security, as well as effective screening techniques
11. Discussing personnel selection, training, and methods for maintaining appropriate job performance for security personnel

Competency 2: The student will analyze and interpret the assigned aviation/airport security text from a variety of perspectives, including those by:

1. Surveying the passengers
2. Evaluating the flight crew
3. Reviewing the ground crew
4. Clarifying and understanding the airline (the company)
5. Applying airport management (the government)

Competency 3: The student will produce reasoned, critical responses to common concerns in aviation/ airport security by:

1. Analyzing and explaining the duties and responsibilities of the various positions in a layered aviation security system
2. Describing and listing the various federal aviation regulations governing the various positions in a layered aviation security system
3. Presenting and discussing various technological advances and their impact on aviation-airport Security
4. Describing the procedures to be followed for each of the following occurrences: bomb threat, bombing, hijacking, crew security problems, and disruptive passengers
5. Defining the role of each of the following: The Department of Transportation, the Transportation Security Administration, the Federal Aviation Administration, and the Department of Defense

Learning Outcomes

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information