



A SOLID FOUNDATION IN AVIATION CYBERSECURITY

This four-course certificate program provides students with an understanding of the key elements of cybersecurity, the Internet of Things (IoT), and aviation cybersecurity. Learn the history, core principles, threats and attacks, defensive strategies, regulations and guidelines, and real-world examples. The Aviation Cybersecurity certificate focuses on defining the operational issues involved in preventing and mitigating cybersecurity threats in the aviation domain. The program begins with overview courses examining cybersecurity and IoT, then provides practical application of these concepts to the aviation industry.

- /// Core principles of cybersecurity threats, attacks, and defense
- /// Functions, characteristics, and cybersecurity vulnerabilities of IoT
- /// Cybersecurity principles as they relate to aviation
- /// Functions, characteristics, and cybersecurity vulnerabilities of Aviation IoT
- /// Specific cybersecurity threats and attacks against the aviation domain
- /// Application of the principles of cybersecurity defense to the aviation domain
- /// Appropriate professional communication skills

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