
Professional Certificate Course E09-E

Course Name Building Climate Resilient Airports: Airport's Perception of Risk Mitigation and Adaptation

Delivery *Virtual Class / Online* 4 days (3 hours per day)
Onsite / Classroom 5 days (8 hours per day)

About the Course

This course examines an airports relationship with the environment - how airports impact their environment and how the environment impacts them. Mitigation measures enable organisations reduce their impact on the environment, while adaptation measures reduce the impact of climate change or natural disasters on the airport. This course introduces the difference between mitigation and adaptation and the benefits of adopting the respective measures. It then delves into each concept highlighting its value proposition, approach, and case studies. For climate adaptation, the course highlights technical concepts like risk assessment, impact assessment (operations and assets) and climate resilient planning. It will emphasize on the importance of disaster response plans. While for mitigation, it introduces the various environmental and social material issues with industry best practices and case studies. Mitigation has also been addressed in-depth in the course 'Airport Sustainability Strategy, ESG and Finance'.

This comprehensive exploration empowers participants to adeptly navigate climate challenges and foster effective adaptation and mitigation strategies, ensuring airports maintain business continuity during extreme weather events and their social license to operate in the future.

Learning Objectives

Upon completion of this course, participants will be able to:

- Discuss the core principles of climate resilience as applied to airport infrastructure.
- Familiarise themselves with relevant guidelines and reporting standards; specifically, standards relevant for obtaining finance.
- Explain the advantages of integrating adaptation and mitigation measures in airport planning, including benefits generated in terms of sustainability, operational efficiency and business continuity.
- Develop an understanding of risk perception and adaptation measures tailored to the unique challenges faced by airports. Understand how to draft a climate adaptation pathway, prioritize measures and conduct a cost-benefit analysis.
- Understand the breadth of mitigation measures for airports for all the relevant environmental material issues. Gain insights into the airport's transition toward achieving net-zero emissions and the associated challenges and opportunities.

Target Audience

- Airport Environmental & Sustainability Managers/Executives
- Airport Risk & Strategy Managers/Executives
- Airport Engineering & Maintenance Managers/Executives
- Airport Planners

Course Structure – In person Class

Day 1	Day 2	Day 3	Day 4	Day 5
Introduction to Climate impact on airports, mitigation and adaptation. Overview of reporting standards and guidelines.	Deep dive on Climate Adaptation, its advantages, step-by-step approach to drafting a climate adaptation pathway.	Overview of Environmental Sustainability. Introduction to mitigation measures, how to prioritize and strategies for implementation.	Climate adaptation and mitigation as a financial tool. Airports to build an overall strategy for both topics.	Airport Presentations
Outcome				
Establish a basic understanding of the topic	Understand climate adaptation and its relevance for your airport	Understand climate change mitigation and a way forward for your airport.	Workshop to build airport specific strategies	Mutual Learning

For more information or clarification, please contact ACI Africa at aci-africa@aci-africa.aero or visit www.aci-africa.aero