

ECATA

Aerospace Business Integration



POLITECNICO DI TORINO



Organisation

Duration : Run annually between January and April.

10 weeks out of the business (around 350 hours in total) organised into three intensive residential sessions.

Location: 3 European locations among the 7 ECATA universities

Session 2022: ETSIAE Madrid (Spain) – CRANFIELD University (UK) – ISAE-SUPAERO Toulouse (France)



Objectives

Develop the skills and experience required to lead a team/programme in an international/intercultural multi-partner aerospace environment

Gain a broadview of the aerospace industry environment including its markets, business models, strategies, regulations...

Develop the ability to understand how aerospace engineering fits into a wider business context

Develop skills in cultural awareness, team building and multicultural working.

Programme

Lectures and seminars are distributed over the 2 first sessions; on 3 main topics:

- International Aerospace Environment
- System Integration & Technologies
- Multinational Programme Management

Underpinned by an industry sponsored Team Project with high relevance to current business challenges. This forms the cornerstone of the course and spans the whole duration

Target

5 to 15 years' relevant business experience. Recognised as high potential and anticipated to attain senior leadership roles within an aerospace business

Prerequisite

Required English level B2 minimum

Project management experience: 5 years

Aerospace business experience: 5 ans

Education ways & means

Lectures delivered by professionals from both industry and academia,

Residential Seminars delivered by industry leading coaches / facilitators

1 -1 professional coaching

Interactive Workshops on key themes and topics

Industry visits

A project on highly topical issue for the aerospace industry

All supported by a blend of both face to face and digital learning



Lectures

International Aerospace Environment

- EASA Certification
- Strategic Management
- Military strategy & planning for the future
- EU Defence Spending Lobbying
- Business in Asia

System Integration & Technologies

- Industry 4.0
- Store Aeromechanical Integration
- Disruptive Aircraft Concept
- Electric Aircraft
- Drones and Autonomous flight etc.

Multinational Programme Management

- Engine product Support and Services
- Programme Management Trends in Aerospace
- Programme management case study
- Strategy / industrial ramp up etc.



Multinational Team Project

The MTP is proposed and supported by industry.

Through the exploration of a highly topical issue for the aerospace industry, the participants are driven to perform beyond their comfort zone in a demanding multicultural environment. The MTP is an innovative lab for training and experimenting new tools and capabilities for learning in industry. (AGILE methods, self organisation...).



Seminars

- Intercultural relationships
- Team building
- Leadership
- Personal coaching

Workshop - Visits

- Programme management trends in aerospace
- Finances workshop
- Agile workshop



ABI 2022 schedule

ETSIAE Madrid

17 January – 11 February 2022



CRANFIELD UNIVERSITY

28 February – 27 March 2022

ISAE-SUPAERO

19 April – 4 May 2022



FEES: 16 000 €

The fee covers all planned academic activities including seminars, visits, social events and training material. The fees do not include travel and lodging expenses



ACCOMMODATION

Blocks of rooms are booked by the host institutions in selected hotels to gather all participants in order to foster team building. Participants need to confirm before deadline given by the host.

APPLICATION DEADLINE: 15 September 2021

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