AIBT100 – Project Management
From the Advanced Master AIBT
(Artificial Intelligence and Business Transformation)

Highlights

- Digital transformation & tech oriented
- Wide vision included Systems engineering, Cybersecurity and risk management.
- Aerospace projects examples

Learning objectives

The aim of this course is to provide Project Management tools and processes:

- Know Project management principles
- Understand data governance issues
- Be more confident in your ability to pitch projects
- Define and implement a digital transformation roadmap
- Embark people on the transformation
- Manage the risks
- Understand how to deploy Systems Engineering and MBSE on projects
- Understand key business stakes & achieved Transformation
- Identify the different data science levers applied
- Experiment the impact of digitally supported process on procurement practices
- Explain the key principles of a successful business creation
- Implement the business model canvas
- Consider the specificity of AI in a business model
- Understand space sector program management

Prerequisites

Understanding of different stakeholders’ roles in a project.
Basic digital & tech transformation notions

Key elements

Period: September, October and March
Estimated duration: 60 hours
For whom: recent graduates, jobseekers and experienced employees
Location: ISAE-SUPAERO, Toulouse
Language: English

Information and registration
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Course content

- Project Management principles: Objectives, scope, OBS, WBS, planning, risk & control, Agile & V cycle
- Data governance
- 5 steps for a successful digital transformation journey
- Airbus digital transformation - focus on Procurement & Supply Chain
- Systems engineering (SE): principles, benefits and overview of the methods, including system architecture
- Model-Based Systems Engineering (MBSE): scope, added value for complex systems design and integration
- Transformation of ways of working of the Engineering teams
- Business digital transformation using automated costing
- Practical use case: digitally-supported negotiations
- Safran testimony on Agile@scale implementation
- Value Proposition & business model + AI canvas
- Project presentation & Pitch
- What is PMBok + Space Program Management
- Cybersecurity and risk management

Teaching methods

Classes and seminars

Assessment

Individual assessment (30 %): final quiz + study case
Group presentation + report (70 %)