# AIBT100 – Project Management and Digital Transformation

From the Advanced Master AIBT

(Artificial Intelligence and Business Transformation)

## Key elements

Period: **Early October to Early November**

Estimated duration:
**37 hours**

For whom:
**recent graduates, jobseekers and experienced employees**

Location:
**ISAE-SUPAERO, Toulouse**

Language: **English**

## Highlights

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

This module introduces the participants to project management tools and tips. They will have the opportunity to acquire knowledge concerning Project Management principles and methodologies as well as practical skills (negotiations, pitch, new ways of working….) and Project management examples in the aerospace sector.

## 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

## Information and registration

info.exed@isae-supaero.fr

# AIBT101 – Introduction to modern AI

From the Advanced Master AIBT

(Artificial Intelligence and Business Transformation)

## 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 %)