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

Key elements

Dates: September 26 to November 10, 2022
Duration: 60 hours (3x 4 days)
For whom: recent graduates, jobseekers and experienced employees
Location: ISAE-SUPAERO, Toulouse
Course fees: €4,000
Language: English

Highlights

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

Prerequisites

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

Practical information and registration

Jessica Alix - 05 61 33 83 91 – info.exed@isae-supraero.fr
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 %)