

# ADVANCED MASTER INNOVATION, ENTREPRENEURSHIP & MANAGEMENT

2024



# Free your creativity!

The ISAE-SUPAERO Innovation, Entrepreneurship & Management Advanced Master was created to meet the growing demand:

- of COMPANIES who want to instill new, more agile methods in the implementation of their projects and retain their talents by offering them the opportunity to free their creativity and manage technological and innovative projects within them through **INTRAPRENEURSHIP**.

- of WOMEN and MEN who want to develop an innovative personal project with the support and guidance of professionals, with the support of technological, human and digital resources with an **ENTREPRENEURIAL** approach.

## Goals



To develop **innovation** and entrepreneurial spirit by learning how to manage technological innovation projects, from original idea to market.

This program offers the opportunity to quickly, in a pragmatic way, acquire all the keys to undertake technological and innovative projects in **all sectors of activity**. To develop the use and experience of digital technology.

## An environment dedicated to innovation & entrepreneurship

**By joining the IEM Advanced Master and ISAE-SUPAERO, you benefit from an exceptional environment dedicated to innovation and entrepreneurship.**

### Innovation is in our DNA

This department aims to develop an entrepreneurial mindset and skills among students and staff, and to encourage the creation of companies by members of the Institute's community, particularly deep-tech startups in the Aeronautics, Space and Defense sector.

### A dedicated service

Within the Development and Innovation Department, the Innovation and Entrepreneurship department supports you:

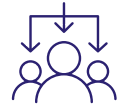
- By contributing to innovation training programs;
- By providing individualized support to entrepreneurial project leaders, from idea to prototyping;
- By organizing lectures by technical and professional experts;
- By fostering local networking with investors, partners, customers, beta testers, etc.

## Which jobs?



- Intrapreneur (Innovation Project Manager),
- Chief Technical Officer (CTO),
- Entrepreneur (Startuper),
- Project Manager (PM),
- Project Management Officer (PMO),
- Innovation Management Consultant,
- Innovation Finance Consultant,
- Business Developer,
- Innovation Marketing Consultant, etc.

## Who is it for?



- *Experienced professionals*
- *Master's degree's young graduates (or equivalent) graduates (engineers, Business School graduates, graduates of scientific or non-scientific universities)*

### InnovSpace,

#### ISAE-SUPAERO's Fablab and incubator

Fully dedicated to innovation, InnovSpace is the place where an idea is transformed into a concrete project. Equipped with a fleet of digital and mechanical machine tools, it brings together different workshops – 3D printing/3D design/electronics/wood, enabling skills development and prototyping.

This place of creativity is also a pre-incubation hub for ISAE-SUPAERO startups.

Currently, 2 startups created by IEM Advanced Master graduates are hosted there and supported by the Innovation department within InnovSpace.



# Program



## Customized support throughout the course

### Semester 1 (6 months)

#### 3 fundamental themes

- **Technology and creativity themes:** creating an innovative idea, transforming technological knowledge into an idea, testing, prototyping. Integrating different technologies, determining opportunities, dealing with techniques.
- **Project management:** planning, studying and managing risks, managing resources, coordinating.
- **Entrepreneurship and intrapreneurship:** promoting new technologies as a lever for company growth and creating a company, analyzing the market, understanding profitability, marketing.



**INNOVATIVE TECHNOLOGIES  
+ CREATIVITY**

100 hours

**Bringing an innovative  
idea to life**



**PROJECT MANAGEMENT  
+ SOFT SKILLS**

150 hours

**Leading an innovation  
project**



**ENTREPRENEURSHIP  
+ INTRAPRENEURSHIP**

100 hours

**From innovative  
project to company**

**Innovative Exploratory Project  
Developing Leadership**

#### Examples of Innovative Exploratory Projects:

**Elda** – 3D snow cover mapping to optimize artificial snow production in ski resorts

**Virno** – vine protection system against hail

**«Le Dirigeable»** – airships in the service of forest fire detection

**My shell** – customizable folding bike helmet

**Hyara** – using the force of water in public sewers to produce electricity

### Semester 2 (4 à 6 months)

#### Professional thesis

Professional experience, immersion in a company or implementation of a personal corporate project. Possibility of initiating or continuing the startup project within Innovspace with support.

#### Examples of professional thesis:

Aeronautical Innovation Engineer at Starburst Aerospace, Digital Public Affairs Project Manager at SANOFI, Project Management as part of IS management at Naval Group, etc.

# Testimonial



After graduating as an engineer, my main objective was to gain both technical and managerial skills – in order to have a resume that stands out from the crowd, but also to be able to think more broadly about the projects I was going to undertake. My initial technical training gave me the knowledge to understand new technologies, but I was missing the tools to find a relevant business model, convince, market an innovation, budget and find the levers for financing, lead a project from A to Z, etc  
**«With the IEM Advanced Master® degree, on the one hand, I have obtained the dual competence**

**I was looking for, and on the other hand, I have benefited from ISAE-SUPAERO's influence and significant reputation on the job market.»**



**ALEXANDRE LEMAITRE**  
Graduate, class of 2020, Finance and Innovation Management Consultant at FI Group

In our transitional environment, if you want to have an impact by enabling the emergence of more virtuous innovations or new practices more closely related to the speed of current changes, you will find in the IEM Advanced Master the theoretical and practical foundations to understand the levers of action in the company – whether it is the company you are employed by or your own start-up. The quality of the teaching, the ability of the speakers to challenge you and the study environment (fablab, start-up incubator, entrepreneurial coaching, creativity-encouraging

atmosphere) will give you the opportunity to express your personality and your convictions during the course and in particular during your Innovative Exploratory Project.»



**CHRISY-SOLÈNE RAHARISON**  
Graduate, class of 2021 Business Development and Strategy Officer

I came from an electronics course and I wanted to complete my training with a year to develop my cross-functional skills in project management, as well as my knowledge of innovation. Indeed, I was dreaming of setting up my own company one day, and having the opportunity to take courses in finance, marketing, or even the “art of pitching” allowed me to learn a little more about topics never discussed in an engineering school. This Advanced Master's degree has many strengths. The ideation courses allow you to learn about other ways of thinking. The same openness also goes through the many innovation courses, which allow us to discover a wide variety of technologies or inventions. **«The main advantage of the program is the IEP (Innovative Exploratory Project), a startup**

**creation work that follows us throughout the training. It allows us to confront ourselves with the experience of business creation.»**



**ANNE-ALICE FAURE**  
Graduate, class of 2021 – Co-founder of the startup Snapaccess

ISAE-SUPAERO - 10, avenue E. Belin, BP 54032  
31055 Toulouse CEDEX 4 - France  
33 (0)5 61 33 80 80  
[www.isae-supaero.fr/en](http://www.isae-supaero.fr/en)

**How to apply :**  
<https://candidatures.isae.fr/>



**Young graduates :**  
**Caroline ARMANGE** - Phone: + 33 (5) 61 33 80 25  
[info-programmes@isae-supaero.fr](mailto:info-programmes@isae-supaero.fr)  
**Experienced professionals :**  
**Jessica ALIX** - Phone: +33 (5) 61 33 83 91  
[info.exed@isae-supaero.fr](mailto:info.exed@isae-supaero.fr)



Photo credits : Aude Lemarchand, Olivier Panier des Touches  
Graphic design : ISAE-SUPAERO  
Non-contractual document : septembre 2023