ADVANCED MASTER®
ARTIFICIAL INTELLIGENCE
& BUSINESS TRANSFORMATION
(MS AIBT)

2024

ISAE SUPAERO
Institut Supérieur de l'Aéronautique et de l'Espace

In partnership with:

IRT SAINT EXUPÉRY

tbs EDUCATION

Excellence with passion

Professionally-oriented training for apprentices, professionals, and students.

Objective

Training engineers and managers capable of transforming the company through AI.

Job prospect

- *Project Manager in Artificial Intelligence and Data Sciences*
- *Head of corporate transformation through data*
- *Head of Data Value creation / Data Evangelist*
- *Senior Data scientist*

Skills

- *Manage large data flows*
- *Use machine/deep learning techniques*
- *Monetize a product based on AI*

Program flow

September to June

An alternating rhythm to acquire operational skills: on average three weeks per month in a professional situation and one week in class on the ISAE-SUPAERO or TBS Education campuses in Toulouse area.

Professionnals

- *Continuation of professional activity with an alternating rythm*
- *Work-study internship*
- *Fixed-term and open-ended work-study contracts*

Students

- *Work-study internship or contract*
- *Fixed-term and open-ended work-study contracts*

Program

The Advanced Masters® degree in Artificial Intelligence & Business Transformation is an ISAE-SUPAERO diploma accredited by the «Conférence des Grandes Ecoles» (French top-engineering and management schools).

MS | MASTÈRE SPÉCIALISÉ

Training designed with the support of: AIRBUS, AIRBUS PROTECT, CERFACS, COLLINS AEROSPACE, CONTINENTAL, DASSAULT AVIATION, ESI GROUP, GOOGLE, IBM, MBDA, STELIA, THALES ALENIA SPACE.

Teaching

The training is entirely conducted in English 🇬🇧

- *Links between technique and business*

Development of concrete use-cases

- *Discovery of broad-ranging fields of application*

- *Interactive teaching and practical work (projects)*

Project management (≈60 h)

Project and program management:

Agile & waterfall methodologies, scheduling, PMBok, Value Proposition & business model, Pitch.

Digital and systems engineering:

Data governance, Digital Transformation, New ways of working, Cybersecurity and risk management, Model-Based Systems Engineering.

Artificial Intelligence Internals (≈170 h)

AI technical skills ramp-up:

Data Integration and Exploration, Big Data Processing, Optimization topics for AI, Machine Learning and Data Analytics, Sequential Decision Making in AI, AI certification, robustness and dependability.

Business Aspects of Artificial Intelligence (≈120 h)

Corporate transformation by and for AI:

Introduction to modern AI, The business of data, Data Value Creation, Change management.

Pratical skills (≈70 h)

Common thread application project.

You are a professional? Discover other needs-oriented training formats

3 Certificates of Advanced Studies 90 hours each

- AI oriented business model design
- Data integration and processing for value creation
- Development & deployment of efficient AI technologies.

10 Training modules
30 hours each

- AI certification, robustness and dependability
- Big data processing
- Change management
- Data integration and exploration
- Data value creation
- Introduction to modern AI
- Machine learning & data analytics
- Optimization topics for AI
- Sequential decision making in AI
- The business of data

Funding

- *France Travail (French employment agency) and/or ForPro Sup (scheme of the Occitanie Region) for job seekers*
- *Employer: skills development plan, Training operating companies (OPCO), etc.*
- *Agefiph, for people with disabilities*
- *Bank loan / Personal financing*

APPLICATION CONDITIONS

ACADEMIC PROFILE

- Engineering or science graduates with:
- Master's degree or equivalent
- or Bachelor's degree and at least 3 years of professional experience

ADMISSIOE PROCEDURE

- Admission calendar and procedure:

- Educational fees:

- Online application and selection by a jury, based on application file

REQUIRED LEVEL OF ENGLISH PROFICIENCY

TOEFL (IBT)		TOEIC		IELTS		CAE/ FCE		Linguaskill 1
	ou		ou		ou		ou	
88 points		**785 points**		**6.5 points**		**170 points**		**170 points**

DO YOU NEED A PERSONAL ADVICE ?

YOU ARE A RECENT GRADUATE

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YOU ARE A PROFESSIONAL

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