

AI & Data training programs

FAQ

WHAT ARE THE TRAINING PROGRAMS OFFERED BY ISAE-SUPAERO?

Our AI & Data training solutions have been designed to meet your professional objectives and to adapt to your availability. Except if sanitary requirements, please note that all courses are on-site in Toulouse (France).

- **Advanced Master in Artificial Intelligence & Business Transformation** (AM AIBT, 10 months - €16,000).
 - This work/study program is scheduled with 1 week of courses in Toulouse and 3 weeks in company in average, from October to June. Compatible with apprenticeship (the company fully pays the tuition fees) and part-time rhythm (paid contract or internship).
 - It enables to get an Advanced Master degree (accredited by the French Conférence des Grandes) as well as the «Project Manager in Artificial Intelligence and Data Sciences» professional certification (RNCP 35609).
- Based upon the AM AIBT:
 - **4 Certificates of Advanced Studies** (84h - €5,000) in data integration & processing, development & deployment of AI technologies, project management and AI-oriented business models.
 - **10 short modules** (28h - €2,300): big data processing, Data value creation, Machine learning & data analytics, The business of data, Sequential decision making in AI...

WHO ARE THE LEARNERS INVOLVED IN THOSE PROGRAMS?

Learners' diversity is a strong asset and generates valuable exchanges during the training sessions.

- **Students**, mostly with apprentice status in Advanced Master AIBT
- **Experienced professionals** who can be working, seeking for a job or reskilling for career shift.
 - Professionals can attend the AM AIBT as a part-time training program combined with their current job or an internship/contract
 - They can also decide to join the AM AIBT learners only for a short module, to acquire specific knowledge or for a 3-module certificate. It enables to enhance skills on a theme to reach professional objectives (diversification, promotion...).

An IT or mathematics academic background - or at least a strong interest, projects and/or training activities - is required.

Most of the courses require Python coding skills. If you are admitted to one of these programs, we will send you online Python courses recommended by the Head of Program to prepare yourself before joining our Institute.

► *Have a look at learners' testimonials at the end of the FAQ !*

WHAT KIND OF JOB CAN I GET AFTER THE TRAINING?

ISAE-SUPAERO created the Advanced Master AIBT program along with TBS Education and IRT Saint Exupéry. This training program – and the certificates or short courses stemming from it - aims at enhancing **technical AI-related skills but also project management and business of data abilities**. The added value relies on combining « hands-on » technical aspects as well as overarching vision and strategic dimensions.

Consequently, **job opportunities depend on the learner's profile**: engineering students who want to become data scientists, Chief Digital Officers who want to monetize data, job seekers willing to turn into AI/Data Project Managers, developers willing to understand Machine learning algorithms...

Job examples: AI/Data Project Managers, Data analyst, Data scientist, Machine Learning specialist, Chief Data Officer, Head of Digital Transformation, Data Evangelist....

Those programs can also help you expand your skillset and increase your performance in your core business, if your job (maintenance, actuary, supply chain, marketing, accounting...) or/and industry (health, automotive, aeronautics, insurance, real estate...) is in the midst of a deep digital transformation.

HOW DO I APPLY? WHAT ARE THE SELECTION CRITERIA?

The application process depends on the training program:

- **Advanced Master:**

- Online application from October to June on our dedicated platform.
- No exams nor interviews: selection based upon academic and professional records
- Documents to provide are detailed [here](#). Please pay specific attention to cover letter which should explain your professional objectives, letters of recommendation and English test (or at least registration document if results will come later) or company attestation (if English is daily used).
- Admission committees take place every month from January to July, decision will be available few days after the committee. If you are admitted, online registration will enable to guarantee your place (if you are not an apprentice, a deposit of €1,000 on tuition fees will be asked)

- **Certificates and short modules:**

- Registration form can be downloaded from our website, and we also kindly ask you to send us a CV and ID at least 1 month before the beginning of classes.
- Pre-requisites will be checked by the Head of Program (who may call you to talk about your objectives) and the program coordinator will confirm logistics aspects.
- If you plan to use company - or public financing schemes for certificates like CPF (Personal Training Account) or Transitions Pro - please anticipate and apply up to 3 months before courses.

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WILL YOU HELP ME TO FIND A APPRENTICESHIP / INTERNSHIP / CONTRACT?

Employability and professional integration are essentials for us. Our Institute supports and facilitates your actions to get an apprenticeship contract, an internship or a contract during your training program (concerning AM AIBT) but also to find a job after graduating or getting your certificate / short module completion attestation.

Examples of support initiatives:

- **Access to ISAE-SUPAERO Job Teaser website:** exclusive offers, internships missions and contacts of the last 5 years, job seeking advices, testimonials, job information...
- **Career Center Team support** to define your objectives, organize your job seeking and improve your tools (CV, cover letter, LinkedIn profile etc)
- **Thematic virtual fairs:** apprenticeship contracts, defence industry, aerospace...
- **Internships & job fairs in our campus** with more than 30 partner companies
- **Frequent networking events** with alumnis and other learners in our campus
- ...

▶ *Apprentice peak recrutement period is from April to mid-June. We recommend you anticipate your application to take advantage of recruitment events and virtual fairs.*

WHAT DO LEARNERS THINK ABOUT THE ADVANCED MASTER AIBT?

The AM AIBT was launched in 2021/2022 academic year. First promotion has reunited 14 learners (students as well as experienced professionals) : let's discover their viewpoint!

- [Video: Mehdi, Noémie & Baptiste's testimonials](#)



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WHAT DO LEARNERS THINK ABOUT THE ADVANCED MASTER AIBT?

« During my engineering studies, I have decided to focus on data science. I have opted for a full year internship: 6 months in a research lab and 7 months as a data analyst in a start-up. Simultaneously, I have undertaken a data engineering online training program.

I decided to apply to the Advanced Master AIBT because I was very interested in the « hands-on » activities mentored by the IRT (Technological Research Institute) Saint Exupéry and because apprenticeship was the best option for me: I can put into practice the newly acquired knowledge and the tuition fees are fully paid by the company I work for.

I found my apprenticeship contract at Natixis (banking sector) during a virtual fair : they offer a lot of opportunities and usually consider apprenticeship as a pre-hiring stage. The job is in Paris but the Advanced Master's rhythm (3 weeks per month in the company, in average) enable to work and study in 2 different cities. I also learn a lot during my working periods: projects industrialization, AI deployments, or even daily use of in-demand data science tools like Spark and Hadoop. »



Noémie, apprentice (AIBT Advanced Master 2021/2022)

« I spent more than 10 years working in aeronautical mechanics and structures calculation. In 2019, I decided to take a skills assessment which revealed that AI and data were beneficial dimensions for my career path.

There were numerous training programs and it was hard to identify the most suitable for me. The AIBT Advanced Master program has been officially authorized to prepare for the professional certification « Project Manager in Artificial Intelligence and Data science » (in addition to the Advanced Master diploma) which attests its quality and this was a criteria for me. It also helped with funding as the professional certification enables to access French reskilling public schemes like Transition Pros. I have chosen to do a part-time internship (combined with the courses) in a data company in Toulouse working for sustainable tourism actors and institutions.

ISAE-SUPAERO is a world-class Institute whose reputation and networks (alumni, companies...) generate many opportunities. The training program is the perfect mix between technical and business functions and offers a wide and different vision to trigger innovation, data value creation and transformation perspective.

Mathieu, experienced professional (AIBT Advanced Master 2021/2022)

