

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 - €17,000).
 - This work/study program is scheduled with 1 week of courses in Toulouse and 3 weeks in company on average, from September to June. Compatible with apprenticeship and “contrat de professionnalisation” (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. IT programming is a required skill and especially basic to advanced knowledge in Python. 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 and reinforcement courses after September intake.

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

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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 skill set 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 no 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 (holidays excluded) 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:

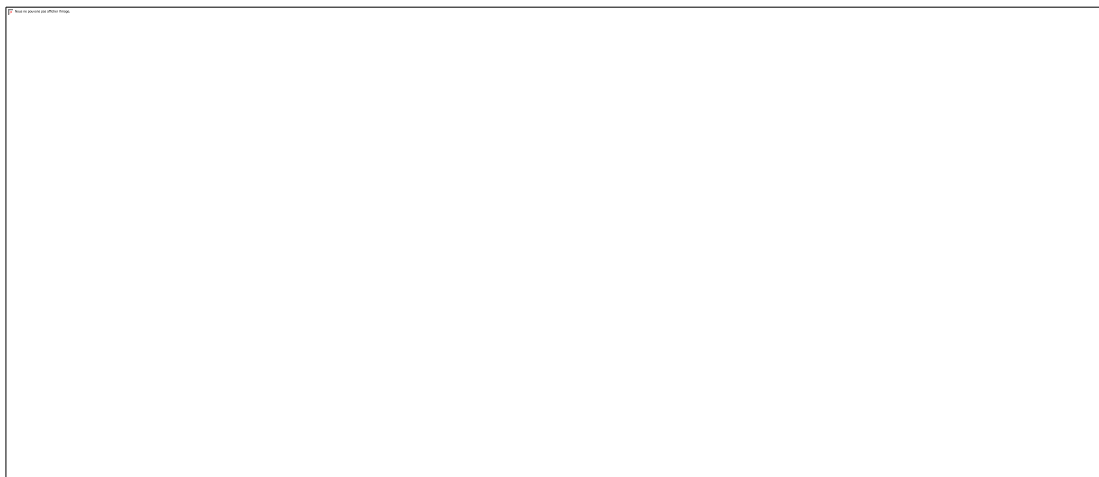
- **Access to ISAE-SUPAERO Job Teaser website:** exclusive offers, internships missions and contacts of the last 5 years, job seeking advices, testimonials, job information...
- **Career Center Team support** to define your objectives, organize your job seeking and improve your tools (CV, cover letter, 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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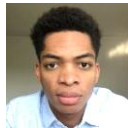
WHAT DO LEARNERS THINK ABOUT THE ADVANCED MASTER AIBT?

« I am currently enrolled in the AM AIBT as an apprentice, working in Crédit Agricole Sud Méditerranée (French bank). My professional mission is to bring value to the Marketing departement thanks to data.

After my Master in engineering (with mechanical major) I wanted to keep on studying in order to enhance my IT skills which are strategic in the corporate world and particularly in the industry. This AM organization – 1 year with work & study rhythm and very specialized in AI topics – has attracted me. Indeed, AI includes a strong technical expertise, intellectual challenge and numerous job opportunities.

The AM AIBT is one of the few AI Advanced Master offered in apprenticeship. This dimension was very important for me because after 5 years studying I wanted to work and because it enables to have tuition fees fully paid by the company.

The program content is aligned with my expectations: we benefit from a global vision from pre-processing to model implementation as well as cross-functional skills like project management, data management or business model knowledge. The recruitment team guidance has helped me to build my professional project and to feel confident about ISAE-SUPAERO support while looking for my apprenticeship contract. »



Pascal, apprentice (AIBT Advanced Master 2022/2023)

« After data analysis studies, I have been working for 10 years now: in aeronautics, telecommunications and now in the health sector for more than 5 years. I work in Toulouse Cancer Institute – involved in treatments, teaching and research activities - within the Data department.

I was looking for a part-time program to improve my knowledge in AI and data in order to put it into practice in my current tasks. ISAE-SUPAERO is an engineering school with a strong presence in the aerospace industry but the training is very adapted to other sectors like mine. I deeply appreciate that courses are professionally-oriented, based upon case studies, and that assessment is scheduled on a regular basis to check skills acquisition (instead of classic lectures and mid-term exams).

The AM AIBT requires a strong commitment to enhance technical skills (especially during Friday « hands-on sessions ») and a strong ability to learn and work. Courses are scheduled 1 week monthly in average, which is compatible with my job even if a specific organization is required as my professional activities does not really stop during courses! But courses organization and my employer's strong support build a favorable context to succeed in this program. »



Laëtitia, experienced professional (AIBT Advanced Master 2022/2023)