



MUST
UNIVERSITY
MAGHREB UNIVERSITY OF SCIENCE AND TECHNOLOGY

Bachelor's in Artificial Intelligence



*MUST University is accredited by the Ministry of Higher Education
& Scientific Research according to authorization N° 04-2022*



Admission Test
English & Math

Credits
180

Duration
3 Years

Prerequisite
National BAC or International Equivalent

Dual Diploma
Pathways

International
Exchange Program

Scholarship
Opportunities

Program Overview

The Bachelor's in Artificial Intelligence is a three-year program designed to prepare the next generation of AI professionals capable of developing intelligent systems and driving digital transformation across industries. Structured around a **Competency-Based Approach** and aligned with international academic and industry standards, the program combines rigorous scientific foundations, advanced computing skills, and hands-on professional experience.

Students develop the expertise to **design, deploy, and manage AI-powered solutions** in real-world environments, while critically addressing ethical, societal, economic, and regulatory challenges. The curriculum strategically builds strong competencies in machine learning and intelligent systems design, **data engineering** and **large-scale analytics**, cloud computing and **AI deployment** environments, and **responsible AI practices**, ensuring graduates are ready to innovate, adapt, and lead in a rapidly evolving global digital economy.

Program Objectives

Design, train, and deploy Machine Learning and AI models to address real-world challenges.

Develop intelligent applications using modern programming, data engineering tools, and scalable architectures.

Manage the complete AI lifecycle, from data preparation to deployment & monitoring.

Apply MLOps practices and cloud technologies to build secure and scalable solutions.

Evaluate the technical, economic, environmental & societal impact of AI systems.

Work effectively in multidisciplinary and international teams while applying ethical and responsible AI principles.

AI Job Market

According to international organizations such as the OECD and the World Economic Forum, AI and data-related jobs are expected to **grow by more than 30% by 2030**, driven by automation and intelligent systems adoption. Organizations increasingly require professionals capable of **combining software engineering, machine learning, and cloud deployment skills**.

Target Careers

-  AI / Machine Learning Developer
-  AI Application Developer
-  MLOps or AI Deployment Specialist
-  Data Scientist (Junior)
-  Intelligent Systems Engineer Data & AI Analyst
-  Digital Transformation & AI Consultant



These careers span sectors including :

**Banking
& Insurance**



Healthcare



Manufacturing



Services



Consulting



**Technology
startups**



Program Structure

Year 1 Scientific & Computing Foundations

- Calculus, Linear Algebra, & Discrete Mathematics
- Algorithms and Programming Fundamentals
- Computer Architecture & Operating Systems
 - Database Management Systems
- Academic Skills & Professional Foundations



Year 2 AI Fundamentals

- Probability & Statistics for AI
- Object-Oriented Programming & Software Engineering
- Computer Networks & Cloud Computing
- Software & AI Fundamentals & Neural Networks
- Data Governance, AI Law, Ethics,
- Entrepreneurship & Communication

Year 3 Advanced AI & Professional Integration

- Big Data Processing and Scalable Systems
- AI Application Development and MLOps
 - Generative AI and Robotics
 - Computer and Cloud Security
- Project Management & Entrepreneurship
- Capstone Project & Professional Internship



"Pre-registrations open for September 2026. Program submitted for Ministry authorization."



International Certifications

- Unlimited Access to 7,000+ Courses & 800+ Certifications
- Hands-on courses & certifications aligned with global market needs
- Flexible, self-paced learning complementing formal curriculum
- Guidance & mentoring from international faculty & experts at MUST

Integrated and Recommended Certifications

 Cloud-based AI deployment and model scalability.	 Design and implementation of enterprise AI solutions.	 Deep learning model development and optimization.	 Data pipelines & AI model deployment.	 GPU computing & advanced deep learning techniques.
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Academic Progression Opportunities at MUST University

- Master's in Data Science & AI with the option of a dual international diploma (1+1)
- Master's in Management & Innovation (dual diploma)
- Master's in Cybersecurity.

International Opportunities

- Participation in Erasmus+ mobility programs.
- Access to international dual-degree pathways.
- 3+1 or 3+2 transfer programs with international partner universities.
- Semester Abroad Programs (SAP) with international partners.
- Merit-based scholarship opportunities for top-performing students at partner institutions.

Partner universities in the USA & EUROPE



Why Choose MUST?

- 📖 **English Instruction – North American Model:** Courses delivered in English through a globally aligned curriculum balancing theory and practice.
- 📖 **Personalized Academic Support:** Coaching, mentoring, and one-on-one guidance to ensure student success.
- 📖 **Hands-On Learning:** Fully equipped physical and virtual labs, applied projects, and free professional certifications.
- 📖 **Career-Ready Graduates:** Professional internship and international certifications prepare students for immediate employability.
- 📖 **Innovative Analytics:** AI-based platform provides personalized support throughout the program.
- 📖 **Vibrant Student Life:** Close-knit, family-like environment encouraging creativity, clubs, associations, trips, and personal growth.

