



1º Ciclo | Licenciatura  
**Inteligência Artificial**

**Direction**

Jorge Manuel Pereira Duque

**Access Conditions**

**Number of Semesters**

6

**ECTS**

180

## About

The Bachelor's Degree in Artificial Intelligence is part of an innovative educational project, aligned with the current demands of the market and the growing demand for data scientists and AI specialists. It responds to the interests of prospective students and companies seeking to welcome highly qualified graduates in this field. Integrated into the mission of the Higher Education Institution, the program trains professionals prepared for the challenges of technological innovation, focusing on employability and the development of practical skills in Machine Learning, Deep Learning, natural language processing, and intelligent applications, promoting solid and immediate integration into the labor market.

## Course Plan

Course Structure  
1º Ano / General Path  
1st Semester Calculus I 6 ECTS | Computational Logic 6 ECTS | Exploratory Analysis and Data Preprocessing 6 ECTS | Introduction to Programming 6 ECTS | Linear Algebra and Analytical Geometry 6 ECTS | 2nd Semester Algorithms and Data Structures 6 ECTS | Calculus II 6 ECTS | Elements of Artificial Intelligence 6 ECTS | Probabilities and Statistics 6 ECTS | Programming for Data Science 6 ECTS | 2º Ano / General Path  
1st Semester Applied Statistics 6 ECTS | Artificial Intelligence 6 ECTS | Data Visualisation 6 ECTS | Database Programming 6 ECTS | Interaction with Large-Scale Models 6 ECTS | 2nd Semester Artificial Neural Networks 6 ECTS | Data Analysis 6 ECTS | Data Extraction and Transformation 6 ECTS | Machine Learning 6 ECTS | Technological Entrepreneurship 6 ECTS | 3º Ano / General Path  
1st Semester Data Science and Artificial Intelligence Laboratory 6 ECTS | Deep Learning 6 ECTS | Machine Learning 6 ECTS | Natural Language Processing 6 ECTS | Software Engineering 6 ECTS | 2nd Semester Cybersecurity and Blockchain 6 ECTS | Ethics, Privacy, Responsibility, and Trustworthiness in AI 6 ECTS | Final Project (Final Project/Internship) 12 ECTS | Traineeship (Final Project/Internship) 12 ECTS | Intelligent Robotics 6 ECTS |