

Bachelor in Artificial Intelligence

Year	Semester	Code	Course name	Tipology	ECTS	
First Year	Semester I	PHY103	Physics	A	6	
		MATH103	Linear Algebra	A	6	
		MATH101	Calculus I	A	6	
		FL101	Foreign Language I	D	3	
		INF101	Introduction to Computing Science	B	6	
	First Semester					27
	Semester II	MTH107	Probability and Statistics	A	6	
		MTH102	Calculus II	A	6	
		FL102	Foreign Language II	D	3	
		MTH106	Discrete Mathematics	A	6	
		INF102	Introduction to Programming	B	6	
		AI102	Introduction to Data Science	B	6	
	Second Semester					33
	Firs Year					60
Second Year	Semester I	INF201	Object Oriented Programming	B	6	
		MTH201	Numerical Methods for Engineering	C	6	
			<i>Non Technical Elective I</i>	D	6	
		AI101	Introduction to Artificial Intelligence	B	6	
		COM203	Database Management Systems	B	6	
	First Semester					30
	Semester II	INF205	Advanced Programming	B	6	
		INF203	Data Structures and Algorithms	B	6	
		MTH202	Statistical Modeling	C	6	
		COM202	Computer Architecture	C	6	
INF204		Web Programming	B	6		
Second Semester					30	
Second Year					60	
Third Year	Semester I	INF307	Optimization and Heuristic Algorithms	B	6	
		COM301	Computer Networks	C	6	
		INF301	Programming Languages Paradigms	B	6	
		AI201	Introduction to Machine Learning	B	6	
			<i>Technical Elective I</i>	B	6	
	First Semester					30
	Semester II	AI301	Applied Artificial Intelligence	B	6	
			<i>Technical Elective II</i>	B	6	
		AI392	Industrial Training	D	6	
			<i>Technical Elective III</i>	B	6	
AI309/AI391		Final Thesis/Comprehensive Exam	E	6		
Second Semester					30	
Third Year					60	
Total Study Program					180	

Code	Tecnical Elective Course Names	Tipology	ECTS
AI203	Introduction to Natural Language Processing	B	6
AI202	Introduction to Data Mining	B	6
AI302	Neural Networks and Deep Learning	B	6
AI303	Knowledge Representation and Reasoning	B	6
AI304	Multi-Agent Systems	B	6
AI305	Introduction to Computer Vision	B	6

Kodi	Non-Tecnical Elective Course Names	Tipology	ECTS
BUS261	Engineering Economics	D	6
BUS262	Business and Project Management	D	6
BUS263	Professional and Managerial Skills	D	6