

FACULTY OF INFORMATICS

- Bachelor's degree programme of INFORMATICS
- Bachelor's degree programme of ARTIFICIAL INTELLIGENCE

- Master's degree programme of ARTIFICIAL INTELLIGENCE
IN COMPUTER SCIENCE

BACHELOR DEGREE SUBJECTS

1st semester

Course code	Course title	ECTS Credits
P130B001	Mathematics 1	6
T120B196	Introduction to Studies of Informatics	9
P175B505	Computer Graphics	6
P175B118	Object-Oriented Programming 1	9
P175B157	Fundamentals of Object-Oriented Programming	6
S283B101	Application of Cognitive Neuroscience	3
P176B103	Artificial Intelligence Ecosystems	6

2nd semester

P190B101	Physics 1	6
P130B002	Mathematics 2	6
P175B100	The First Principles of Digital Logic	6
P175B123	Object-Oriented Programming 2	6

3rd semester

P160B003	Theory of Probability and Statistics	6
P175B014	Data Structures	6
P175B125	Computer Architecture	6
P170B008	Discrete Structures	6
H570B104	Academic and Technical Communication in English (Level	6

4th semester

P175B304	Operating Systems	6
P170B400	Design and Analysis of Computer Algorithms	6
P175B602	Databases	6
P175B314	Software Engineering	6
P175B146	System Simulation	6

5th semester

P170B115	Numerical Methods and Algorithms	6
P170B114	Fundamentals of Information Systems	6
T120B145	Computer Networks and Internet Technologies	6
P170B328	Concurrent Programming	6
T120B165	Web Application Design	6
T120B168	Interactive Web Technology	6
T120B182	Multimedia Development Elements	6

6th semester

P176B101	Introduction to Artificial Intelligence	6
T120B168	Interactive Web Technology	6
T120B166	Fundamentals of Computer Game Development	6

7th semester

T120B180	Development and Deployment of Network Based Services	6
T120B169	Fundamentals of App Development	6
P170B118	Physically Based Animation	6
P175B156	Programming with Smart Devices	6

**MASTER DEGREE
SUBJECTS**

1st semester

Course code	Course title	ECTS Credits
P170M104	Digital Image and Sound Processing	6
P170M109	Computational Intelligence and Decision	6
P176M010	Advanced Machine Learning	6
T120M337	Distributed Systems and Algorithms	6

2nd semester

P170M011	Image Processing and Computer Vision	6
P170M339	Optimization Techniques and Algorithms	6
T120M158	Information Technology Project Management	6
T120M156	Component Based Software System Design	6
P170M102	Algorithms of 3D animation	6

3rd semester

T120M159	Technologies for Mobile Devices	6
P170M105	Virtual Reality Modelling	6
T111M103	3D Visualization Methods	6