

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
T120B196	Introduction to Studies of Informatics	9
P175B505	Computer Graphics	6
P175B118	Object-Oriented Programming 1	9
P175B157	Fundamentals of Object-Oriented Programming	6

2nd semester

P175B100	The First Principles of Digital Logic	6
P175B123	Object-Oriented Programming 2	6

3rd semester

P175B014	Data Structures	6
P175B125	Computer Architecture	6
P170B008	Discrete Structures	6

4th semester

P175B304	Operating Systems	6
P170B400	Design and Analysis of Computer Algorithms	6
P175B602	Databases	6
P175B314	Software Engineering	6
P175B163	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
T120B190	Fundamentals of 3D Modelling	6
P176B104	Machine Learning Algorithms 1	6
P176B105	Cloud Computing for Artificial Intelligence	6

6th semester

P176B101	Introduction to Artificial Intelligence	6
T120B168	Interactive Web Technology	6
T120B188	Cloud Storage Technologies	6
T170B126	Information Systems Graphical User Interface	6
P176B106	Machine Learning Algorithms 2	6
P176B107	Deep Learning	6
P176B108	Speech Recognition Algorithms	6
T120B199	Artificial Intelligence for Gaming	6
T125B158	Robot Programming Technologies	6
T125B170	Intelligent Assistive Systems Technologies	6

7th semester

T120B180	Development and Deployment of Network Based Services	6
P175B156	Programming with Smart Devices	6
T120B192	Mobile Internet Systems	6
T120B194	Scripting Languages	6

**MASTER DEGREE
SUBJECTS**

1st semester

Course code	Course title	ECTS Credits
P170M104	Digital Image and Sound Processing	6
P170M109	Computational Intelligence and Decision Making	6
T120M337	Distributed Systems and Algorithms	6
P170M011	Image Processing and Computer Vision	6
P176M010	Advanced Machine Learning	6
T120M157	Cloud computing services	6

2nd semester

P170M339	Optimization Techniques and Algorithms	6
T120M156	Component Based Software System Design	6
P170M102	Approximation and Modelling of Behavior of 3D objects	6
P170M117	Generative Artificial Intelligence	6
P170M118	Explainable Artificial Intelligence	6

3rd semester

T120M159	Technologies for Mobile Devices	6
P170M105	Virtual Reality Modelling	6
T120M158	Information Technology Project Management	6