

FACULTY OF INFORMATICS

- Please try to choose the courses from the same semester, in order to avoid timetable clashed.
- The majority of your subjects (around 3) should be from your main faculty with which your university has an agreement.
- Bachelor level students are only allowed to choose Master level subjects after receiving a permission from the professor of that subject.

Bachelor courses

Autumn

Course code	Course title	ECTS Credits	Semester
T120B196	Introduction to Studies of Informatics	9	1
P175B505	Computer Graphics	6	1
P175B118	Object-Oriented Programming 1	9	1
P175B157	Fundamentals of Object-Oriented Programming	6	1
P175B014	Data Structures	6	3
P175B125	Computer Architecture	6	3
P170B008	Discrete Structures	6	3
P170B115	Numerical Methods and Algorithms	6	5
P170B114	Fundamentals of Information Systems	6	5
T120B145	Computer Networks and Internet Technologies	6	5
P170B328	Concurrent Programming	6	5
T120B165	Web Application Design	6	5
T120B168	Interactive Web Technology	6	5
T120B190	Fundamentals of 3D Modelling	6	5
P176B104	Machine Learning Algorithms 1	6	5
T120B180	Development and Deployment of Network Based Services	6	7
P175B156	Programming with Smart Devices	6	7
T120B192	Mobile Internet Systems	6	7
T120B194	Scripting Languages	6	7

Spring

Course code	Course title	ECTSCredits	Semester
P175B100	The First Principles of Digital Logic	6	2
P175B123	Object-Oriented Programming 2	6	2
P175B304	Operating Systems	6	4
P170B400	Design and Analysis of Computer Algorithms	6	4
P175B602	Databases	6	4
P175B314	Software Engineering	6	4
P175B163	System Simulation	6	4
P176B101	Introduction to Artificial Intelligence	6	6
T120B168	Interactive Web Technology	6	6
T120B188	Cloud Storage Technologies	6	6
T170B126	Information Systems Graphical User Interface	6	6

P176B106	Machine Learning Algorithms 2	6	6
P176B107	Deep Learning	6	6
T125B158	Robot Programming Technologies	6	6

Master courses

Autumn

Course code	Course title	ECTSCredits	Semester
P170M104	Digital Image and Sound Processing	6	1
P170M109	Computational Intelligence and Decision Making	6	1
T120M337	Distributed Systems and Algorithms	6	1
P170M011	Image Processing and Computer Vision	6	1
P176M010	Advanced Machine Learning	6	1
T120M157	Cloud computing services	6	1
T120M159	Technologies for Mobile Devices	6	3
P170M105	Virtual Reality Modelling	6	3
T120M158	Information Technology Project Management	6	3

Spring

Course code	Course title	ECTSCredits	Semester
P170M339	Optimization Techniques and Algorithms	6	2
T120M156	Component Based Software System Design	6	2
P170M102	Approximation and Modelling of Behavior of 3D objects	6	2
P170M117	Generative Artificial Intelligence	6	2
P170M118	Explainable Artificial Intelligence	6	2