

Field of study: Computer Science
 Profile of study: General academic
 degree studies: II
 Mode of study: Full-time programme
 For a year **2021/2022**

YEAR	SEMESTER	COURSES	Course details							
			Hours				Form of assessment	ECTS		
			Lectures	Tutorials / Seminars	Computer labs	Total				
I	1	Analysis of scientific texts			28	28	E	5		
	1	Artificial Intelligence	28		28	56	E	6		
	1	Algorithmic Techniques	28		28	56	E	5		
	1	Modelling and Simulation	28		28	56	Z	5		
	1	Advanced Programming Techniques			56	56	Z	6		
	1	Programming Web Services	28		28	56	Z	5		
	Semester 1 total:						308	p. ECTS:	32	
	2	Operations Research	28	28		56	E	5		
	2	Graph and Network Theory	28		28	56	E	5		
	2	Programming Paradigms and Languages	28		28	56	E	5		
	2	Database Systems			28	28	Z	3		
	2	Concurrent Programming	28		28	56	Z	5		
	2	Edition of scientific texts	8		28	36	Z	2		
	2	HS Classes 1	min 14			14	Z	2		
	2	Electives	min 28			28	Z/E	4		
	Semester 2 total:						Hours (min):	330	p. ECTS:	31
	II	3	Degree Project 1 and Preparation for MA			28	28	Z	7	
3		IT Projects Management	28		28	56	E	6		
3		Machine Learning	28		28	56	E	6		
3		Machine-Language Programming	28		28	56	E	6		
3		Electives	min 28			28	Z/E	4		
Semester 3 total:						Hours (min):	224	p. ECTS:	29	
4		Degree Project 2			28	28	Z	15		
4		Security of Network Environment	28		28	56	Z	5		
4		Application Servers	28		28	56	Z	5		
4		HS Classes 2	min 21			21	Z	3		
4	Electives	min 28			28	Z/E	4			
Semester 4 total:						Hours (min):	189	p. ECTS:	32	
TOTAL THROUGHOUT THE STUDIES:						Hours (min):	1051	p. ECTS:	124	

Study programme approved by the Council of the Faculty of Mathematics and Computer Science on 24.03.2021

Examples of classes from HS group: Dilemmas of the 21st Century, Psychology of Decision Making