

CURRICULUM

Code of the course according to ECTS

- **T** – type of course: **B** - “bachelor”, **M** - “master”;
- **CS** - “Computer systems and technologies”;
- **No** – sequence number of the subject;

Lectures (L), tutorials (Tut), labs (Lab) weekly; Exam (E), Continuous Assessment (CA); Semester Project (SP), Semester Assignment /course work/ (SA)

No	SUBJECT	Week load						Assessment				ECTS Code	ECTS credits
		L	Tut	Lab	Acad total	Self study	Total	E	CA	SP	SA		

SEMESTER I

1	Computer vision	2	0	1	3	5	8		1			MCS01	5
2	Internet programming	2	0	1	3	6	9	1			1	MCS02	5
3	Optional subject – List 1	2	0	1	3	4	7	1				MCS03	4
4	Optional subject – List 1	2	0	1	3	4	7	1				MCS04	4
5	Interface in natural language	2	0	1	3	5	8		1			MCS05	5
6	GRID technologies	2	0	1	3	5	8	1				MCS06	5
7	Project (selected from subjects №1-6)	0	0	0	0	3	3				1	MCS07	2
TOTAL		12	0	6	18	32	50	4	2	1	1		30

SEMESTER II

8	Meta-heuristics	2	0	1	3	5	8	1			1	MCS08	5
9	VLSI design	2	0	1	3	5	8	1				MCS09	5
10	Optional subject – List 2	2	0	1	3	4	7	1				MCS10	4
11	Optional subject – List 2	2	0	1	3	4	7	1				MCS11	4
12	UML object-oriented design	2	0	1	3	6	9		1			MCS12	5
13	Distributed embedded systems	2	0	1	3	5	8		1		1	MCS13	5
14	Project (selected from subjects №8-13)	0	0	0	0	3	3				1	MCS14	2
TOTAL		12	4	7	23	27	50	4	2		2		30

SEMESTER III

15	Diploma project	Defense of diploma project									MCS15	15
TOTAL												15

Lists of optional subjects

List 1 (ECTS 4)		
1	Distributed systems and computer communications	MCS3.1
2	Modern Java technologies	MCS3.2
3	Methods and devices for digital signal processing	MCS4.1
4	Methods and tools for e-business	MCS4.2

List 2 (ECTS 4)		
1	Algorithms in bioinformatics	MCS10.1
2	Combinatorial algorithms	MCS10.2
3	Learning and self-learning in programming	MCS11.1
4	Management of information systems	MCS11.2