



Semester 1 (winter)

No.	Course name	Lecture	Classes	Laboratory	Project	Other	Total	Exam	ECTS
1.	Protection of intellectual property	15					15		1
2.	Occupational safety and ergonomics	15					15		1
3.	Mathematics 1	30	30				60	1	5
4.	Elements of physics	15		15			30		2
5.	Fundamentals of electronics	30		15			45		3
6.	Introduction to computer science	30		15			45	1	4
7.	Fundamentals of programming 1	30		30			60		5
8.	Theory of logic systems	30	15	15			60	1	5
9.	Computer architecture 1	30		15			45		4
10.	Physical education 1		30				30		0

Semester 2 (summer)

No.	Course name	Lecture	Classes	Laboratory	Project	Other	Total	Exam	ECTS
1.	Mathematics 2	30	30				60	1	5
2.	Digital measurements	30		15			45		3
3.	Algorithms and data structures	30	30				60	1	5
4.	Fundamentals of programming 2	15		15	15		45		4
5.	Computer architecture 2	30			30		60	1	5
6.	Object-oriented programming 1	30		30	15		75		6
7.	Foreign language 1		30				30		2
8.	Physical education 2		30				30		0

Semester 3 (winter)

No.	Course name	Lecture	Classes	Laboratory	Project	Other	Total	Exam	ECTS
1.	Mathematics 3	30	30				60	1	5
2.	Object-oriented programming 2	30		30	15		75	1	6
3.	Microcontrollers programming 1	30		30			60		4
4.	Operating systems 1	30		30			60		4
5.	Databases	30		30			60		4
6.	Basics of the computer graphics 1	30		30			60	1	5
7.	Foreign language 2		30				30		2



Semester 4 (summer)

No.	Course name	Lecture	Classes	Laboratory	Project	Other	Total	Exam	ECTS
1.	Microcontrollers programming 2				15		15		1
2.	Operating systems 2	30		30			60	1	5
3.	Advanced database techniques	30		15	15		60		4
4.	Basics of the computer graphics 2				15		15		1
5.	Scripting languages	30		30			60		4
6.	Computer networks	30		30			60	1	5
7.	Dynamic systems	15		15			30		2
8.	Intelligent systems 1	30	15				45	1	4
9.	Foreign language 3		30				30		2

Semester 5 (winter)

No.	Course name	Lecture	Classes	Laboratory	Project	Other	Total	Exam	ECTS
1.	Computational methods	30		30			60		4
2.	Intelligent systems 2				30		30		2
3.	Concurrent programming	30		30			60		4
4.	Internet applications	30		15			45	1	4
5.	Software engineering 1	30		30			60	1	5
6.	Foreign language 4		30				30	1	3