

General Studies in Informatics	Subject code	60	I. semester	2. semester	3. semester	4. semester	5. semester	6. semester	7. semester	8. semester	Prerequisites
Calculus I		5	2 2 0 E 5								
Calculus II.		5		2 2 0 E 5							Calculus I.
Linear Algebra		5		2 2 0 m 5							Calculus I.
Probability theory and statistics		5			2 2 0 E 5						Calculus II.
Introduction to number theory		5	2 2 0 m 5								
Algorith design		3	2 0 0 m 3								
Foundations of electrical signals of hardware		4	2 2 0 E 4								
Modelling of transport processes		4		2 I I E 4							
Signals and systems		4				2 2 0 E 4					Calculus II.
Economics		3	2 0 0 E 3								
Construction management 2.		3					I I 0 E 3				
Construction management 3.		5						2 2 0 E 5			
Enterprise management		2							2 0 0 m 2		
Engineering practice in the EU I.		2				2 0 0 m 2					
Engineering management		5			2 2 0 E 5						
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Introduction to informatics		3	2 I 0 m 3								
Information visualisation		4		2 2 0 m 4							
Programming I.		2	I 2 0 m 2								
Programming II.		4		2 2 0 m 4							Programming I.
Programming III.		5			2 0 3 E 5						Programming II.
Software technology		5					2 0 2 m 5				Databasis I.
Visual and web programming I.		4		2 2 0 m 4							Programming I.
Visual and web programming II.		4				2 2 0 m 4					Databasis I.
Digital logic design		4	2 2 0 E 4								
Electronics		3		2 0 I E 3							Foundation of electrical signals of hardware
Measurement and data acquisition		5			2 0 2 E 5						Foundation of electrical signals of hardware
Technical system engineering		4				2 I 0 E 4					Measurement and data acquisition
Control engineering		5					2 0 2 E 5				Measurement and data acquisition
Computer Architecture I.		5			2 0 2 E 5						Digital logic design
Computer Architecture II.		4				2 0 I E 4					Computer architecture I.
Operating systems		5				2 2 0 E 5					Computer architecture I.
Computer networks I.		3				2 0 0 E 3					Computer architecture I.
Computer networks II.		5					2 3 0 E 5				Computer networks I.
Databases I.		5			2 0 2 E 5						Programming II.
Databases II.		4				2 2 0 m 4					Databases I.
Intelligent systems I.		3					2 0 0 m 3				Signals and systems
Intelligent systems II.		5						2 2 0 m 5			Intelligent systems I.
Foundations of information security		3						2 I 0 E 3			Computer networks II.
Integrated system		3							2 0 0 E 3		Technical system engineering
<b>Information technology of autonomouos systems - Specialisation- 28</b>											
Programmable logic control		5					2 0 2 E 5				Digital logical design
Robot technology I.		4					2 0 I m 4				Digital logical design
Robot technology II.		5						2 0 2 E 5			Robot technology I.
Product design		4						2 0 2 m 4			Information visualisation
Image and sound processing		5						2 0 2 E 5			Signals and systems
Digital control		5							2 0 2 E 5		Control Engineering
<b>Computer system administration - Specialisation- 28</b>											
Linux system administration		5					2 0 2 E 5				Computer networks I.
Assembly programming		4					2 0 I m 4				Computer architecture I.
Network and system management		5						2 0 2 E 5			Linux system administration
Computer networks III.		4						2 0 2 m 4			Computer networks II.
Logic programming		5						2 0 2 E 5			Programming III.
Internet technology		5							2 0 2 E 5		Computer networks II.
<b>Diploma thesis 15</b>											
Diploma thesis		15							0 0 16 s 15		
<b>Elective subjects 10</b>											
Elective subject		2							2 0 0 m 2		
Elective subject		2						2 0 0 m 2			
Elective subject		3						2 I 0 m 3			
Elective subject		3							2 I 0 m 3		
<b>Total analysys of full program 210</b>											
Number of Credits		29	29	30	30	32	30	30			
Number od Study Hours/week (all)		26	26	25	26	26	26	29			
Number of Study Hours/week (lectures)		15	14	12	16	15	14	10			
Number of Study Hours/week (practical lessons)		11	11	4	9	4	6	1			
Number of Study Hours/week (for project)		0	1	9	1	7	6	18			

<b>Total analysys of full program 210</b>											
Number of Credits		29	29	30	30	32	30	30			
Number od Study Hours/week (all)		26	26	25	26	26	26	29			
Number of Study Hours/week (lectures)		15	14	12	16	15	14	10			
Number of Study Hours/week (practical lessons)		11	11	4	9	4	6	1			
Number of Study Hours/week (for project)		0	1	9	1	7	6	18			