

Curriculum E (after 09.2018.)					Curriculum F (after 09.2023.)					
Course code	Course name	Hours /week	credits	semester	Equivalent?	Course code	Course name	Hours /week	credits	semester
NMXAN1EBNE	Mathematics I - Cacluls I	6	6	1	obtains both	NMXMA1EBNF	Basic mathematics	4	6	1
NMXAN2EBNE	Calculus II	6	6	2	yes	NMXAN1EBNF	Calculus I	4	4	2
NIXB1EBNE	Basics of Information Systems	3	4	1	only if both are done	NMXAN2EBNF	Calculus II	4	4	3
NMXDM1EBNE	Discrete Mathematics and Linear Algebra I	5	6	1		NMXIMAEBNF	Mathematical foundations of informatics	5	6	1
NMXDM2EBNE	Discrete Mathematics and Linear Algebra II	5	5	2	yes	NMXDM1EBNF	Discrete mathematics and linear algebra	4	4	2
NMXVS1EBNE	Probability Theory and Mathematical Statistics	4	5	4	yes	NMXVMSHBNF	Probability theory and mathematical statistics	4	5	4
					not appropriate	NBXTM1EBNF	Learning Methodology	3	6	1
KVXF1EBNE	Physics	3	5	2	yes	KTXF1EBNF	Physics	3	4	1
KVEV1EBNE	Electrical Engineering *	3	5	1	yes	NKXEA1EBNF	Electronics Basic	3	5	2
					not appropriate	NBXVP1EBNF	Business and project management	4	4	4
					not appropriate	NBXTPL1EBNF	Tutoring preparation and project documentation techniques	3	5	2
					not appropriate	NBXTU1EBNF	Tutoring	2	4	3
GGXKG1EBNE	Macroeconomics	2	2	1	not appropriate					
GGXKG2EBNE	Microeconomics	2	2	2	not appropriate					
GSXVG0EBNE	Enterprise Economics *	4	4	3	not appropriate					
GVXME1EBNE	Basics of Management	2	3	5	not appropriate					
GGXJA1EBNE	Public Administration and Law	2	3	6	not appropriate					
NNXIK1EBNE	Infocommunication Techniques	2	4	4	not appropriate					
NIXSF1EBNE	Software Design and Development I	6	6	1	obtains both	NSXPP1EBNF	Problemsolving using programming	4	6	6
NIXSF2EBNE	Software Design and Development II	6	6	2	yes	NSXSFAEBNF	Basics of Software Development	5	6	6
NSXHF1EBNE	Advanced Development Techniques	3	4	3	yes	NSXAA1EBNF	Algorithms and data structures *	5	5	5
NSXJW1EBNE	Web development in Java	2	3	3	not appropriate	NSXHSFEBNF	Advanced software development *	4	4	4
NIXAB0EBNE	Databases	4	5	3	yes	NKXAB1EBNF	Databases	4	5	2
NIXSG1EBNE	Software Technology and GUI Design	5	5	4	obtains both	NSXMP1EBNF	Mobile programming *	3	4	4
NIXSS1EBNE	Comprehensive Exam	0	0	3	yes	NSXST1EBNF	Software technology	2	4	4
NIXRE1EBNE	System Theory	3	5	3	yes	NBXSS1EBNF	Comprehensive Exam	0	0	4
NIELOEBNE	Electronics *	4	4	2	yes	NBXRE1EBNF	System theory			
NIXDR0EBNE	Digital Systems	4	5	3	yes	NKXEL1EBNF	Electronics	4	5	3
NIESA1EBNE	Introduction to Computer Architectures *	4	4	5	only if both are done	NKXDR1EBNF	Digital systems	4	4	3
NIXKA1EBNE	Advanced Computer Architectures I	2	2	6		NKXSA1EBNF	Introduction to Computer Architectures	3	4	5
NIXKA2EBNE	Advanced Computer Architectures II	2	2	7	yes	NKXKA1EBNF	Modern computer architectures	2	4	6
					not appropriate	NSXMI1EBNF	Artificial intelligence *	4	5	4
NIEOR1EBNE	Operating Systems *	5	5	3	yes	NKXOR1EBNF	Operating systems	5	5	4
NIXSH0EBNE	Computer Networks	4	4	2	yes	NKXSH1EBNF	Computer Networks	4	4	3
					not appropriate	NSXFSSEBNF	Full-stack development *	4	5	4
NIXIR0EBNE	Intelligent Systems	3	3	4	not appropriate					
NIXVI0EBNE	Enterprise Information Systems	4	4	5	not appropriate					
NIEIB0EBNE	IT Security *	4	4	4	yes	NBXIB1EBNF	IT security	4	5	5
NNPPR1EBNE	Project Work I	1	2	4	only if both are done	NDPPM1EBNF	Project work I.	3	4	5
NNPPR1EBNE	Project Work II.	1	2	5						
NNPPR1EBNE	Project Work III.	1	2	6	only if both are done	NDPPM2EBNF	Project work II.	4	4	6
NNPPR1EBNE	Project Work IV.	1	2	7						
NNDS1EBNE	Thesis I	0	6	6	only if both are done	NDDSD1EBNF	Thesis work	0	15	7
NNDS2EBNE	Thesis II	0	9	7						
	Mandatory elective specialization courses I *	10	12		yes		Mandatory elective specialization courses		12	
	Mandatory elective specialization courses II *	4	6		not appropriate					
	Electives free to choose ***	8	10		yes		Optional elective courses		10	
	Specialisation ³	24	30	4-7			Specialisation ³	20	25	4-7
Cloud Service Technologies and IT Security Specialization (C)						Cloud Service Technologies and IT Security Specialization (F)				
NIXHT1CBNE	Network Technologies I	3	4	4	not appropriate					
NIXVT1FBNE	Virtualised Storage Systems	3	4	4	not appropriate					
NIXFS1FBNE	Cloud Computing Services I	2	3	5	only if both are done	NKXFS1EBNF	Cloud Computing Services	4	5	5
NIEFS2FBNE	Cloud Computing Services II *	2	2	6						
NIXSH1CBNE	Security of Computer Networks and Clouds	4	5	6	yes	NKXSH1EBNF	Security of Computer Networks and Clouds	4	5	6
Information Security Subspecialization										
NIXIS1CBNE	Security of Information Systems and Services	4	5	5	yes	NBXIS1EBNF	Security of Information Systems and Services	4	5	6
NIEIB1CBNE	Institution Information Security *	6	7	7	not appropriate					
Computer Networks Subspecialization										
NIXHT2CBNE	Network Technologies II	4	5	5	yes	NKXHT1EBNF	Network Technologies	4	5	5
NIEVA1CBNE	Technologies of Virtualised Networks and Data Centers *	6	7	7	yes	NKXVA1EBNF	Technologies of Virtualised Networks and Data Centers	4	5	7