

| Curriculum E (after 09.2018.) | | | | | Curriculum F (after 09.2023.) | | | | | |
|--|---|-------|---------|----------|-------------------------------|--|---|-------|---------|----------|
| Course code | Course name | Hours | credits | semester | Equivalent? | Course code | Course name | Hours | credits | semester |
| | | /week | | | | | | /week | | |
| NMXAN1EBNE | Mathematics I - Caclus I | 6 | 6 | 1 | obtains both | NMXMA1EBNF | Basic mathematics | 4 | 6 | 1 |
| | | | | | | NMXAN1EBNF | Calculus I | 4 | 4 | 2 |
| NMXAN2EBNE | Calculus II | 6 | 6 | 2 | yes | NMXAN2EBNF | Calculus II | 4 | 4 | 3 |
| NIXB11EBNE | Basics of Information Systems | 3 | 4 | 1 | only if both are done | NMXIMAEBNF | Mathematical foundations of informatics | 5 | 6 | 1 |
| NMXDM1EBNE | Discrete Mathematics and Linear Algebra I | 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 |
| KVXF11EBNE | Physics | 3 | 5 | 2 | yes | KTXF11EBNF | Physics | 3 | 4 | 1 |
| KVEV11EBNE | Electrical Engineering * | 3 | 5 | 1 | yes | NKXE1EBNF | Electronics Basic | 3 | 5 | 2 |
| | | | | | not appropriate | NBXVP1EBNF | Business and project management | 4 | 4 | 4 |
| | | | | | not appropriate | NBXTPLEBNF | 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 | 1 |
| | | | | | | NSXSFAEBNF | Basics of Software Development | 5 | 6 | 2 |
| NIXSF2EBNE | Software Design and Development II | 6 | 6 | 2 | yes | NSXAA1EBNF | Algorithms and data structures * | 5 | 5 | 3 |
| NSXHF1EBNE | Advanced Development Techniques | 3 | 4 | 3 | yes | NSXHSFEBNF | Advanced software development * | 4 | 4 | 3 |
| NSXJW1EBNE | Web development in Java | 2 | 3 | 3 | not appropriate | | | | | |
| 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 | 5 |
| | | | | | | NSXST1EBNF | Software technology | 2 | 4 | 4 |
| NIXSS1EBNE | Comprehensive Exam | 0 | 0 | 3 | yes | NBXSS1EBNF | Comprehensive Exam | 0 | 0 | 4 |
| NIXRE1EBNE | System Theory | 3 | 5 | 3 | yes | NBXRE1EBNF | System theory | 3 | 4 | 4 |
| NIEELOEBNE | Electronics * | 4 | 4 | 2 | yes | NKXEL1EBNF | Electronics | 4 | 5 | 3 |
| NIXDR0EBNE | Digital Systems | 4 | 5 | 3 | yes | NKXDR1EBNF | Digital systems | 4 | 4 | 3 |
| NIESA1EBNE | Introduction to Computer Architectures * | 4 | 4 | 5 | only if both are done | NKXSA1EBNF | Introduction to Computer Architectures | 3 | 4 | 5 |
| NIXKA1EBNE | Advanced Computer Architectures I | 2 | 2 | 6 | | | | | | |
| NIXKA2EBNE | Advanced Computer Architectures II | 2 | 2 | 7 | yes | NKXKSAEBNF | 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-IV | 4 | 8 | 4-7 | yes | NDPPM1EBNF | Project work I. | 3 | 4 | 5 |
| | | | | | | NDPPM2EBNF | Project work II. | 4 | 4 | 6 |
| 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 | 5-7 |
| 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 | obtains both | 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 | | | | | | 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 | | | | | | 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 |