

**Study Plan of Bachelor's Study Programme**  
**ENGINEERING AND INFORMATICS**  
**Study Plan: Systems Engineering and Informatics**

Profile of the Study Programme  
 Form of Study:

professionally oriented  
 full-time, part-time

**1. term**

Abbreviation	Subject	Lectures	Seminars	Workshops	Tutorials	End	Credits
UIM/XAPS	Architecture of Computer Systems	2	0	1	12t	Credit, exam	4
UIM/XAL	Algebra	3	0	2	20t	Credit, exam	6
UIM/XALG	Algorithms	2	0	2	16t	Credit, exam	5
UIM/XPG	Computer Graphics	1	0	2	12t	Credit, exam	4
UIM/XTED	Making of Electronic Documentation	0	3	0	12t	Credit	4
UMM/XPPM	Process and Project Management	2	0	2	16t	Credit, exam	5

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**2. term**

Abbreviation	Subject	Lectures	Seminars	Workshops	Tutorials	End	Credits
UIM/XMA	Mathematical Analysis	3	0	2	20t	Credit, exam	6
UIM/XOSI	Operating Systems	2	0	2	16t	Credit, exam	5
UIM/XDS	Database Systems	1	0	2	12t	Credit, exam	4
UIM/XPC	Programming in C++	1	0	2	12t	Credit	4
UEK/XZEPE	Basics of Economics and Business Economics	2	0	1	12t	Credit, exam	4
USVP/XDPKI	Communication Skills for IT Specialists	0	2	0	8t	Credit	3
PKC/XPR1I	Practical Training 1	4 weeks				Credit	5

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**3. term**

Abbreviation	Subject	Lectures	Seminars	Workshops	Tutorials	End	Credits
UIM/XIS	Information Systems	2	0	2	16t	Credit, exam	5
UIM/XSSZD	Statistics and Statistical Data Processing	2	0	2	16t	Credit, exam	5
UIM/XUI	Artificial Intelligence	2	0	2	16t	Credit, exam	5
UIM/XWT	Web Technologies	2	0	2	16t	Credit, exam	5
UIM/XOP	Object Programming	1	0	2	12t	Credit	4
USVP/XUSVP	Introduction to Private and Public Law	3	0	0	12t	Exam	4

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**4. term**

Abbreviation	Subject	Lectures	Seminars	Workshops	Tutorials	End	Credits
UIM/XPS	Computer Networks	2	0	1	12t	Credit, exam	4
UIM/XOOAN	Object Oriented Analysis and Desing	1	0	2	12t	Credit, exam	4
UIM/XMAMR	Mathematical Decision Making Methods	2	0	2	16t	Credit, exam	5
USVP/XCJ	Foreign Language	0	4	0	16t	Credit, exam	5
PKC/XPR2I	Practical Training 2	4 weeks				Credit	5

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**5. term**

Abbreviation	Subject	Lectures	Seminars	Workshops	Tutorials	End	Credits
UIM/XSS	Social Networks	2	0	2	16t	Credit, exam	5
UIM/XMVS	Software Development Methodology	2	0	2	16t	Credit, exam	5
UIM/XSPIS	Administration and Operation of Information Systems	2	0	2	16t	Credit, exam	5
USVP/XOCJ	Professional Foreign Language	0	2	0	8t	Credit, exam	3
USVP/XESO	Ethics and Social Responsibility	1	0	1	8t	Credit	3
USVP/XSBPI	Bachelor Thesis Seminar	0	1	0	4t	Credit	2

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**6. term**

Abbreviation	Subject	Lectures	Seminars	Workshops	Tutorials	End	Credits
UIM/XBOD	ICT Security and Data Protection	2	0	2	16t	Credit, exam	5
USVP/XPIKS	Law of Information and Communication System	2	0	0	8t	Exam	3
USVP/XBP	Bachelor Thesis	0	2	0	8t	Credit	8
PKC/XPR3I	Practical Training 3	4 weeks				Credit	5

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Total credits for compulsory subjects

154

**Optional Subjects****6. term**

Abbreviation	Subject	Lectures	Seminars	Workshops	Tutorials	End	Credits
UIM/XCS	Cloud Systems	2	0	2	16t	Credit, exam	5
UIM/XTIOT	IoT Technologies	2	0	2	16t	Credit, exam	5