



Computer Science – first-cycle study programme, full-time studies

Department	Faculty of Informatics
Field of study	Computer Science
Level of studies	First-cycle study programme
Profile of studies	Practical
Form of studies	Full-time studies
Duration of studies	7 semesters
Degree	Bachelor of Engineering
ECTS	210
The total number of hours	2370
Length of apprenticeships	6 months (24 weeks)

No.	Course	Semester	ECTS
1	OSH and Ergonomics	1	1
2	Busines and Enterprise in Practise	1	3
3	Business Financing	1	3
4	Elements of Sociology and Social Communication	1	4
5	Basics of Logic and Set Theory	1	4





6	Basics of Mathematics	1	2
7	Computer Architecture I	1	3
8	Introduction to Computer Graphics	1	6
9	Theoretical Foundations of Informatics	1	4
10	Linear Algebra with Analytic Geometry	2	7
11	Mathematical Analysis I	2	6
12	Computer Architecture II	2	3
13	Operating systems	2	4
14	Physical Education	2-3	0
15	Intercultural Communication in English / English for the Humanities and Social Sciences/ English for Science and Engineering/ English for Business Negotiations	2-5	10
16	Business Plan	3	3
17	Mathematical Analysis II	3	8
18	Physics 1	3	4
19	Discreet Mathematics	3	3
20	Basics of Probabilistic Methods	3	3
21	C++ I	3	2
22	CCNA 1	3	3





23	Project	3-4	4
24	Physics II	4	2
25	Numerical Methods	4	2
26	Statistical Methods	4	3
27	Algorithms and Data Structures	4	4
28	C++ II	4	2
29	Introduction to Desktop Publishing	4	4
30	Introduction to Software Engineering	4	2
31	Specialty Classes	4-7	12
32	Professional and Ethical Responsibility of IT Professionals	5	2
33	Databases	5	7
34	Java I	5	3
35	Artificial Intelligence	5	7
36	Team Project	5	3
37	Basics of Electronics and Measuring	6	4
38	Java II	6	2
39	Computer Networks	6	3
40	Neural Networks	6	4





41	English in Computer Science	6	2
42	Diploma Workshop	6-7	13
43	Diploma Seminar	6-7	10
44	Monograph Course	6-7	6
45	Computer Archiving of Documents and Data	7	7
46	Apprenticeships	After 2, 4, 6 semester	16

