



## Computer Science – first-cycle study programme, part-time studies

<b>Department</b>	Faculty of Informatics
<b>Field of study</b>	Informatics
<b>Level of studies</b>	First-cycle study programme
<b>Profile of studies</b>	Practical
<b>Form of studies</b>	Part-time studies
<b>Duration of studies</b>	8 semesters
<b>Degree</b>	Licencjat, inżynier (Bachelor of Science, Bachelor of Engineering)
<b>ECTS</b>	240
<b>The total number of hours</b>	1440
<b>Length of apprenticeships</b>	6 months (24 weeks)

No.	Course	Semester	ECTS
1	OSH and Ergonomics	1	1
2	Business 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	English Classes	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	4-8	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	7	7
42	Diploma Workshop	7-8	13
43	Diploma Seminar	7-8	10
44	Monograph Course	7-8	6
45	Computer Archiving of Documents and Data	8	2
46	Apprenticeships	After 1/2, 3/4, 5/6 semester	16

