



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

Department	Faculty of Informatics
Field of study	Informatics
Level of studies	First-cycle study programme
Profile of studies	Practical
Form of studies	Full-time studies
Duration of studies	7 semesters
Degree	Licencjat, inżynier (Bachelor of Science, 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	Business and Enterprise in Practice	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	Wychowanie fizyczne	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	Podstawy metod probabilistycznych	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	Algorytmy i struktury danych	4	4
28	C++ II	4	2
29	Introduction to Desktop Publishing	4	4
30	Introduction to Software Engineering	4	2
31	Zajęcia specjalnościowe	4-7	12
32	Professional and Ethical Responsibility of IT Professionals	5	2
33	Databases	5	7
34	Programowanie Java I	5	3
35	Artificial Intelligence	5	7
36	Projekt zespołowy	5	3
37	Podstawy elektroniki i miernictwa	6	4
38	Programowanie Java II	6	2
39	Sieci komputerowe	6	3





40	Sieci neuronowe	6	4
41	Język angielski w informatyce	6	2
42	Pracownia dyplomowa	6-7	13
43	Seminarium dyplomowe	6-7	10
44	Wykład monograficzny	6-7	6
45	Archiwizacja komputerowa dokumentów i danych	7	7
46	Praktyki zawodowe	After 1/2, 3/4, 5/6 semester	16

