

Faculty of Mathematics and Information Sciences, Warsaw University of Technology
Undergraduate Program (B.Sc) in Computer Science 2006/2007

Semester 1

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Calculus 1	dr L. Zabielski	6	2	2	0	0	
2.	Linear Algebra with Geometry	dr T. Traczyk	6	2	2	0	0	E
3.	Introduction to Modern Mathematics	dr T. Traczyk	6	2	2	0	0	E
4.	Programming 1 (fundamentals, C)	dr R. Podraza	5	2	2	1	0	E
5.	Physics 1	dr L. J. Nowiński	4	2	1	1	0	
6.	Electronic Principles	mgr M. Pilarski	3	1	1	0	0	
7.	Physical Training		0	0	2	0	0	
Razem:			30	11	12	2	0	3
Suma godzin:					25			

Semester 2

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Calculus 2	dr L. Zabielski	6	2	2	0	0	E
2.	Discrete Mathematics 1	prof. dr hab. Z. Lonc	5	2	2	0	0	
3.	Programming 2 (object oriented, C++)	dr R. Podraza	6	2	0	2	0	
4.	Physics 2	dr L. J. Nowiński	5	2	1	0	0	E
5.	Introduction to Digital Systems	prof. nzw. dr hab. T. Adamski	4	2	1	1	0	
6.	Contemporary Philosophy	dr M. Maciejczak	2	0	2	0	0	
7.	Language		2	0	2	0	0	
8.	Physical Training		0	0	2	0	0	
Razem:			30	10	12	3	0	2
Suma godzin:					25			

Semester 3

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Discrete Mathematics 2	prof. dr hab. Z. Lonc	5	2	1	0	0	E
2.	Differential Equations	dr T. Świrszcz	5	2	2	0	0	E
3.	Algorithms & Data Structures	dr K. Bryś	5	2	2	0	0	E
4.	Programming 3 (advanced, Java)	mgr K. Kaczmarek	5	2	0	2	0	
5.	Internet Programming	dr M. Grzenda	3	1	0	2	0	
6.	Humanities - elective		2	0	2	0	0	
7.	Language		4	0	4	0	0	
8.	Physical Training		0	0	2	0	0	
Razem:			29	9	13	4	0	3
Suma godzin:					26			

Semester 4

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Probability	prof. dr hab. J. Wesołowski	5	2	2	0	0	E
2.	Numerical Methods	dr A. Smoktunowicz	5	2	1	0	1	E
3.	Operating Systems	dr hab. L. Opalski	4	2	0	1	0	
4.	Programming 4 (in graphical environment)	mgr K. Mossakowski	5	2	0	2	0	
5.	Mathematical Foundation of Engineering	prof. dr hab. S. Janeczko, prof. dr hab. A. Romanowska	4	2	2	0	0	
6.	Data Bases	dr M. Grzenda	4	1	0	2	0	
7.	Language		4	0	4	0	0	
8.	Physical Training		0	0	2	0	0	
Razem:			31	11	11	5	1	2
Suma godzin:					28			

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Semester 5

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
	Electives		7					E
1.	Mathematical Linguistic	dr W. Homenda	5	2	1	1	0	E
2.	Computer Statistics	dr P. Grzegorzewski	4	2	0	2	0	E
3.	Computer Networks	mgr J. Sobczyk	3	2	0	1	0	
4.	Software Engineering	mgr K. Kaczmarek	4	2	1	0	0	
5.	Project (individual)	dr W. Homenda	5	0	0	0	3	
6.	Language		2	0	2	0	0	
7.	Physical Training		0	0	2	0	0	
	Razem:		30	8	6	4	3	3
	Suma godzin:					21		

Semester 6

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
	Electives		8					E
1.	Artificial Intelligence Fundamentals	dr J. Arabas	4	2	0	0	1	
2.	Computer Graphics	dr P. Kotowski	5	2	0	2	0	E
3.	Software engineering	mgr K. Kaczmarek	4	0	0	3	0	
4.	Project (group)	dr W. Homenda	5	0	0	0	3	
5.	Techniques of Auto-presentation	dr L. J. Nowiński	2	0	2	0	0	
6.	Language		2	0	2	0	0	
7.	Physical Training		0	0	2	0	0	
	Razem:		30	4	6	5	4	2
	Suma godzin:					19		

Semester 7

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
	Elective		4					
1.	Diploma Seminar	dr F. Okulicka-Dłużewska	4	0	2	0	0	
	Bachelor Thesis		22	0	0	0	0	
	Razem:		30	0	2	0	0	0
	Suma godzin:					2		

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Electives

Winter Semester (3)

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Personnel Management	mgr I. Stawowa	2	0	2	0	0	E
2.	Effective Communication	mgr I. Stawowa	2	0	2	0	0	
Razem:			4	0	4	0	0	1
Suma godzin:					4			

Winter Semester (5)

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Parallel and Distributed Programming	dr L. Stapp	4	2	1	0	0	E
2.	Advanced Windows Programming	mgr K. Mossakowski	4	2	0	2	0	
3.	Data Security	mgr M. Skórzewska-Amberg	3	2	0	0	0	
4.	Assemblers	prof. nzw. dr hab. T. Adamski	3	2	0	1	0	
5.	Risk Theory	dr Z. Dudek	4	2	1	0	0	E
Razem:			18	10	2	3	0	2
Suma godzin:					15			

Summer Semester (6)

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Algebra for Computer Science	prof. dr hab. A. Romanowska	4	2	1	0	0	E
2.	Elements of Sampling Theory	prof. nzw. dr hab. P. Szablowski	4	2	1	0	0	E
3.	Oracle Database Administration	mgr R. Maczewski	4	2	0	0	2	E
4.	Introduction to TCP/IP networks	dr M. Kozłowski	3	1	0	2	0	
5.	UNIX – Programming and Admin.	dr M. Grzenda	3	1	0	1	0	
6.	Network Operating Systems	dr J. Oleniacz	3	1	0	3	0	
7.	Data Transmission	mgr M. Pilarski	3	2	0	1	0	
Razem:			24	11	2	7	2	3
Suma godzin:					22			

Winter Semester (7)

No	Course	Responsible / Lecturer	ECTS	Lc	E	L	P	Exam
1.	Data Mining	dr K. Bryś	4	2	1	0	0	E
2.	Advanced Artificial Intelligence	dr J. Arabas	4	2	1	0	0	E
3.	Oracle Database Programming	mgr R. Maczewski	4	2	0	0	2	E
Razem:			12	6	2	0	2	3
Suma godzin:					10			