The Faculty of Mathematics and Information Science, Warsaw University of Technology, Undergraduate Program (B.Sc) in Computer Science (valid from 2011-10-01)

	Semester 1						
No	Course	ECTS	Lc	Ε	L	Ρ	Exam
1.	Calculus 1	6	2	2	0	0	
2.	Linear Algebra with Geometry	5	2	2	0	0	Е
3.	Introduction to Modern Mathematics	5	2	2	0	0	Е
4.	Programming 1 (fundamentals, C)	6	2	2	1	0	E
5.	UNIX Fundamentals	0	0	0	0	0	
6.	Physics 1	4	2	1	1	0	
7.	Electronic Principles	3	1	1	0	0	
8.	Physical Education and Sports	0	0	2	0	0	
	Total:	29					3
	Hours - total:			25	5		
	Hours - (without Sports, HES, Languages):			23	3		

Semester 2

No	Course	ECTS	Lc	Е	L	Ρ	Exam
	Calculus 2	5	2				Е
1.				2	0	0	
2.	Discrete Mathematics 1	5	2	2	0	0	
3.	Programming 2 (object oriented, C++)	5	2	0	2	0	
4.	Physics 2	4	2	1	0	0	E
5.	Introduction to Digital Systems	4	2	1	1	0	
6.	Techniques of Auto-presentation	2	0	2	0	0	
7.	UNIX Fundamentals	2	0	0	2	0	
8.	Language	4	0	4	0	0	
9.	Physical Education and Sports	0	0	2	0	0	
	Total:	31					2
	Hours - total:			29)		
	Hours - (without Sports, HES, Languages):			23	3		

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No	Course	ECTS	Lc	Е	L	Ρ	Exam
1.	Discrete Mathematics 2	5	2	1	0	0	Е
2.	Differential Equations	5	2	2	0	0	Е
3.	Algorithms & Data Structures	6	2	2	2	0	Е
4.	Programming 3 (advanced, Java)	5	2	0	2	0	
5.	Internet Programming	3	1	0	2	0	
6.	Humanities - Communication	2	0	2	0	0	
7.	Language	4	0	4	0	0	
8.	Physical Education and Sports	0	0	2	0	0	
	Total:	30					3
	Hours - total:			28	3		
	Hours - (without Sports, HES, Languages):			22	2		

Semester 4

No	Course	ECTS	Lc	Ε	L	Ρ	Exam
1.	Probability	4	2	2	0	0	Е
2.	Numerical Methods	4	2	1	0	1	Е
3.	Mathematical Foundation of Engineering	4	2	2	0	0	
4.	Programming 4 (in graphical enviroment)	4	2	0	2	0	
5.	Operating Systems	3	2	0	1	0	
6.	Data Transmission	0	2	0	1	0	
7.	Data Bases	4	1	0	2	0	
8.	Language	4	0	4	0	0	
9.	Physical Education and Sports	0	0	2	0	0	
	Total:	27					2
	Hours - total:			31	l		
	Hours - (without Sports, HES, Languages):			25	5		

	Semester 5					
No Course	ECTS	Lc	Е	L	Ρ	Exam
Electives x 3	12		9			E

1. Automata Theory and Languages	5	2	2	0	0	Е
2. Computer Statistics	4	2	0	2	0	Е
3. Software Engineering 1	4	2	1	0	0	
4. Computer Networks	3	2	0	1	0	
5. Language	2	0	2	0	0	
6. Physical Education and Sports	0	0	2	0	0	
Total:	30					3
Hours - total:	27					
Hours - (without Sports, HES, Languages):			23	3		

Semester 6

No	Course	ECTS	Lc	Е	L	Ρ	Exam
	Electives x 2	8		6			Е
1.	Computer Graphics	4	2	0	2	0	Е
2.	Artificial Intelligence Fundamentals	4	2	0	0	1	
3.	Software engineering 2	4	0	0	3	0	
4.	UNIX Programming	4	1	0	2	0	
5.	Project (individual)	4	0	0	0	3	
6.	Social and Professional Aspects in Computer Science	2	0	2	0	0	
7.	Physical Education and Sports	0	0	2	0	0	
	Total:	30					2
	Hours - total:			26	5		
	Hours - (without Sports, HES, Languages):			22	2		

Semester 7

No	Course	EC	TS L	С	Е	L	Ρ	Exam
	Elective	4			3			
1.	Diploma Seminar	3	()	2	0	0	
2.	Project (group)	4	1		0	0	1	
3.	Algorithms and Computability	7	2	2	1	1	0	
4.	Bachelor Thesis Preparation	12	2 ()	0	0	0	
	To	otal: 30)					0
	Hours - to	otal:		11				

Additionally, there are 180 hours in sem. 7 for Bachelor Thesis preparation Student Internship (after sem 4 or sem. 6) - 4 ECTS not within the ECTS limits