

The Faculty of Mathematics and Information Science, Warsaw University of Technology
Graduate Programme (M.Sc.Eng.) in Computer Science
 (3-semester programme, specialization Artificial Intelligence,
 valid from academic year 2017/2018)

COMPUTER SCIENCE - summer semester (3SEM - AI sem.1 or 2)

Obligatory courses

No.	Course	ECTS	Lc	Ex	Lab	P	Exam
1	Elements of modern physics	4	2	1	0	0	
2	High performance computing	3	2	0	2	0	
3	Humanities seminar	3	0	2	0	0	
Total:		10	4	3	2	0	0
Hours (total):					9		
Hours (without Sports, HES, Languages):					7		

Specialization: Artificial intelligence

No.	Course	ECTS	Lc	Ex	Lab	P	Exam
1	Neural networks	5	2	0	2	0	E
2	Knowledge representation and reasoning	5	2	0	2	0	E
3	<i>Diploma seminar 1 (sem.2)*</i>	2	0	2	0	0	
4	<i>Elective 1</i>	4			3		
5	<i>Elective 2</i>	4			3		
Total:		20	6	2	8	0	2
Hours (total):					16		

COMPUTER SCIENCE - winter semester (3SEM - AI sem.1 or 2)

Obligatory courses

No.	Course	ECTS	Lc	Ex	Lab	P	Exam
1	<i>Advanced topics in mathematics (elective block)</i>	4			3		
2	Advanced algorithms	4	2	0	0	1	E
3	IT projects management	4	2	0	0	2	E
4	<i>Humanities (elective)</i>	2			2		
Total:		14	7	2	0	3	2
Hours (total):					12		
Hours (without Sports, HES, Languages):					10		

Specialization: Artificial intelligence

No.	Course	ECTS	Lc	Ex	Lab	P	Exam
1	Calculus - advances	4	2	2	0	0	
2	Image and speech recognition	5	2	1	1	0	
3	Programming in logic and symbolic programming	4	1	0	2	0	
4	Data compression	3	2	0	1	0	
Total:		16	7	3	4	0	0
Hours (total):					14		

COMPUTER SCIENCE - summer or winter semester (3SEM - AI sem.3)

Obligatory courses

No.	Course	ECTS	Lc	Ex	Lab	P	Exam
1	<i>Master thesis preparation</i>	16	0	0	0	0	
Total:		16	0	0	0	0	0
Hours (total):					0		

Specialization: Artificial intelligence

No.	Course	ECTS	Lc	Ex	Lab	P	Exam
1	<i>Diploma seminar 2</i>	2	0	2	0	0	
2	<i>Elective 3</i>	4			3		
3	<i>Elective 4</i>	4			3		
4	<i>Elective 5</i>	4			3		
Total:		14	3	2	6	0	0
Hours (total):					11		

* The first semester of the diploma seminar takes place in the second semester, i.e. winter for students beginning their course in the summer, or summer for those beginning in the winter semester