

Field of study : **Informatyka (Computer Science)**

Profile of study: General academic

degree studies: I (Bachelor degree studies)

Mode of study: Full-time programme

For a year 2019/2020

YEAR	SEMESTER	COURSES	Course details							
			CODE	Hours				Form of assessment	ECTS	
				Lectures	Tutorials / Seminars	Computer labs	Apprenticeship, others			Total
	1	Algebra and Number Theory	EA0ENG	28	28			56	E	6
	1	Logic with Elements of Set Theory	LS0ENG	14	28			42	Z	4
	1	IT Work Environment	IT0ENG			56		56	Z	4
	1	Introduction to Computer Science	IC0ENG	28	28			56	E	6
	1	Introduction to Programming	PI0ENG	28		28		56	Z	6
	1	Legal Aspects of Computer Science	LC0ENG	14				14	Z	1
	1	History of Computer Science	HC0ENG	28				28	Z	3
<b>Semester 1 total:</b>							<b>Hours: 308</b>	<b>p. ECTS: 30</b>		
	2	Mathematical Analysis 1	MA1ENG	28	28			56	E	6
	2	Basic Programming	CP0ENG			28		28	Z	3
	2	Programming and Data Structures	PD0ENG	28		28		56	E	6
	2	Introduction to Operating Systems	IO0ENG	28		28		56	E	6
	2	Architecture of Computer Systems	CA0ENG	28				28	Z	3
	2	Electives		min	24			24	Z/E	6
<b>Semester 2 total:</b>							<b>Hours (min): 248</b>	<b>p. ECTS: 30</b>		
	3	Algorithms and Complexity	AC0ENG	28		28		56	Z	5
	3	Discrete Mathematics	DM0ENG	28	28			56	E	6
	3	Object-Oriented Programming	OP0ENG	28		28		56	Z	5
	3	Introduction to Databases	ID0ENG	28		28		56	E	6
	3	Physical Education 1	PE1ENG				30	30	Z	0
	3	Electives		min	40			40	Z/E	10
	3	English for IT professionals*			30			30	Z	2*
<b>Semester 3 total:</b>							<b>Hours (min): 294</b>	<b>p. ECTS: 32</b>		
	4	Software Engineering	SI0ENG	28		28		56	E	5
	4	Computer Networks	CN0ENG	28		28		56	E	5
	4	Advanced Algorithms	AV0ENG	28		28		56	E	6
	4	Methods of Probability and Statistics	PS0ENG	28	28			56	Z	5
	4	Physical Education 2	PE2ENG				30	30	Z	0
	4	Electives		min	36			36	Z/E	9
<b>Semester 4 total:</b>							<b>Hours (min): 290</b>	<b>p. ECTS: 30</b>		
	5	Team Project	TE0ENG			28		28	Z	4
	5	Classes from group S	AL0LEM	min	4			4	Z	1
	5	Degree Project 1 and Preparation for BA	SSS1ELI-*			28			Z	3
	5	Computer Graphics	CG0ENG	28		28		56	E	6
	5	Electives		min	60			60	Z/E	15
	5	Challenges of the IT labor market*			30				Z	2*
	5	Interpersonal communication*		30					Z	2*
<b>Semester 5 total:</b>							<b>Hours (min): 148</b>	<b>p. ECTS: 29</b>		
	6	Degree Project 2 and Preparation for BA	SSS2ELI-*			28		28	Z	12
	6	Apprenticeship	QP0LOI				120	120	Z	4
	6	Electives		min	60			60	Z/E	15
<b>Semester 6 total:</b>							<b>Hours (min): 208</b>	<b>p. ECTS: 31</b>		
<b>TOTAL THROUGHOUT THE STUDIES:</b>							<b>Hours (min): 1511</b>	<b>p. ECTS: 182</b>		

Study programme approved by the Council of the Faculty of Mathematics and Computer Science on 15.05.2019

\* POWER project course

Fundusze Europejskie  
Wiedza Edukacja RozwójUNIWERSYTET  
ŁÓDZKIUnia Europejska  
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**Mandatory courses not included in the study programme:**

- Health and Safety Training on the e-learning platform,
- Copyright Training on the e-learning platform.