

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 2021/2022

YEAR	SEMESTER	COURSES	CODE	Course details					Form of assessment	ECTS
				Hours						
				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	ITOENG			56		56	Z	4
	1	Introduction to Computer Science	ICOENG	28	28			56	E	6
	1	Introduction to Programming	PIOENG	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>	
I	2	Mathematical Analysis 1	MA1ENG	28	28			56	E	6
	2	Basic Programming	CPOENG			28		28	Z	3
	2	Programming and Data Structures	PDOENG	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	Foreign Language			60			60	Z	2
	2	Vector Graphics	VG0ENG			28		28	Z	4
<b>Semester 2 total:</b>				<b>Hours: 312</b>					<b>p. ECTS: 30</b>	
	3	Algorithms and Complexity	ACOENG	28		28		56	Z	5
	3	Discrete Mathematics	DM0ENG	28	28			56	E	6
	3	Object-Oriented Programming	OPOENG	28		28		56	Z	5
	3	Introduction to Databases	IDOENG	28		28		56	E	6
	3	Foreign Language			60			60	E	5
	3	Physical Education 1	PE1ENG				30	30	Z	0
II	3	Electives		min	35			35	Z/E	5
	3	Challenges of the IT labor market*	CITLM0ENG		30				Z	2*
<b>Semester 3 total:</b>				<b>Hours (min): 349</b>					<b>p. ECTS: 32</b>	
	4	Software Engineering	SIOENG	28		28		56	E	5
	4	Computer Networks	CNOENG	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	Web Applications		12		28		40	Z	5
	4	Electives		min	28			28	Z/E	4
<b>Semester 4 total:</b>				<b>Hours (min): 322</b>					<b>p. ECTS: 30</b>	
	5	Team Project	TE0ENG			28		28	Z	4
	5	Degree Project 1 and Preparation for BA	SSS1ELL*			28		28	Z	3
	5	Mobile Applications				28		28	Z	4
	5	Security of Computer Systems	BS0ENG	28		28		56	E	6
	5	Computer Graphics	CG0ENG	28		28		56	E	6
	5	Social Classes		min	7			7	Z	1
III	5	Electives		min	35			35	Z/E	5
<b>Semester 5 total:</b>				<b>Hours (min): 238</b>					<b>p. ECTS: 29</b>	
	6	Degree Project 2 and Preparation for BA	SSS2ELL*			28		28	Z	12
	6	Database Systems Administration	AB0ENG	28		28		56	E	6
	6	Numerical Methods	MNOENG	28		28		56	E	5
	6	Apprenticeship	QP0LOI				120	120	Z	4
	6	Electives		min	28			28	Z/E	4
<b>Semester 6 total:</b>				<b>Hours (min): 288</b>					<b>p. ECTS: 31</b>	
<b>TOTAL THROUGHOUT THE STUDIES:</b>				<b>Hours (min): 1817</b>					<b>p. ECTS: 182</b>	

Study programme approved by the Council of the Faculty of Mathematics and Computer Science on 24.03.2021

\* POWER project course



Projekt pn. „STUDENTS' POWER – kompleksowy program rozwoju uczelni” współfinansowany przez Unię Europejską ze środków Europejskiego Funduszu Społecznego w ramach Programu Operacyjnego Wiedza Edukacja Rozwój; realizowany przez Uniwersytet Łódzki w ramach konkursu Narodowego Centrum Badań i Rozwoju nr POWR.03.05.00-IP.08-00-PZ3/18, na podstawie umowy nr POWR.03.05.00-00-Z302/18-00 z dnia 27.12.2018 r.

**Mandatory courses not included in the study programme:**

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

IV semester - the meeting at which the topics of the proposed diploma thesis will be presented

**Examples of Social Classes:** Success on the Labour Market, Basics of Entrepreneurship and Management.