

Program starting in academic year 2026/2027

Field of study: Computer Science

Level of study: First cycle

Study mode: Full-time

Primary discipline: Information and Communication Technology

Profile: General academic

no.	Course name	SEM	Exam	ECTS
1	Study skills for university	I		1
2	Business Communication for Engineers 1			3
3	Mathematics I		E	8
4	Physics		E	5
5	Introduction to Computer Science			6
6	Scripting Languages			3
7	Electrical & Electronic Engineering			4
8	Modern Physics	II		4
9	Mathematics II		E	8
10	Business Communication for Engineers 2		E	2
11	Civic knowledge and engagement 1			1
12	Physical Education 1			0
13	Computer Networks			4
14	Programming and Data Structures		E	4
15	Algorithms and Data Structures		E	4
16	Computer Aided Design			3
17	Foreign Language block 1	III		3
18	Java Fundamentals			3
19	Interdisciplinary Problem-Based Learning Project			5
20	Databases		E	4
21	Object Oriented Programming in C++			4
22	Mathematics III			3
23	Numerical methods		E	3
24	Digital Systems			4
25	Civic knowledge and engagement 2			1
26	Physical Education 2			0
27	Foreign Language block 2	IV		3
28	Computer Architecture		E	5
29	Team project			6
30	Interactive Web Applications			4
31	Software Engineering			3
32	Operating Systems			4
33	Human Computer Interaction			4
34	Civic knowledge and engagement 3			1
35	Physical Education 3			0
36	Embedded Systems	V	E	5
37	Artificial Intelligence Fundamentals		E	4
38	Mobile Device Programming			4
39	Elective Courses 1			6
40	Data Analysis			4
41	Professional Design Project			7
42	Mobility semester	VI		30
43	Elective Courses 2	VII		3
44	Final Project			15
45	Diploma Seminar		E	2
46	Internet of Things		E	4
47	Internship			6
				210

Core courses in the study programme are highlighted in bold.

Pursuant to Section 16(3a) of the Study Regulations at Lodz University of Technology, in order to take the competency exam, students must have successfully completed all core courses as specified in the programme above that are during the semesters preceding the final semester of study. Every core course completion must be confirmed by an entry in the IT system.