



**Spring semester 2024/2025
The list of the Courses for Information Technology**

Bachelor degree

Major: Information Technology – Computer Science

Year	Semester of study at the UIIM	The name of the subject*	ECTS
1	2	Algorithms and Data Structures	5
1	2	Physics	4
1	2	English Language	4
1	2	Mathematics	4
1	2	Protection of Intellectual Property	1
1	2	Law	1
1	2	Social and Occupational Problems of IT	2
1	2	Programming	4
2	4	Computer System Architecture	7
2	4	Databases	3
2	4	Software Engineering	4
2	4	Programming Languages 1	7
2	4	Academic Writing Skills	1
3	6	Analytics and Big Data in IoT	7
3	6	Team Project	4

* If you have additional questions about the course content, please send an e-mail: erasmus@wsiz.edu.pl

Major: Information Technology – Programming

Year	Semester of study at the UIIM	The name of the subject*	ECTS
1	2	Algorithms and Data Structures	5
1	2	Physics	4
1	2	English Language	4
1	2	Mathematics	4
1	2	Protection of Intellectual Property	1
1	2	Law	1
1	2	Social and Occupational Problems of IT	2
1	2	Programming	4
2	4	Computer System Architecture	7
2	4	Databases	3
2	4	Software Engineering	4
2	4	Programming Languages 1	7
2	4	Academic Writing Skills	1
3	6	Team Project	4
3	6	Software Development Techniques	7

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Please note – you can choose subjects from different specialization.

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Major: Information Technology – Game Design and Development

Year	Semester of study at the UTM	The name of the subject*	ECTS
1	2	Algorithms and Data Structures	5
1	2	Physics	4
1	2	English Language	4
1	2	Mathematics	4
1	2	Protection of Intellectual Property	1
1	2	Law	1
1	2	Social and Occupational Problems of IT	2
1	2	Programming	4
2	4	Animation and Motion Capture Techniques	3
2	4	Computer System Architecture	7
2	4	Databases	3
2	4	Software Engineering	4
2	4	Preproduction	5
2	4	Academic Writing Skills	1
3	6	Marketing and Business Aspects of Games	4
3	6	Team Project	4
3	6	Levels Design	3
3	6	Artificial Intelligence in Games	2

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