



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

Bachelor degree

Major: Information Technology – Computer Science

Year	Semester of study at the UITM	The name of the subject*	ECTS
1	1	Digital Safety and Awareness	1
1	1	English Language	4
1	1	Discrete Mathematics	6
1	1	Fundamentals of Mathematics	4
1	1	Network Technologies (CCNA)	5
1	1	Introduction to IT	3
1	1	Introduction to Programming	3
2	3	Personal Business Model	1
2	3	Cybersecurity Essentials	6
2	3	Fundamentals of Economics	1
2	3	Law	1
2	3	Programming	4
2	3	Software project	6
2	3	Operating Systems	4
2	3	Introduction to Electronics and Electrical engineering	4
3	5	Operational Research	6
3	5	LAN and WLAN Operation	7
3	5	Computer Graphics with HCI Elements	2
3	5	CASE Tools Methodology	7
3	5	Artificial Intelligence	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 UITM	The name of the subject*	ECTS
1	1	Digital Safety and Awareness	1
1	1	English Language	4
1	1	Discrete Mathematics	6
1	1	Fundamentals of Mathematics	4
1	1	Network Technologies (CCNA)	5
1	1	Introduction to IT	3
1	1	Introduction to Programming	3
2	3	Personal Business Model	1
2	3	Cybersecurity Essentials	6
2	3	Fundamentals of Economics	1
2	3	Law	1
2	3	Programming	4
2	3	Software project	6

Please note – you can choose subjects from different specialization.

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2	3	Operating Systems	4
2	3	Introduction to Electronics and Electrical engineering	4
3	5	Operational Research	6
3	5	Computer Graphics with HCI Elements	2
3	5	Programming Languages 2	7
3	5	CASE Tools Methodology	7
3	5	Artificial Intelligence	4

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Major: Information Technology – Game Design and Development

Year	Semester of study at the UITM	The name of the subject*	ECTS
1	1	Digital Safety and Awareness	1
1	1	English Language	4
1	1	Discrete Mathematics	6
1	1	Fundamentals of Mathematics	4
1	1	Network Technologies (CCNA)	5
1	1	Introduction to IT	3
1	1	Introduction to Programming	3
2	3	Personal Business Model	1
2	3	Cybersecurity Essentials	6
2	3	Fundamentals of Economics	1
2	3	Law	1
2	3	Programming	4
2	3	Software project	6
2	3	Operating Systems	4
2	3	Creating Graphic Assets	3
3	5	Introduction to Electronics and Electrical engineering	4
3	5	Operational Research	6
3	5	Physics in Games	6
3	5	Computer Graphics with HCI Elements	2
3	5	Game Engines and Programming Technologies	6
3	5	Artificial Intelligence	4

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