

Bachelor's Program in Computer Science

Undergraduate courses in English (Spring semester)

Course	Lecturing in English	Visual aids in English	Textbook or other materials in English	Counseling in English	Exams in English	ECTS credit points	
DatZ1139 Databases and Information Systems Fundamentals	yes	yes	yes	yes	yes	4,5	
Valo1465 Practical Latvian for International Students I	yes	yes	yes	yes	yes	6	
DatZ1166 Software development fundamentals	yes	yes	yes	yes	yes	7,5	
Mate1014 Calculus I	yes	yes	yes	yes	yes	3	
SDSK1067 Internet, Netiquette and the Legal Regulation I	yes	yes	yes	yes	yes	3	
Mate1009 Algebra	yes	yes	yes	yes	yes	3	
DatZ2019 Web Technologies II	yes	yes	yes	yes	yes	3	
DatZ3045 Databases II	yes	yes	yes	yes	yes	3	
DatZ3168 Data structures and algorithms	yes	yes	yes	yes	yes	6	
DatZ3038 Software Testing	yes	yes	yes	yes	yes	3	
Mate3044 Mathematical Logic	yes	yes	yes	yes	yes	3	
DatZ2029 Formal Grammars	yes	yes	yes	yes	yes	3	
VidZ1032 Environment protection	yes	yes	yes	yes	yes	1,5	
Ķīmi1059 Civil protection	yes	yes	yes	yes	yes	1,5	
DatZ1131 Introduction to Natural Language Processing	yes	yes	yes	yes	yes	3	
DatZ4019 Object-oriented programming	yes	yes	yes	yes	yes	6	
DatZ1000 Introduction to Web Design	yes	yes	yes	yes	yes	6	
DatZ3050 Theory of Algorithms	yes	yes	yes	yes	yes	3	
DatZ3151 Internet search techniques	yes	yes	yes	yes	yes	3	
DatZ4023 IT Project management	yes	yes	yes	yes	yes	3	

Master's Program in Computer Science

Graduate courses in English (Spring semester)

Course	Lecturing in English	Visual aids in English	Textbook or other materials in English	Counseling in English	Exams in English	ECTS credit points	
DatZ6015: Applied cryptography	no	yes	yes	yes	yes	3	
DatZ7020: Quantum algorithms (2023, 2025, ...)	yes	yes	yes	yes	yes	6	
DatZ7032: Wireless sensor networks	yes	yes	yes	yes	yes	6	