

Programme courses

Year	Semester	Title	Requirement	Code
1	1	Algorithms and programming	Core	DatZ1165
1	1	Web Technologies I	Core	DatZ1031
1	1	Computer Architecture and computer engineering fundamentals	Core	DatZ1164
1	1	Computer networks I and insight into industry	Core	DatZ1172
1	1	Operating System	Core	DatZ1053
1	1	Discrete mathematics for computing	Core	DatZ1143
1	2	Software development fundamentals	Core	DatZ1166
1	2	Web Technologies II	Core	DatZ2019
1	2	Databases and Information Systems Fundamentals	Core	DatZ1139
1	2	Algebra	Core	Mate1009
1	2	Calculus I	Core	Mate1014
1	2	Practical Latvian for International Students I (new)	Core	Valo1465
1	2	Internet, Netiquette And The Legal Regulation	Core	SDK1067
2	3	Software Engineering	Core	DatZ2072
2	3	Analytical geometry	Core	Mate2005
2	3	Probability Theory and Statistics	Core	Mate2012
2	3	Automata Theory	Core	DatZ1037
2	3	Principles of Economics	Core	Ekon1006
2	3	Introduction to management	Core	VadZ1091
2	4	Practice I [DAT6]	Core	DatZR002
2	4	Formal Grammars	Core	DatZ2029
2	4	Mathematical Logic	Core	Mate3044
2	4	Civil protection	Core	Ķīmi1059
2	4	Environment protection	Core	VidZ1032
2	4	Data structures and algorithms [DF]	Core	DatZ3168
3	5	Practice II [DAT12]	Core	DatZR001
3	5	Qualification Project	Core	DatZ3169
3	6	Communication and Cognitive Sciences	Core	KomZ3120
3	6	Wireless Sensor Networks (new)	Core	DatZ3070
3	6	Object-oriented programming	Core	DatZ4019
3	6	Theory of Algorithms	Core	DatZ3050
4	7	Project (Semester A)	Core	DatZN017
4	7	Big Data	Core	DatZ4153
4	7	Cloud Computing	Optional	DatZ3220
4	7	Cross-Platform Development	Optional	DatZ4146
4	8	Project (Semester B)	Core	DatZN017
4	8	Machine Learning	Core	DatZ3224
4	8	Parallel Programming	Core	DatZ1342
4	8	Cyber Security	Optional	DatZ3223

Note: Students select two from the three option modules available