

Free University of Tbilisi

Curriculum - Bachelor in Computing

University General Education	50	Foundation Education	62	Required Elective Courses for Computing	38
English Language	7	Linear Algebra	6	Software Engineering Process	5
Mathematical Mode of Thinking	5	Discrete Mathematics	6	Software Architecture (Design Patterns)	6
The World History and Georgia	3	Probability and Statistics	6	Optimization Theory	6
Georgian Language and Georgians	2	Algorithms and Data Structures	6	Web Programming (JavaScript)	5
Principles of Economics	4	Programming Methodology	6	Natural Language Processing	6
Natural Sciences	4	Programming Abstraction	8	NAND to Tetris	6
Anthropology	4	Theoretical Informatics	6	Game Development (Unity)	6
Logics	4	Artificial Intelligence	6	Software Engineering with .NET Technologies	6
Philosophy	4	Calculus 1	6	Machine Learning	6
Psychology	4	Calculus 2	6	Machine Vision	6
Modern Political Ideologies	4			Multicore Programming	6
Literature and Art	5			Functional Programming Paradigm	6
				Quantum Algorithms	6
General Education	12	Core Education	51	Mobile Applications Engineering (Android)	6
Physics	6	Data Bases	4	Mobile Applications Engineering (iOS)	6
Biology	6	Computer Systems Security	6	Differential Equations	6
		Operating Systems Engineering	6	Numerical Methods (MatLab)	3
Practical Education	8	Programming Paradigms	6	Complex Variable Theory	6
Field Practice	3	Computer Networks	6	Advanced Algorithms 1, 2	12
Working in Organization	5	Object Oriented Programming	6		
		Information Theory	6		
Elective Courses	19	Computer Architecture	3		
Problem Solving Methods in Mathematics	6	Bachelor Project	8		
Courses from Other Programs					

	ECTS
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Practical Education	8
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Required Elective Courses for Computing	38
Elective Courses	19
	240