

Bachelor's Educational Program "Mathematics"
CURRICULUM

№	Components	Course Code	Prerequisite Code	Number of Credits	Number of Hours	Contact Hours	Including						Credit distribution within semesters								
							Lecture	Group Work / Practical	Laboratorial	Internship	Midterm Exam	Final Exam	Independent Work	I semester	II semester	III semester	IV semester	V semester	VI semester	VII semester	VIII semester
Compulsory Courses				105	2625	1122	387	599	70	0	22	44	1503	30	30	15	10	5	0	5	10
1	History of Georgia	B1140702003	No	3	75	33	15	15			1	2	42	3							
2	Introduction to Philosophy	B1140703002	No	2	50	33	15	15			1	2	17	2							
3	Academic Writing	B1140701001	No	3	75	33		30			1	2	42	3							
4	Psychology	B1140302055	No	2	50	33	15	15			1	2	17	2							
5	English A1.1	B1140102073	No	5	125	45		42			1	2	80	5							
	English A2.1	B1140102002	No																		
	English B1.1	B1140102004	No																		
	English B2.1.1	B1140102014	No																		
6	English A1.2	B1140102074	B1140102073	5	125	45		42			1	2	80	5							
	English A2.2	B1140102003	B1140102002																		
	English B1.2	B1140102005	B1140102004																		
	English B2.1.2	B1140102015	B1140102014																		
7	English A2.1	B1140102002	B1140102074	5	125	45		42			1	2	80			5					
	English B1.1	B1140102004	B1140102003																		
	English B2.1.1	B1140102014	B1140102005																		
	English B2.2.1	B1140102071	B1140102015																		
8	English A2.2	B1140102003	B1140102002	5	125	45		42			1	2	80			5					
	English B1.2	B1140102005	B1140102004																		
	English B2.1.2	B1140102015	B1140102014																		
	English B2.2.2	B1140102072	B1140102071																		

Major Elective Courses in Module "Mathematics"			
	Component	Course Code	Prerequisite Code
1	Continuous Transform Groups Theory	B1140902036	B1140902016, B1140902025
2	Geometric Topology II	B1140902026	B1140902016, B1140902025
3	Differential Topology	B1140902038	B1140902016, B1140902025, B1140902018
4	Semi Group Theory	B1140902039	No
5	Group Theory	B1140902040	No
6	Homological Algebra	B1140902041	B1140902027, B1140902025
7	Integral Equations	B1140902042	B1140902010
8	Random Processes	B1140902043	B1140902020
9	Stochastic Mathematics Financial	B1140902046	B1140902020

Major Elective Courses of Module "Financial Mathematics"			
	Component	Course Code	Prerequisite Code
1	Mathematical Modeling of Economic Processes	B1140903039	B1140903018, B1140902032
2	Financial Calculus	B1140902047	No
3	Graphs Theory	B1140902065	No
4	Database Management Systems	B1140903007	No
5	Basics of Management	B1140202001	No
6	Visual Programming C#	B1140903021	B1140903002
7	Modeling and Simulations - SPSS	B1140903033	No
8	Securities Market	B1140201012	No
9	Linear Algebra and Analytical Geometry	B1140902035	No
10	Modern Geometry	B1140902029	