

Financial Mathematics
BA Program
Curriculum

N	Components	Number of credits	Number of hours	Among them					Distribution of Credits over semesters							
				Lecture	Lab	Practice / lab	Group work	Individual learning	I term	II term.	III term.	IV term	V term.	VI term.	VII term.	VIII term.
1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	18
1	History of Georgia (General course)	3	75	15			15	45	3							
2	Introduction to Philosophy	2	50	15			15	20	2							
3	Academic Writing	3	75	5			25	45	3							
4	Psychology	2	50	15			5	30	2							
5	Introduction to Mathematics	5	125	30			30	65	5							
6	Introduction to Physics	5	125	30			30	65	5							
7	Basics of Programming	5	125	30	30			65		5						
8	Mathematical Analysis I	5	125	30			30	65		5						
9	Mathematical Analysis II	5	125	30			30	65			5					
10	Differential and Integral Equations	5	125	30			30	65				5				
11	Geometry	5	125	30			30	65		5						
12	Algebra	5	125	30			30	65		5						
13	Accounting	5	125	15			30	80			5					
14	Mathematical Logic	5	125	30			15	80		5						
15	Theory of Probability and mathematical Statistics	5	125	30			30	65				5				
16	Methods of Computation	5	125	30			15	80				5				
17	Statistics	5	125	30			30	65					5			
18	Mathematical Programming	5	125	30			15	80						5		
19	Economics	5	125	30			30	65					5			
20	Econometrics	5	125	30			30	65							5	
21	Theory of Finances and Credits	5	125	30			30	65						5		
22	Financial Mathematics	10	250	45			45	160							10	
23	Insurance Mathematics	5	125	30			30	65								5
24	Modeling and Simulations	5	125		60			65					5			
25	Statistical Analysis of Data	5	125	15	30			80						5		
26	English Language A1/B1.1.1	5	125				45	80	5							
27	English Language A2/B1.1.2	5	125				45	80		5						
28	English Language B1.1.1/B1.2.1	5	125				45	80			5					

29	English Language B1.1.2/B1.2.2	5	125				45	80				5				
30	Information Technologies	5	125		45			80	5							
Elective Course		25									15	10				
1	Modern Geometry	5	125	30			30	65								
2	Basics of Management	5	125	15			30	80								
3	Databases Management Systems	5	125	15			30	80								
4	Visual Programming C#	5	125	15			30	80								
5	Mathematical Analysis of Multiple Variable	5	125	30			30	65								
6	Linear Algebra and Geometry	5	125	30			30	65								
7	General Algebra	5	125	30			30	65								
8	Theory of Numbers	5	125	30			15	80								
BA paper		10	250				85	165								10
Minor / Elective Course		60	1500				540	960					15	15	15	15
Total		240	6000	870	30	0	1500	3600	30	30	30	30	30	30	30	30