

## BA Curriculum in Mathematics

N	Components	Number of credits	Number of hours	Including					Distribution of credits in semesters							
				Lecture	Laboratorial	Practical	Work in group	Independents work	I semester	II semester	III semester	IV semester	V semester	VI semester	VII semester	VIII semester
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Major courses</b>		<b>155</b>														
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				30	45		3						
4.	Psychology	2	50	15			5	30		2						
5.	Introduction to Mathematics	10	250	60			60	130	10							
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.	Mathematical Analysis III	5	125	30			30	65				5				
11.	Analytical Geometry I	5	125	30			30	65		5						
12.	Analytical Geometry II	5	125	30			30	65			5					
13.	Algebra I	5	125	30			30	65		5						
14.	Algebra II	5	125	30			30	65			5					
15.	Higher Algebra	5	125	30			30	65				5				
16.	Topology	5	125	30			30	65			5					
17.	Mathematical Logic	5	125	30			15	80				5				
18.	Differential Geometry	5	125	30			30	65				5				

19.	Differential Equations	5	125	30			30	65					5			
20.	Probability Theory and Mathematical Statistics	5	125	30			30	65					5			
21.	Complex Variable Functions Analysis	5	125	30			15	80						5		
22.	Planar Geometry	5	125	30			15	80							5	
23.	Theory of Numbers	5	125	30			15	80			5					
24.	Basics of Geometry	5	125	30			15	80								5
25.	Calculation Methods	5	125	30			15	80								5
26.	Geometry and Topology	5	125	30			15	80					5			
27.	General Course in Algebra	5	125	30			15	80					5			
28.	English A1/B1.1.1	5	125				45	80	5							
29.	English A2/B1.1.2	5	125				45	80		5						
30.	English B1.1.1/B1.2.1	5	125				45	80			5					
31.	English B1.1.2/B1.2.2	5	125				45	80				5				
32.	Information Technologies	5	125	30			15	80		5						
<b>Optional Courses</b>		<b>15</b>														
33.	Continuous Transformation Groups Theory	5	125	30			15	80						5		
	Geometric Topology		125	30			15	80								
	Differential Topology		125	30			15	80								
34.	Semigroups Theory	5	125	30			15	80						5		
	Groups Theory		125	30			15	80								
	Homologous Algebra		125	30			15	80								
35.	Functions Theory	5	125	30			15	80						5		
	Integral Equations		125	30			15	80								
	Accidental Processes Theory		125	30			15	80								

