BA Curriculum

N	Name of Courses/Modules, etc.	Number of credits	Hours						Distribution of credits in semesters							
				Including												
			Total	Lecture	Laboratorial	practical	Work in group	Independent 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
Major courses/modules		**180**														
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	15		15		45	3							
4	Psychology	2	50	15		15		20	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	Linear Algebra and Analytical Geometry	5	125	30		30		65		5						
9	Calculus	5	125	30		30		65		5						
10	Object Oriented Programming	5	125	15	30			80		5						
11	Algorithm Design and Analysis	5	125	15	30			80			5					
12	Databases	5	125	16	44			65			5					
13	Arithmetical-Logical Basics of Computer	5	125	30		30		65			5					
14	Complexity Algorithms	5	125	15		30		80			5					
15	Data Structures	5	125	15	30			80				5				
16	Information Management	5	125	15	45			65				5				
17	Computer Architecture and Organization	5	125	45		15		65				5				
18	Discrete Structures	5	125	15		30		80				5				
19	Office Programming - VBA	5	125	15	30			80			5					
20	Modeling and Simulations	5	125		60			65					5			
21	Basics of Computer Network Design	5	125	15	30			80				5				
22	Algorithms of Graph Theory	5	125	15		30		80					5			
23	Number Analysis	5	125	30	15	15		65						5		
24	Internet Technologies	5	125	15	30			80					5			
25	Internet Programming	5	125	15	30			80						5		
26	Mathematical Programming	5	125	30		30		65							5	
27	English A1/B1.1.1-45	5	125		45			80	5							
28	English A2/B1.1.2-45	5	125		45			80		5						
29	English B1.1.1/B1.2.1 -45	5	125		45			80			5					
30	English B1.1.2/B1.2.2-45	5	125		45			80				5				
31	Computer Skills	5	125	15	45			65		5						
Minor Specialty Courses/Modules		**60**														
Free Components (Optional)																

1	a) Windows Server 2003/2008 b) Unix/Linux	5	125	15	30			80						5		
2	a) Visual Programming - C# b) Visual Programming - VB.Net	5	125	15	30			80							5	
3	a) Content Management Systems b) Web Programming - ASPx	5	125	15	30			80								5
4	a) Operations Research b) Game Theory	5	125	30		30		65								5
5	a) Bachelor's thesis b) Practical Course in Computing	10	250				90	160								10
	Total	**240**							**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**

MA Curriculum

N	Name of Courses/Modules, etc.		Hours						Distribution of Credits in Semesters			
			Including									
		Number of credits	Total	Lecture	Laboratorial	Practical	Work in group	Independent work	I semester	II semester	III semester	IV semester
1	2	3	4	5	6	7	8	9	10	11	12	13
Major Courses/Modules												
1	Requests Structure Language	5	125	15	15			95	5			
2	Modern Technologies of Programming	5	125	15	15			95		5		
3	WEB Programming Technologies	5	125	15	15			95			5	
4	Mathematical Modeling	10	250	30		30		190		10		
5	Organization and Administration of Computer Networks Operation	5	125	15	15			95	5			
6	Accounting	5	125	15	15			95	5			
7	Operations on Securities	5	125	15		15		95			5	
8	Electronic Business	5	125	15		15		95	5			
9	Financial Management	5	125	15		15		95			5	
10	Modern Banking Technologies	5	125	15		15		95	5			
11	Taxation	5	125	15		15		95		5		
12	Risks and Insurance	5	125	15		15		95			5	
13	Automated Systems of Business Processes	5	125	15		15		95	5			
14	Master's Thesis	30	750	40			710					30
Free Components (Optional)		**20**								10	10	
16	Modern Computer Systems of Statistic Analysis	5	125	15		15		95				
17	Data Cluster Analysis	5	125	15		15		95				
18	Mathematical Modeling 2 – Games Theory	5	125	15		15		95				
19	Banking Marketing	5	125	15		15		95				
20	Strategic Management	5	125	15		15		95				
21	Accounting in Commercial Banks	5	125	15		15		95				
22	Globalization and Direct Foreign Investments	5	125	15		15		95				
23	Tourism and Hospitality Management	5	125	15		15		95				
24	English B1.2.1	5	125	15		15		95				
25	English B1.2.2	5	125	15		15		95				
26	Basics of Scientific Research	5	125	15		15		95				
	Total	**120**										