

CURRICULUM – Telecommunication B

№	Components	Course Code	Prerequisite Code	Number of Credits	Number of Hours	Including								Credit distribution within semesters							
						Lecture	Laboratorial	Practical	Group work	Internship	Midterm Exam	Final Exam	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	18	19	20	21	22
Compulsory Courses																					
1	Mathematics for Engineers I	B11406090253	No	5	125	15		27			1	2	80	5							
2	Mathematics for Engineers II	B11406090254	B11406090253	5	125	15		27			1	2	80		5						
3	Engineering Graphics I	B1140601004	No	5	125	15		42			1	2	65	5							
4	Physics	B1140901036	No	5	125	15		13	14		1	2	80	5							
5	History of Georgia (General Course)	B1140702003	No	3	75	15	15				1	2	42	3							
6	Academic Writing	B1140701001	No	3	75		30				1	2	42	3							
7	Introduction to Philosophy	B1140703002	No	2	50	15		15			1	2	17	2							
8	Psychology	B1140302055	No	2	50	15	15				1	2	17	2							
9	Information Technologies	B1140601005	No	5	125	14		23			1	2	85	5							
10	Engineering Mechanics	B1140601002	No	5	125	29		28			1	2	65		5						
11	Liquid and Gas Applied Mechanics	B1140601007	No	5	125	15		27			1	2	80		5						
12	Computer Graphics I	B1140601008	B1140601006	5	125			42			1	2	80		5						
13	Computer Graphics II	B1140601009	B1140601008	2	50			15			1	2	32			2					
14	Basics of Modeling Computer Systems (MatCAD, Matlab)	B1140601010	No	3	75	15		15			1	2	42			3					
15	English Beginner English A1.1 English A2.1	B1140102070 B1140102073 B1140102002	No	5	125			42			1	2	80		5						

	English B1.1 English B2.1.1	B1140102004 B1140102014																	
16	English A1 English A2.1 English B1.1 English B2.1.1 English B2.2.1	B1140102078 B1140102083 B1140102084 B1140102107 B1140102108	B1140102070 B1140102073 B1140102002 B1140102004 B1140102014	10	250		87			1	2	160			10				
17	English A2.1 English A2.2 English B1.2 English B2.1.2 English B2.2.2	B1140102002 B1140102003 B1140102005 B1140102015 B1140102072	B1140102078 B1140102083 B1140102084 B1140102107 B1140102108	5	125		42			1	2	80			5				
Major Compulsory Courses																			
18	Theory of Electric Circuits I	B1140601011	B1140901036	5	125	15	27		15	1	2	65		5					
19	Theory of Electric Circuits II	B1140601012	B1140601011	5	125	15	15		12	1	2	80			5				
20	Fields and Waves	B1140601013	B1140901036	5	125	30	27			1	2	65			5				
21	Micro Electric Circuits	B1140601014	B1140901036	5	125	30	12		15	1	2	65			5				
22	Telecommunication Theory I	B1140601015	B1140601013	5	125	15	27			1	2	80			5				
23	Telecommunication Theory II	B1140601016	B1140601015	5	125	15	27			1	2	80				5			
24	Computer Design Systems (LIRA)	B1140601074	No	5	125	15	27			1	2	80			5				
25	Aerial and Radio Wave Spreading	B1140601017	B1140601013	5	125	30	14		13	1	2	65			5				
26	Basics of Telecommunication Networks	B1140601022	B1140601011	5	125	30	27			1	2	65				5			
27	Radio Technical Systems	B1140601023	B1140601017	5	125	30	27			1	2	65				5			
28	Discrete Message Delivery	B1140601024	B1140601022	5	125	30	27			1	2	65					5		
29	Mobile Communication Systems	B1140601025	B1140601023	5	125	30	27			1	2	65					5		
30	Basics of Info-Telecommunication Technology	B1140601026	B1140601022	5	125	15	27			1	2	80					5		
31	-Channel Telecommunication	B1140601027	B1140601024	5	125	30	27			1	2	65						5	
32	Digital Commutation	B1140601029	B1140601024	5	125	30	27			1	2	65						5	
33	Internship	B1140601028	B1140601025	5	125		125											5	
34	Fiber-Optical Systems	B1140601030	B1140601027	5	125	30	27			1	2	65							5
35	Bachelor's Thesis	B1140601031	B1140601029	10	250			100				150							10
Major Elective Courses																			
36	Basics of Programming C/C++	B1140601018	No	5	125	28	29			1	2	65			5				

