Structure of the bachelor's program in Construction

(Subjects, Corresponding credits)

To obtain a bachelor's degree, students must earn a total of 240 ECTS credits over four academic years

	Subject Code	Subject/Module	I Course		II Course		III Course		IV Course		ECTS Credits
			ECTS Credit								
			I Term	II Term	I Term	II Term	I Term	II Term	I Term	II Term	
			30	30	30	30	30	30	30	30	240
Academic disciplines											
1	NS&E 201	Calculus	6								6
2	NS&EC 302	Principles of Informational Technologies	3								3
3	NS&E 101	Technical English I	6								6
4	NS&E 102	Technical English II		6							6
5	NS&E 103	Technical English III			6						6
6	NS&E 104	Technical English IV				6					6
7	NS&E 105	Technical English V					6				6
8	NS&E 106	Technical English VI						6			6

9	NS&E 203	Discrete Mathematics		6							6
Facultative disciplines											
10	NS&EC 413	Engineering Graphics I	3								3
11	NS&EC 414	Engineering Graphics II		3							3
12	NS&EC 401	Computer Engineering Graphics I(ArchiCad)	3								3
13	NS&EC 415	Computer Engineering Graphics II (ArchiCad)		3							3
Primary specialty disciplines											
14	NS&EB 101	Introduction to the specialties: Hydro technical, Civil and Industrial Premises	3								3
15	NS&EB 601	Principles of Building Design	3								3
16	NS&EB 602	Design of buildings		3							3
17	NS&EB 301	Principles of engineering techniques - Parts of buildings		6							6
18	NS&EB 302	Principles of engineering techniques - Parts of buildings-Practice			3						3
19	NS&EB 401	Knowledge of Materials: Contemporary Construction materials and products		3							3
20	NS&EB 402	Knowledge of Materials: Contemporary Construction materials and products - Practice			3						3
21	NS&EB 504	Engineering Geology			3						3
22	NS&EB 304	Engineering Geodesy			6						6
23	NS&EB 215	Theoretical Mechanics			6						6
24	NS&EB 407	Construction machinery and mechanisms			3						3
25	NS&EB 303	Constructions - reinforced concrete Constructions I				3					3
26	NS&EB 505	Principles of hydraulic				3					3
27	NS&EB 404	Material Durability				3					3
28	NS&EB 403	Ground Mechanics and base -				3					3

		Foundations									
29	NS&EB 503	Construction Economics				3					3
30	NS&EB 803	Construction Management				3					3
31	NS&EB 405	Construction Mechanics and Seismic stability				3					3
32	NS&EB 406	Building constructions, Modern Constructions							6		6
33	NS&EB 501	Building amenities: Water supply, sewerage					3				3
34	NS&EB 502	Building amenities: Thermal gas supply, ventilation				3					3
35	NS&EB 701	Constructions - reinforced concrete Constructions II					6				6
36	NS&EB 801	Modern methods of Construction Calculation I					3				3
37	NS&EB 802	Organizing, Planning and managing construction processes					3				3
38	NS&EB 805	Norms and rules of constructions in Georgian					3				3
39	NS&EB 702	Research, Restoration, Reconstruction of buildings						6			6
40	NS&EB 703	Constructions - Steel Constructions I						6			6
41	NS&EB 804	Modern methods of Construction Calculation II						6			6
42	NS&EB 506	Road - transportation facilities, Bridges, Tunnels, overpasses						6			6
43	NS&EB 409	Labour Protection							3		3
44	NS&EB 410	Wooden and plastic Constructions							3		3
45	NS&EB 507	Hydrotechnical Structures					6				6
46	NS&EB 411	Monitoring of Structural Integrity and Technical Expertise							3		3
47	NS&EB 408	Construction Technologies							6		6

48	NS&EB 704	Euro norms for Construction							6		6
49	NS&EB 705	Constructions - Steel Constructions II							3		3
Elective disciplines											
50	NS&E 110	Georgian Language	3								3
	NS&E 202	Applied Statistics									
	NS&E 214	History of World Civilization									
Final year											
51	NS&EB 901	Qualification work								30	30
	Sum		30	30	30	30	30	30	30	30	240