

**CURRICULUM -
Civil and Industrial Engineering - M**

№	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Compulsory Courses																	
1	Object Oriented Programming C++	M11406010536	No	5	125	14	13				1	2	95	5			
2	Organization and Planning of Engineering Experiment	M1140601054	No	5	125	13			14		1	2	95	5			
3	Research Tools and Methods	M1140601013	No	5	125	12		15			1	2	95	5			
4	Production Organization and Planning	M1140601056	No	5	125	13		5	9		1	2	95			5	
Major Compulsory Courses																	
5	Computer Systems of Construction Design (LIRA)	M1140601001	No	5	125	15			12		1	2	95	5			
6	Special Course in Civil Engineering Mechanics	M1140601002	No	5	125	14			13		1	2	95	5			
7	Special Course in Construction Materials	M1140601003	M1140601054	5	125	15			12		1	2	95	5			
8	Special Course in Base-Foundation	M1140601004	No	5	125	15			12		1	2	95		5		
9	Metal Construction Structures	M1140601005	No	5	125	15			12		1	2	95		5		
10	Reinforced Concrete Construction Structures	M1140601006	No	5	125	14			13		1	2	95		5		
11	Labor Protection	M1140601007	No	3	75	9			9		1	2	54		3		
12	Civil Engineering Legislation	M1140601008	No	2	50	6		6			1	2	35		2		
13	Special Course in Metal Constructions	M1140601009	M1140601005	5	125	15			12		1	2	95			5	

14	Special Course in Reinforced Concrete Structures	M1140601010	M1140601006	5	125	13			14		1	2	95			5	
15	Special Course in Construction Technologies	M1140601011	No	5	125	15			12		1	2	95			5	
16	Seismic Resistance	M1140601012	M1140601002	5	125	14		13			1	2	95			5	
17	Constructions Investigation and Testing	M1140601013	M1140601005 M1140601006	5	125	14	13				1	2	95			5	
18	Master's Thesis	M1140601014	No	30	750								690				30
Elective Courses																	
19	English B2.1 English C1.1	M1140102067 M1140102119	No	5	125				27		1	2	95		10		
20	Computer Visualization 3D Studio Max	M1140601050	No	5	125				27		1	2	95				
21	Public Relations	M1140601051	No	5	125	14			13		1	2	95				
22	Financial and Managerial Accounting	M1140601052	No	5	125	15			12		1	2	95				
23	Architectural Planning	M1140601053	No	5	125	13			14		1	2	95				
24	Finite Elements	M1140601054	No	5	125	13			14		1	2	95				
25	Hydro technical Construction Structures	M1140601055	No	5	125	13			14		1	2	95				
	Total			240										30	30	30	30