

	Specialty subjects		120	3600	2325	1275	690	405	180				
9	00055	Linear algebra and analytical geometry	4	120	75	45	30	15				F-1	3
10	00040	Mathematical analysis	8	240	180	60	30	30				S-1	4
11	00891	Applied mathematics	4	120	75	45	30	15				F-2	3
12	00049	General chemistry	5	150	105	45	30		15			F-1	3
13	00119	Physico-chemical	4	120	75	45	30		15			S-1	3
14	00048	General physics	6	180	120	60	30		30			F-1	4
15	00121	Applied Physics	6	180	120	60	30		30			S-1	4
16	00046	Inverse geometry and engineering graphics	6	180	120	60	30	30				F-1	4
17	00485	Computer graphics	3	90	45	45	15	30				F-2	3
18	00562	Materials science	7	210	150	60	30	15	15			F-2	4
19	00120	Mechanics	5	150	90	60	30	30				S-1	4
20	00509	Crystallography	4	120	75	45	30		15			F-3	3
21	00550	Materials technology	7	210	150	60	30	30				F-2	4
22	00067	Introduction to specialty	4	120	60	60	30	30				S-1	4
23	00559	Recycling of materials	7	210	150	60	30	30				S-3	4
24	00556	Physico-chemical research methods of materials	4	120	75	45	30		15			S-3	3
25	00555	Physics of materials	7	210	150	60	30		30			F-3	4
26	00679	Basics of programming	4	120	75	45	15	30				S-2	3
27	00939	Design of new materials based on special computer programs	5	150	90	60	30	30				F-3	4
28	00581	Metrology, standardization and certification	4	120	75	45	30		15			F-4	3
29	00544	Material production equipment	5	150	90	60	30	30				F-2	4
30	00619	Engineering economy	4	120	60	60	30	30				F-4	4
31	00370	Safety of life activities	4	120	75	45	30	15				F-4	3
	00034	Civil Defense	3	90	45	45	30	15				S-3	3
	Elective subjects (specialty subjects)		60	1800	1200	600	300	240	60				
32	00218 00580 00470 00579	1.Continuous chemical metallurgy 2.Processing of metals 3.Chemical metallurgy 4.Metal waste and their recycling	7	210	150	60	30	30				S-2	4
33	00558 00143 00641 00852	1.Industrial ecology of materials 2.Amorphous materials 3.Processing of thin sheet materials 4.Technology of glass materials	8	240	180	60	30	30				S-2	4
34	00551 00163 00311 00546	1.Materials, social impact and social innovation 2.Behavioral sciences for engineers 3.Quality Management in materials engineering 4.Innovation and commercialization of Material technology	7	210	150	60	30	30				F-3	4
35	00463 00462 00347 00649	1.Introduction to ceramics 2.Ceramic processing 3.Photonic materials and devices 4.Refractory materials	4	120	60	60	30	30				F-3	4
36	00212 00545 00802 00479	1.Introduction to C++ programming 2.Data science and machine learning approaches in materials engineering 3.Introduction to system security 4.Computer analysis and simulation	5	150	90	60	30	30				S-3	4
37	00295 00878 00669 00547	1.Electronic Materials Engineering 2.Thermodynamics engineering 3.Polymer Engineering 4.Nanomechanics of materials and biomaterials	5	150	90	60	30		30			S-3	4
38	00668 00627 00563 00554	1.Polymer physics 2.Mechanical properties of engineering materials 3.Fluid dynamics 4.Electrical and magnetic properties of materials	6	180	120	60	30		30			S-3	4
39	00293 00229 00504	1.Electrical, optical and magnetic materials and devices 2.Properties of dielectric and magnetic materials 3.Corrosion and corrosion	6	180	120	60	30	30				F-4	4

	00931	protection 4.Processing technology of raw materials and minerals											
40	00552	1.Biological indicators of materials	6	180	120	60	30	30				F-4	4
	00605	2.Molecular Cell Biology											
	00685	3.Advanced cell engineering											
	00912	4.Organic and biological materials											
41	00478	1.Composition materials basics	6	180	120	60	30	30				F-4	4
	00499	2.Construction materials and manufacturing											
	00588	3.Micro/nano process technology											
	00655	4.Basics of powder materials											
		Internship and graduation work	30	900	900								
42	00861	Internship	21	630	630							S-4	0
43	00210	Graduation work	9	270	270							S-4	0

III. TIME ALLOTTED FOR TRAINING

Academic year		Credit	Theoretical training (week)	Exam session (week)	Practice (week)	Final certification (week)	Vacation
I	F-1	60	30	10	14	6	12
	S-1						
II	F-2	60	30	10	14	6	12
	S-2						
III	F-3	60	30	10	14	6	12
	S-3						
IV	F-4	30 + 21 ^x + 9 ^{//}	15	5	14	6	2
	Y-4						
Total:		210 + 21^x + 9^{//} = 240	105	35	14	6	38

	PRACTICE	Week	Credit	Semester
1	Industrial practice	14	21	S-4

1 week for the internship is 1,5 credits.

	FINAL CERTIFICATION	Week	Credits	Semester
1	Final state attestation	6	9	S-4

IS PRESENTED BY:

Vice-rector for teaching and learning technologies

Director of the educational-methodical Center

Acting dean of "Engineering" Faculty

Head of the Department "engineering and Applied Sciences"

Assist.prof. G.C. Musayev

Assist. Prof. E.H. Azadov

Assist. Prof. E.A. Samadov

prof. R.M. Rzayev