MINISTRY OF HIGHER EDUCATION,
SCIENCE AND INNOVATIONS OF THE REPUBLIC OF UZBEKISTAN
TASHKENT TEXTILE AND LIGHT INDUSTRY
Direction of education:

60720600 – Materials science and technology of new materials

I. SCHEDULE OF THE LEARNING PROCESS

Qualifying practice	Weeks																																																				With the defense of a graduate thesis	from this					Vacation	Total
	September					October				November					December				January					February				March					April				May				June				July				August				Total	Theoretical and practical education	Attestation	Qualifying practice	credit education	With the defense of a graduate thesis		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52								
I	K	K																T	T	A	A																A	A	A	A	T	T	T	T	T	T	T	T	T	T	T	T	38	30	6	2			14	52
II																A	A	T	T	M	M																A	A	M	M	M	M	T	T	T	T	T	T	T	T	T	T	40	30	4		6		12	52
III																A	A	T	T	M	M	M	M	M	M																A	A	T	T	T	T	T	T	T	T	T	T	40	30	4		6		12	52
IV																A	A	T	T	M	M	M																A	A	B	B	B	B	B	B	B	T	T					44	30	4		3	7	4	48
																																																				Total	**162**	**120**	**18**	**2**	**15**	**7**	**42**	**204**

	Theoretical education	M	**Qualification practice**	K	**Introduction of credit education system**	A	**Attestations**	B	**Graduation thesis**	T	**Vacation**

II. CURRICULUM

T/r	Qualification code of science	Names of academic subjects, blocks and types of activities	Student's educational load, in hours									Distribution of credits by course, semester and week								Total credits
			Semesters	Total load capacity	Classroom classes, hours						Independent education	1- cours		2- cours		3- cours		4- cours		
					Total	Lecture	Practical	Laboratory	Seminar	Course work		Number of weeks in courses								
												38		40		40		44		
												Semesters								
												1	2	3	4	5	6	7	8	
												Credit distribution								
												30	30	30	30	30	30	30	30	240
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**
1.00		**Compulsory subjects**		**4170**	**1768**	**628**	**628**	**422**	**90**	**2 ki**	**2402**	**30**	**30**	**19**	**19**	**0**	**5**	**19**	**17**	**139**
1.01.	O‘RT1102	Uzbek (Russian) language	1	**60**	30		30				30	2								**2**
1.02.	XT11205	Foreign language	1,2	**150**	60		60				90	2	3							**5**
1.03.	FIZ1207	Physics	2	**210**	90	30	30	30			120		7							**7**
1.04.	O‘EYT1103	The latest history of Uzbekistan	1	**90**	44	14			30		46	3								**3**
1.05.	FAL1404	Philosophy	4	**120**	60	30			30		60				4					**4**
1.06.	JTS1102	Physical education and sports	1	**60**	30		30				30	2								**2**
1.07.	OMAT11207	Higher mathematics	1,2	**210**	90	30	60				120	4	3							**7**
1.08.	MKG1110	Engineering and computer graphics	1	**300**	120	30	90				180	10								**10**
1.09.	MME1805	Labor protection and ecology	8	**150**	60	30	30				90								5	**5**
1.10.	IMEN1705	Economics and management	7	**150**	60	30	30			ki	90							5		**5**
1.11.	AXT13405	Practical foreign language	3,4	**150**	60		60				90			2	3					**5**

1.12.	MPS1203	Engineering psychology	2	**90**	44	14			30		46		3							**3**
1.13.	AMAT1305	Applied mathematics	3	**150**	60	30	30				90			5						**5**
1.14.	UNK11212	General and inorganic chemistry	1,2	**360**	150	60	30	60			210	7	5							**12**
1.15.	OAK123421	Organic, analytical chemistry	2-4	**630**	270	120	30	120			360		9	7	5					**21**
1.16.	NEQ1305	Nanoelectronics elements and devices	3	**150**	60	30	14	16			90			5						**5**
1.17.	NFM1407	Physical mechanics of nanomaterials	4	**210**	90	30	44	16			120				7					**7**
1.18	YTTMKP167819	Chemical finishing of new fiber textile materials	6-8	**570**	240	90	30	120		ki	330						5	7	7	**19**
1.19.	KA1707	Fundamentals of Qualimetry	7	**210**	90	30	30	30			120							7		**7**
1.20.	YMSTU1805	Methods of structural analysis of new materials	8	**150**	60	30		30			90								5	**5**
2.00		***Elective subjects***		***2670***	***1172***	***584***	***62***	***526***		***2 kl***	***1498***			***9***	***9***	***28***	***25***	***9***	***9***	***89***
2.01	*TT2302*	*History of textiles*	*3*	***60***	*30*	*30*					*30*			***2***						***2***
2.02	*KTYAMICHT2307*	*Production technology of chemical fibers and new materials*	*3*	***210***	*90*	*44*		*46*			*120*			*7*						***7***
2.03	*NSKT2405*	*Nanocellulose chemistry and technology*	*4*	***150***	*60*	*30*		*30*			*90*				*5*					***5***
2.04	*MXYATMT245613*	*Technology of new textile materials with special properties*	*4-6*	***390***	*180*	*90*		*90*		*kl*	*210*				*4*	*5*	*4*			***13***
2.05		Elective subjects	*5*	***210***	*90*	*44*		*46*			*120*					*7*				***7***
2.06		Elective subjects	*5*	***210***	*90*	*30*		*60*			*120*					*7*				***7***
2.07		Elective subjects	*5,6*	***270***	*120*	*60*		*60*			*150*					*4*	*5*			***9***
2.08		Elective subjects	*5-8*	***540***	*240*	*120*	*32*	*90*		*kl*	*298*					*5*	*4*	*5*	*4*	***18***
2.09		Elective subjects	*6*	***150***	*60*	*30*		*30*			*90*						*5*			***5***
2.10		Elective subjects	*6*	***210***	*90*	*46*		*44*			*120*						*7*			***7***
2.11		Elective subjects	*7*	***120***	*60*	*30*	*30*				*60*							*4*		***4***
2.12		Elective subjects	*8*	***150***	*60*	*30*		*30*			*90*								*5*	***5***
		TOTAL		**6840**	**2940**	**1212**	**690**	**948**	**90**	**2 ki 2 kl**	**3900**	**30**	**30**	**28**	**28**	**28**	**30**	**28**	**26**	**228**
		Qualifying practice		**240**										2	2	2		2		**8**
		Graduate thesis		**120**															4	**4**
		TOTAL		**360**										**2**	**2**	**2**		**2**	**4**	**12**
		TOTAL		**7200**								**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**	**240**