Curriculum of BA 60610500 – Computer Engineering (Computer Engineering)

1st semester	2 nd semester	3 rd semester	4 th semester	5 th semester	6 th semester	7 th semester	8 th semester
PRG101	PRG102	DBM201	NWK201	SIP301	MUS301	GIT401	QPR402
Programming	Programming	Database	Computer	Signal and image	Multi-agent	Geoinformation	Qualification
			networks	processing	systems	technologies	Practice 2
1 lectures	1 lectures	2/1 lectures	2/1 lectures	2/1 lectures	1 lectures	2/1 lectures	
2/1 practical	2/1 practical	1 practical	1 practical	1 practical	0/1 practical	1 practical	
sessions	sessions	sessions	sessions	sessions	sessions	sessions	
6 ECTS	6 ECTS	6 ECTS	6 ECTS	6 ECTS	4 ECTS	6 ECTS	6 ECTS
PHY101	PHY 102 Physics I	CSF201 Fundamentals	AIF201 Fundamentals	PCA301 Parallel computer	EBS301 Embedded	Elective Subject	GQW403 Graduation
Physics I	Filysics I	of Cyber	of artificial	architecture and	systems	ITS407/ITS408	Qualification
		Security	intelligence	programming	systems	11510//115100	Work
		, and the second second	Ü	1 0 0			
1 lectures	1 lectures	2/1 lectures	2/1 lectures	2 lectures	2/1 lectures	2/1 lectures	
1 practical	0/1 practical	1 practical	1 practical	1 practical	1 practical	1 practical	
sessions and laboratory	sessions and laboratory	sessions	sessions	sessions	sessions	sessions	
laboratory	laboratory						
6 ECTS	4 ECTS	6 ECTS	6 ECTS	8 ECTS	6 ECTS	6 ECTS	14 ECTS
MTH101	MTH102	DSA201	WAC201	OPS301	IDP301	Elective	Elective
Calculus	Differential	Data structure	Create web	Operating systems	Individual project	Subject	Subject
	equations	and algorithms	applications			ITS409/ITS410	ITS415/ITS416
2/1 lectures	1 lectures	2/1 lectures	2/1 lectures	2/1 lectures	2/1 practical	2/1 lectures	2/1 lectures
1 practical	0/1 practical	1 practical	1 practical	1 practical	sessions	1 practical	1 practical
sessions	sessions	sessions	sessions	sessions		sessions	sessions
6 ECTS	4 ECTS	6 ECTS	6 ECTS	6 ECTS	4 ECTS QPR301	6 ECTS	6 ECTS
AWR101 Academic	MTH103 Discrete	EAC201 Electronics and	MTH204 Probability and	Elective Subject	QPR301 Qualification	Elective Subject	Elective Subject
writing	structures	circuits	statistics	ITS303/ITS304	Practice 1	ITS411/ITS412	ITS417/ITS418
S							
2/1 practical	1 lectures	2/1 lectures	2/1 lectures	2/1 lectures		2/1 lectures	1 lectures
sessions	0/1 practical	1 practical	1 practical	1 practical		1 practical	0/1 practical
	sessions	sessions	sessions	sessions		sessions	sessions
4 ECTS	4 ECTS	6 ECTS	6 ECTS	6 ECTS	6 ECTS	6 ECTS	4 ECTS
FRL101	FRL101	CAO201	Elective Subject	Elective	Elective	Elective	
Foreign	Foreign	Computer	ITS201/ITS202	Subject	Subject	Subject	
language I	language II	organization		GEN301/GEN302	GEN303/GEN304	ITS413/ITS414	
2/1 practical	2/1 practical	2/1 lectures	2/1 lectures	1 lectures	1 lectures	2/1 lectures	
sessions	sessions	1 practical	1 practical	0/1 practical	0/1 practical	1 practical	
		sessions	sessions	sessions	sessions	sessions	
4 Forma	4 Flores	6 Froma	6 Figure	4 Figure	4 Figure	C FLOTTO	
4 ECTS HUM101	4 ECTS HUM102	6 ECTS	6 ECTS	4 ECTS	4 ECTS Elective	6 ECTS	
The newest	Religious				Subject		
History of	studies				ITS305/ITS306		
Uzbekistan					2/1.1		
1 lactures	1 lootumas				2/1 lectures		
1 lectures 1 seminars	1 lectures 1 seminars				1 practical sessions		
1 Jenning 5	Tommars				Sessions		
4 ECTS	4 ECTS				6 ECTS		
	HUM103						
	Philosophy						
	1 lectures						
	1 seminars						
6 22	4 ECTS	5 av	5 av	5 av	4 exams.	5 av	2 av
6 exams	7 exams	5 exams	5 exams	5 exams	4 exams, Course project	5 exams	2 exams, Practice Report,
					Practice Report		State Attestation
30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS
30 EC13	30 LC13	30 LC15			30 LC15	30 LC13	30 LC13
TOTAL: 240 ECTS							

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Subjects included in the curriculum of the educational program is divided into 6 main blocks, which are highlighted in the appropriate color:

Languages
Humanities
General
Humanities
Core

Elective subjects for the Educational program BA 60610500 – Computer Engineering (Computer Engineering)

№	Code 1th subject		2nd subject		
1.	ITS201/ITS202	Application Software Package	Computer architecture		
2.	GEN301/GEN302	Pedagogy. Psychology	Ecology		
3.	GEN303/GEN304	Power supply of information communication systems	Life safety		
4.	ITS303/ITS304	Computer Modeling	3D Technology		
5.	ITS305/ITS306	Data communication	Virtual Reality		
6.	ITS407/ITS408	Analyzing geodata based on Python	Multi-core processor architecture		
7.	ITS409/ITS410	Multimedia Database	Bioinformatics and Biomechanics		
8.	ITS411/ITS412	Cloud Computing	Distributed systems		
9.	ITS413/ITS414	Data Mining	HPC System		
10.	ITS415/ITS416	Big data management	Computer Vision		
11.	ITS417/ITS418	Big data processing technologies and methods	Programming Computer Vision with Raspberry Pi		