







Curriculum of BA 60611000 – Telecommunication technologies (Telecommunications)

1 st semester	2 nd semester	3 rd semester	4 th semester	5 th semester	6 th semester	7 th semester	8 th semester
PRG101 Programming 1 lectures 2/1 practical sessions 6 ECTS	PRG102 Programming 1 lectures 2/1 practical sessions 6 ECTS	EGP201 Engineering graphics 2/1 lectures 1 practical sessions 6 ECTS	MPS201 Microprocessors 2/1 lectures 1 practical sessions 6 ECTS	ICT301 Information coding theory 2/1 lectures 1 practical sessions 6 ECTS	WNW301 Wireless networks 1 lecture 0/1 practical sessions 4 ECTS	MCN401 Multimedia communication networks 2/1 lectures 1 practical sessions 6 ECTS	QPR402 Qualification Practice 2 6 ECTS
PHY101 Physics I 1 lectures 1 practical sessions and laboratory 6 ECTS	PHY102 Physics I 1 lectures 0/1 practical sessions and laboratory 4 ECTS	CSF201 Fundamentals of Cyber Security 2/1 lectures 1 practical sessions 6 ECTS	AIF201 Fundamentals of artificial intelligence 2/1 lectures 1 practical sessions 6 ECTS	OCS301 Optical communication systems 2 lectures 1 practical sessions 8 ECTS	EMS301 Embedded management systems 2/1 lectures 1 practical sessions 6 ECTS	<i>Elective Subject</i> ITS407/ITS408 2/1 lectures 1 practical sessions 6 ECTS	GQW403 Graduation Qualification Work 14 ECTS
MTH101 Calculus 2/1 lectures 1 practical sessions 6 ECTS	MTH102 Differential equations 1 lectures 0/1 practical sessions 4 ECTS	DSA201 Data structure and algorithms 2/1 lectures 1 practical sessions 6 ECTS	EFW201 Electromagnetic fields and waves 2/1 lectures 1 practical sessions 6 ECTS	IPS301 Image processing 2/1 lectures 1 practical sessions 6 ECTS	IDP301 Individual project 2/1 practical sessions 4 ECTS	<i>Elective Subject</i> ITS409/ITS410 2/1 lectures 1 practical sessions 6 ECTS	<i>Elective Subject</i> ITS415/ITS416 2/1 lectures 1 practical sessions 6 ECTS
AWR101 Academic writing 2/1 practical sessions 4 ECTS	MTH103 Discrete structures 1 lectures 0/1 practical sessions 4 ECTS	EAC201 Electronics and circuits I 2/1 lectures 1 practical sessions 6 ECTS	EAC202 Electronics and circuits II 2/1 lectures 1 practical sessions 6 ECTS	<i>Elective Subject</i> ITS303/ITS304 2/1 lectures 1 practical sessions 6 ECTS	QPR301 Qualification Practice 1 6 ECTS	<i>Elective Subject</i> ITS411/ITS412 2/1 lectures 1 practical sessions 6 ECTS	<i>Elective Subject</i> ITS417/ITS418 1 lectures 0/1 practical sessions 4 ECTS
FRL101 Foreign language I 2/1 practical sessions 4 ECTS	FRL101 Foreign language II 2/1 practical sessions 4 ECTS	MTH204 Probability and statistics 2/1 lectures 1 practical sessions 6 ECTS	<i>Elective Subject</i> ITS201/ITS202 2/1 lectures 1 practical sessions 6 ECTS	<i>Elective Subject</i> GEN301/GEN302 1 lectures 0/1 practical sessions 4 ECTS	<i>Elective Subject</i> GEN303/GEN304 1 lectures 0/1 practical sessions 4 ECTS	<i>Elective Subject</i> ITS413/ITS414 2/1 lectures 1 practical sessions 6 ECTS	
HUM101 The newest History of Uzbekistan 1 lectures 1 seminars 4 ECTS	HUM102 Religious studies 1 lectures 1 seminars 4 ECTS				<i>Elective Subject</i> ITS305/ITS306 2/1 lectures 1 practical sessions 6 ECTS		
	HUM103 Philosophy 1 lectures 1 seminars 4 ECTS						
6 exams	7 exams	5 exams	5 exams	5 exams	4 exams, Course project Practice Report	5 exams	2 exams, Practice Report, State Attestation
30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS
TOTAL: 240 ECTS							

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

Languages		General		Math and Science	
Humanities		Fundamental		Core	

**Elective subjects for the Educational program BA 60611000 – Telecommunication technologies
(Telecommunications)**

№	Code	1th subject	2nd subject
1.	ITS201/ITS202	Subscriber Access Networks	Fiber optic communication lines
2.	GEN301/GEN302	Power supply of information communication systems	Life safety
3.	GEN303/GEN304	Pedagogy. Psychology	Ecology
4.	ITS303/ITS304	Data communications	Fundamentals of network programming
5.	ITS305/ITS306	Info-communication systems and networks	Telecommunications Network Management
6.	ITS407/ITS408	Virtual network technologies	Modeling and Simulation of Networks
7.	ITS409/ITS410	Introduction to IMS	Next generation convergence networks
8.	ITS411/ITS412	Network Smart Devices Software	Programming structure in telecommunications
9.	ITS413/ITS414	Switching and routing	Future Networks
10.	ITS415/ITS416	Exploitation and services of telecommunication networks	Multimedia transmission in IT networks
11.	ITS417/ITS418	IoT in Telecommunication networks	Theory of Teletraffic in Communication