

Table 1.3.8.A – Curriculum of BA 60612000 – Info–communication engineering

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	EGS201 Engineering graphics 2/1 lectures 1 practical session 6 ECTS	MPS201 Microprocessors 2/1 lectures 1 practical session 6 ECTS	ICT301 Information coding theory 2/1 lectures 1 practical session 6 ECTS	WNW301 Wireless networks 1 lecture 1/0 practical session 4 ECTS	PRI401 Programming in info communications 2/1 lectures 1 practical session 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	SAS301 Signals and systems 2 lectures 1 practical session 8 ECTS	EMS301 Embedded management systems 2/1 lectures 1 practical session 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	Electromagnetic fields and waves 2/1 lectures 1 practical session 6 ECTS	IMP301 Image processing 2/1 lectures 1 practical session 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	

Table 1.3.8.B – Elective subjects for the Educational program BA 60612000 – Info–communication engineering

N _o	Code	1th subject	2nd subject
1.	ITS201/ITS202	Fundamentals of building info-communication systems and networks	Info-communication technologies

2.	GEN301/GEN302	Pedagogy. Psychology	Ecology
3.	GEN303/GEN304	Power supply of information communication systems	Life safety
4.	ITS303/ITS304	Fundamentals of network programming	Programmable digital devices
5.	ITS305/ITS306	Modeling of Info communication systems	Methods of modeling data transmission networks
6.	ITS407/ITS408	Data communications	Programming structure in telecommunications
7.	ITS409/ITS410	Design of digital devices in signal processors	Design of digital devices in programmable logic integrated circuits
8.	ITS411/ITS412	Machine learning technologies in info-communication systems	Application of machine learning in info-communications
9.	ITS413/ITS414	Telecommunications Network Management	Info-communication systems and networks
10.	ITS415/ITS416	Virtualization of network functions and services	Software configurable network
11.	ITS417/ITS418	Network Smart Devices Software	Info-communication intelligent management systems