

**1. DIPLOM SOHIBI HAQIDA MA'LUMOTLAR /  
INFORMATION ABOUT THE DEGREE HOLDER**

1.1 Familiyasi/Surname  
**XAMIDULLAYEV /  
KHAMIDULLAEV**

1.2 Ismi, otasining ismi/Name, other name  
**ZAFAR XAYRULLA O'G'LI /  
ZAFAR**

1.3 Tug'ilgan sana/Date of birth  
**12.07.2000**

1.4 Talabaning identifikatsion raqami va  
kodi/Student's identification number and code  
**380181101597**

1.5 Avvalgi ta'lim haqida hujjat/Previous education document  
**2015-2018, Toshkent axborot texnologiyalari kasb-hunar kolleji,  
K № 5327326 / 2015-2018, Tashkent professional college of  
information technologies, K № 5327326**

**B00234784**

**2. MALAKASI HAQIDA MA'LUMOTLAR / QUALIFICATION**

2.1 Malakasining (darajasining) nomi, berilgan sanasi/Qualification, date of issue  
**Bakalavr, 30.06.2022 / Bachelor, 30.06.2022**

Davlat attestatsiya komissiyasining qarori/Decision of the State Attestation  
Commission

**30.06.2022**

2.2 Ta'lim yo'nalishi, mutaxassisligi/Field of study, specialization

**5350101 - Telekommunikatsiya texnologiyalari  
(telekommunikatsiyalar) / 5350101 - Telecommunication  
technologies (telecommunications)**

2.3 Kvalifikatsiyasi/Qualification

**Telekommunikatsiyalar muhandisi / Telecommunications  
engineer**

2.4 Diplom bergan oliy ta'lim muassasasining nomi, tashkiliy-huquqiy shakli,  
ta'lim muassasasining turi/Awarding institution

**Muhammad al-Xorazmiy nomidagi Toshkent axborot texnologiyalari universiteti,  
Respublika miqyosidagi davlat Oliy ta'lim muassasasi / Tashkent university of  
information technologies named after Muhammad al-Khwarizmi, Republican  
State Higher Education Institution**

2.5 Avval tahsil olgan oliy ta'lim muassasasining nomi va tashkiliy-huquqiy shakli,  
o'qitish davri/Formal Institution administered studies

(diplomsiz ilova haqiqiy  
hisoblanmaydi/not valid without diploma  
about the degree)

Oliy ta'lim muassasasining rekvizitlari:  
pochta manzili, shahar, ko'cha, uy raqami,  
telefonlari, elektron pochta manzili

**100084, Toshkent shahri, Amir Temur  
ko'chasi 108A e-mail: tuit@tuit.uz**

Requisites of higher education institution:  
postal address, city, street, house number,  
telephone number, e-mail address

**100084, 108A, Amir Temur street,  
Tashkent, Uzbekistan e-mail: tuit@tuit.uz**

2.6 Ta'lim (imtihon) til(lar)i/Language(s) of instruction (examination)

**O'zbek/Uzbek**

### 3. TA'LIM DARAJASI HAQIDA MA'LUMOTLAR / INFORMATION ON THE LEVEL OF EDUCATION

3.1 Ta'lim darajasi/Level of education

Bakalavr / Bachelor

3.2 Ta'limning kunduzgi shakli bo'yicha dasturni o'zlashtirish muddati/Length of full-time programme

4 Yil / 4 Year(s)

3.3 O'qishga kiruvchilarga qo'yiladigan talab(lar)/Admission requirement(s)

Umumiy o'rta (10-11-sinflar negizida), o'rta maxsus, kasb-hunar ma'lumoti to'g'risidagi tegishli hujjatga ega bo'lgan va kirish imtihonlari (test sinovlari)dan muvaffaqiyatli o'tish / Having the documents about general secondary (based on grades 10-11), secondary special and vocational education, and successful passing entrance examinations (tests)

### 4. TA'LIMNING MAZMUNI VA ERISHILGAN NATIJALAR HAQIDA MA'LUMOTLAR / INFORMATION ON THE CONTENTS OF STUDY AND GRADES OBTAINED

4.1 Ta'lim shakli/Type of study

Kunduzgi / Full-time education

4.2 Ta'lim dasturining tavsifi/Curriculum description

5350101-Telekommunikasiya texnologiyalari (telekommunikasiyalar) - fan, texnika, ishlab chiqarish va xizmat ko'rsatish sohasidagi yo'nalish bo'lib, u telekommunikasiya, teleradioeshittirish va mobil tarmoqlarni loyihalash, boshqarish, optik va simsiz ma'lumot uzatish tarmoqlari ekspluatasiya qilish, optik va radiotarmoq strukturasini, topologiyasini tuzish va takomillashtirish bilan bog'liq kompleks masalalar majmuasini qamrab oladi. Yuqorida keltirilgan kasbiy faoliyat sohaslarining ishlab chiqarish jarayonlari, telekommunikasiya tizimlari va ma'lumot uzatish tarmoqlari obyektlarida tarmoq strukturalarini ishlab chiqish va elementlarini qo'llash, marshrutizatorlar, routerlar, switch va kommutasion tugunlar, data-serverlarni ekspluatasiya qilish, tarmoq qurilmalarini diagnostikalash, sozlash, ma'lumotlarni uzatish usullarini takomillashtirish, optik va simsiz tarmoqning uzatish parametrlarini va xarakteristikalarini tadqiq qilish, optimallashtirish, boshqarish tizimlarining apparat va dasturiy ta'minotini ishlab chiqish, tarmoqda mikroprosessorli o'rnatilgan tizimlarni qo'llash va operatsion tizimlar yordamida tarmoqni boshqarish, optik, simli va simsiz tarmoqlarning vaqt xarakteristikalariga ishlov berish kabi kasbiy faoliyat turlari bilan shug'ullanadi. / 5350101-Telecommunication technologies (telecommunications) - a field of science and technology, production and services, it covers a range of complex issues related to the design of telecommunications networks and devices, network programming and management, operation of broadband optical data networks and systems, design and improvement of network structure and topology. Professional activities mentioned above deals with types of professional activities like development and application of structures and elements of telecommunication networks, routers, hubs, switches and nodes, operation of servers, design, diagnostics, improvement of data transmission methods, research of transmission parameters, characteristics and their optimization, development of network management systems, their hardware and software, the use of microprocessor-based systems in the network and the management of the network using operating systems, processing the probability-time characteristics of the network in objects of telecommunication networks and systems, in fiber optic networks and broadband data transmission networks.

## 4.3 Ta'lim dasturini o'zlashtirish natijalari haqida ma'lumotlar/Programme details and grades obtained

T/r	Fan (modul)ning nomi / Name of the course (module)	Soatlarning umumiy miqdori / Total hours in the curriculum	Baholash/Grade (reyting, ball, kredit, baho / rating, score, credit, mark)
1	Algoritmnlarni loyihalash / Design of algorithms	180	146 / 81 / 6 / 4
2	Dasturlash 1 / Programming 1	240	204 / 85 / 8 / 4
3	Dasturlash 2 / Programming 2	240	232 / 97 / 8 / 5
4	Ekologiya / Ecology	120	86 / 72 / 4 / 4
5	Elektronika va sxemalar 1 / Electronics and circuits 1	180	140 / 78 / 6 / 4
6	Elektronika va sxemalar 2 / Electronics and circuits 2	180	128 / 71 / 6 / 4
7	Fizika 1 / Physics 1	120	90 / 75 / 4 / 4
8	Fizika 2 / Physics 2	120	93 / 78 / 4 / 4
9	Hayot faoliyati xavfsizligi / Life safety	120	89 / 74 / 4 / 4
10	IMS ga kirish / Introduction to IMS	180	144 / 80 / 6 / 4
11	Individual loyiha 1 / Individual project 1	60	43 / 72 / 2 / 4
12	Individual loyiha 2 / Individual project 2	60	43 / 72 / 2 / 4
13	Infokommunikatsiya tizimlari va tarmoqlari / Information communication systems and networks	180	142 / 79 / 6 / 4
14	Jismoniy tarbiya / Physical Culture	60	52 / 86 / 2 / 4
15	Kiberxavfsizlik asoslari / Basics of cybersecurity	180	165 / 91 / 6 / 5
16	Kompyuter arxitekturasi / Computer architecture	180	153 / 85 / 6 / 4
17	Kompyuterni tashkil etilishi / Computer organization	180	162 / 90 / 6 / 5
18	Kompyuter tarmoqlari / Computer networks	180	142 / 79 / 6 / 4
19	Ma'lumotlar bazasi / Database	180	159 / 89 / 6 / 4
20	Ma'lumotlar tuzilmasi va algoritmlar / Data structure and algorithms	180	157 / 87 / 6 / 4
21	Matematika 1 / Mathematics 1	240	176 / 74 / 8 / 4
22	Matematika 2 / Mathematics 2	240	191 / 80 / 8 / 4
23	Multimedia aloqa tarmoqlari / Multimedia communication networks	180	153 / 85 / 6 / 4
24	Mutaxassislikka kirish / Introduction to the specialty	60	60 / 100 / 2 / 5
25	Operatsion tizimlar / Operating systems	180	122 / 68 / 6 / 3
26	Optik aloqa tizimlari / Optical communication systems	180	145 / 80 / 6 / 4
27	O'rnatilgan tizimlar / Embedded systems	180	121 / 67 / 6 / 3
28	O'zbekiston tarixi / History of Uzbekistan	120	88 / 73 / 4 / 4
29	Pedagogika. Psixologiya / Pedagogy. Psychology	120	85 / 71 / 4 / 4
30	Raqamli qurilmalarni loyihalashga kirish / Introduction to the design of digital devices	180	126 / 70 / 6 / 4
31	Rus tili 1 / Russian language 1	30	26 / 88 / 1 / 4
32	Rus tili 2 / Russian language 2	30	27 / 92 / 1 / 5
33	Simsiz tarmoqlar / Wireless networks	180	142 / 79 / 6 / 4
34	Sonli usullar va chiziqli dasturlash / Numerical methods and linear programming	180	139 / 77 / 6 / 4
35	Tarmoqni dasturlash asoslari / Programming basis in networking	180	158 / 88 / 6 / 4
36	Tarmoq xavfsizligi / Network security	180	153 / 85 / 6 / 4
37	Telekommunikatsiyada sun'iy intellekt TEE* / Artificial intelligence in telecommunications	180	140 / 78 / 6 / 4
38	Tizimlar va signallarni qayta ishlash / Systems and signal processing	180	133 / 74 / 6 / 4
39	Virtual tarmoq texnologiyalari / Virtual network technology	180	140 / 78 / 6 / 4
40	Web dasturlashga kirish / Introduction to web programming	180	164 / 91 / 6 / 5
41	Xorijiy til 1 (ingliz) / Foreign language 1 (english)	60	47 / 79 / 2 / 4
42	Xorijiy til 2 (ingliz) / Foreign language 2 (english)	60	53 / 88 / 2 / 4
43	Xorijiy til 3 (ingliz) / Foreign language 3 (english)	60	48 / 80 / 2 / 4
44	Xorijiy til 4 (ingliz) / Foreign language 4 (english)	60	59 / 98 / 2 / 5
45	Zamonaviy iqtisodiyot / Modern economics	120	106 / 88 / 4 / 4
46	Bitiruv malakaviy ishi / Graduation qualification work	540	464 / 86 / 18 / 4
	<b>JAMI / TOTAL</b>	<b>7200</b>	<b>5836 / 81.2 / 240 / 4.11 (83)</b>
	<b>Malakaviy amaliyot / Qualification practice</b>		
1	Bitiruv ishi oldi amaliyoti / Pre-graduation work practice	108	84 / 78 / 0 / 4
2	Ishlab chiqarish amaliyoti / Practical Training	216	156 / 72 / 0 / 4

3	O'quv amaliyoti / Educational Practice	216	156 / 72 / 0 / 4
	<b>Bitiruv malakaviy ishi (magistrlik dissertatsiyasi) / Graduation qualification work (master's dissertation)</b>		
1	Bitiruv malakaviy ishi (mavzu) / Graduation qualification work (theme): PON texnologiyasi asosida optik kirish tarmog'ini loyihalashtirish / Designing an optical access network based on PON technology	100	86 / 86 / 18 / 4
2	O'rtacha ball / GPA (Grade Point Average)		4.08

4.4 Oliy ta'lim muassasasida baholash tizimi/Grading system at higher education institution  
ECTS kredit baholash tizimi qo'llanilgan: "a'lo" (90-100 b.), "yaxshi" (70-89.9 b.), "qoniqarli" (60-69.9 b.), "qoniqarsiz" (0-59.9 b.). / The following credit grading system is used: "excellent" (90-100 p.), "good" (70-89.9 p.), "satisfactory" (60-69.9 p.), "unsatisfactory" (0-59.9 p.).

4.5 Diplom haqida qo'shimcha ma'lumotlar/Additional information to the degree  
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## 5. DIPLOM BILAN BERILADIGAN HUQUQ VA IMTIYOZLAR / RIGHTS AND PRIVILEGES PROVIDED BY THE DEGREE

5.1 Ta'limni davom ettirish imkoniyatlari/Access to further study

Mazkur ta'lim yo'nalishi bo'yicha berilgan diplom tegishli va turdosh mutaxassisliklar bo'yicha magistraturada o'qishni davom ettirish imkoniyatini beradi. / A diploma given in this direction of education allows you to continue your studies in the master's degree for the relevant or related specialties

5.2 Kasbga oid huquqiy maqomi/Professional status

Berilgan mutaxassislik ta'lim darajasi va malakaga muvofiq kasbiy faoliyat yuritish (ishga joylashish) huquqini beradi. / Gives the right to carry out professional activity (employment) according to the level of education and qualification by this specialty

## 6. QO'SHIMCHA MA'LUMOTLAR/ADDITIONAL INFORMATION

O'zbekiston Respublikasi Vazirlar Mahkamasi huzuridagi Ta'lim sifatini nazorat qilish davlat inspeksiyasi tomonidan 2017 yil 29 martda berilgan va OT №000093 raqam bilan qayd etilgan Davlat akkreditatsiyasi to'g'risidagi sertifikat / Certificate of state accreditation issued by the State Inspectorate for supervision of quality in education under the Cabinet of Ministers of the Republic of Uzbekistan on March 29, 2017 and registered under the number OT №000093

### IMZO VA MUHR / SIGNATURE AND SEAL

Rektor/Rector

**B. SH. MAXKAMOV**

Diplomga ilova/Diploma supplement  
**B00234784**

Ro'yxat raqami/Registration number  
**4711**

Berilgan vaqti/Date of issue  
**14.07.2022**