

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

1.1 Familiyasi/Surname

**ALIQULOV / ALIKULOV**

1.2 Ismi, otasining ismi/Name, other name

**AZAMAT RO'ZIQUL O'G'LI /  
AZAMAT**

1.3 Tug'ilgan sana/Date of birth

**11.12.1998**

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

**314171200065**

1.5 Avvalgi ta'lim haqida hujjat/Previous education document

**2014-2017, G'allaorol Iqtisodiyot kasb-hunar kolleji, K №  
4573220 / 2014-2017, Gallaorol economy college, K № 4573220**

**B00165002**

## 2. MALAKASI HAQIDA MA'LUMOTLAR / QUALIFICATION

2.1 Malakasining (darajasining) nomi, berilgan sanasi/Qualification, date of issue

**Bakalavr, 28.05.2021 / Bachelor, 28.05.2021**

Davlat attestatsiya komissiyasining qarori/Decision of the State Attestation  
Commission

**28.05.2021**

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

**5330100 - Axborot tizimlarining matematik va dasturiy  
ta'minoti / 5330100 - Mathematical and software support  
of information systems**

2.3 Kvalifikatsiyasi/Qualification

**Axborot tizimlarini ishlab chiquvchi , pedagog /  
Information systems developer, pedagogue**

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

**Mirzo Ulug'bek nomidagi O'zbekiston Milliy universiteti, Respublika  
miqyosidagi davlat Oliy ta'lim muassasasi / National University of Uzbekistan  
named after Mirzo Ulugbek, Republican State Higher Education Institution**

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

**100174, Toshkent shahar, Olmazor  
tumani, Universitet ko'chasi, 4-uy**

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

**4 University street, Almazar district,  
Tashkent, 100174, Uzbekistan**

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

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

Axborot tizimlarining matematik va dasturiy ta'minoti bakalavriat ta'lim yo'nalishi tashkilot korporativ axborot tizimlariga zamonaviy axborot va intellektual tizimlar, axborot logistikasi, axborot auditi hamda ERP-tizimlarini joriy etish, loyihalashtirish, takomillashtirish va hizmat ko'rsatish sohasida professional kadrlarni tayyorlashga yo'naltirilgan. Turli sohalarda axborot texnologiyalarni ishlab chiqadi va qo'llab quvvatlaydi, shuningdek tijoratlashtirish faoliyatida, transport tizimlarida, davlat va mintaqaviy boshqarishida, fan, ta'lim, tibbiyot, ijtimoiy faoliyatda ularni joriy etish vositalarini yaratadi. Infokommunikatsion tizimlar va tashkilot axborot tarmoqlarini ekspluatatsiya qiladi va loyihalaydi. Tashkilot va korxonalarining internet fazosini qo'llab quvvatlaydi va yaratadi, veb saytlarni yaratadi va administratorlik qiladi, internet-marketing va internet-reklamani yo'lga qo'yadi. Ishlab chiqarish va jamoatchilik faoliyatining barcha sohalarida axborot jarayonlari nazariyasi va tizimli tahlildan foydalangan holda axborot jarayonlarini tadqiq etadi. Umumiy o'rta, o'rta maxsus kasb-hunar ta'limi tizimining ta'lim muassasalarida zamonaviy axborot va pedagogik texnologiyalardan foydalanib nazariy hamda amaliy mashg'ulotlarni o'tkazadi. Pedagogik faoliyat sohasida o'z-o'zini muntazam rivojlantirib boradi. Axborot texnologiyalari dasturiy ta'minotlaridan foydalanadi. / The Bachelor's degree program in the Mathematics and Software of Information Systems is aimed at training professional personnel in the field of introduction, design, improvement and provision of services of modern information and communication systems, information logistics, information audit and ERP-systems to corporate information systems of the organization. It develops and supports information technologies in various fields, as well as creates tools for their implementation in commercialization activities, transport systems, state and regional management, science, education, medicine, social activities. Exploits and designs infokommunication systems and organization information networks. It supports and creates the internet space of organizations and enterprises, creates and administers websites, leads internet marketing and internet advertising. It examines Information Processes using information process theory and systematic analysis in all areas of production and public activities. Conducts theoretical and practical classes in educational institutions of general secondary, secondary special vocational education system using modern information and pedagogical technologies. Self-regular development in the field of pedagogical activity. It uses information technology software.

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   | O'zbekiston tarixi / History of Uzbekistan   | 92   | 65.00 / 71.00  |
| 2   | Milliy g'oya: O'zbekistonning rivojlantirish strategiyasi / National Idea: Development Strategy of Uzbekistan            | 62   | 50.00 / 81.00  |
| 3   | Dinshunoslik / Religious studies   | 62   | 50.00 / 80.00  |
| 4   | Fuqarolik jamiyati / Civil society   | 92   | 69.00 / 75.00  |
| 5   | Falsafa / Philosophy   | 124  | 97.00 / 78.00  |
| 6   | Iqtisodiyot nazariyasi / Economic theory   | 60   | 43.00 / 71.00  |
| 7   | O'zbek (rus) tili / Uzbek (Russian) language   | 126  | 90.00 / 71.60  |
| 8   | Xorijiy til / Foreign language   | 303  | 237.00 / 78.21   |
| 9   | Jismoniy madaniyat / Physical culture  | 124  | 91.00 / 73.50  |
| 10  | Kompyuterning fizik asoslari / Basics of computer physics  | 120  | 85.00 / 71.00  |
| 11  | Matematik analiz / Mathematical analysis   | 348  | 273.00 / 78.33   |
| 12  | Diskret matematika va matematik mantiq / Discrete mathematics and mathematical logic                                     | 180  | 130.00 / 72.00   |
| 13  | Algebra va geometriya / Algebra and geometry   | 234  | 185.00 / 79.00   |
| 14  | Relyatsion algebra / Relational algebra  | 192  | 138.00 / 72.00   |
| 15  | Matematik tizimlarda sonli usullar / Numerical methods in mathematical systems   | 124  | 82.00 / 66.00  |
| 16  | Ekologiya / Ecology  | 108  | 80.00 / 74.00  |
| 17  | Ehtimollar nazariyasi va matematik statistika / Probability theory and mathematical statistics                           | 120  | 85.00 / 71.00  |
| 18  | Differensial tenglamalar va matematik fizika tenglamalari / Differential equations and equations of mathematical physics | 192  | 138.00 / 72.00   |
| 19  | Dasturlash tillari / Programming languages   | 184  | 132.00 / 72.00   |
| 20  | Axborot tizimiga kirish / Access to information system   | 184  | 136.00 / 74.00   |
| 21  | Algoritmlar va berilganlar strukturasi / Algorithms and data structure   | 120  | 98.00 / 82.00  |
| 22  | Dasturiy injiniring / Software engineering   | 580  | 451.00 / 77.75   |
| 23  | Axborot tizimlari xavfsizligi / Information systems security   | 174  | 132.00 / 75.77   |
| 24  | Taksimlangan tizimlar / Distributed systems  | 92   | 68.00 / 74.00  |
| 25  | Berilganlar bazasini boshqarish tizimlari / Database management systems  | 448  | 333.00 / 74.28   |
| 26  | Intelektual axborot tizimlari / Intelligent information systems  | 120  | 89.00 / 74.00  |
| 27  | Axborot tizimlari bo'yicha praktikum / Workshop on information systems   | 504  | 410.00 / 81.27   |
| 28  | Operatsion tizimlar / Operating systems  | 157  | 91.00 / 58.00  |
| 29  | Axborot tizimlari arxitekturasini / Information systems architecture   | 118  | 84.00 / 71.00  |
| 30  | Mobil ilovalarni yaratish / Creating mobile applications   | 107  | 94.00 / 88.00  |
| 31  | Kompyuter o'yinlarini yaratish / Creating computer games   | 107  | 59.00 / 55.00  |
| 32  | Tizimlarni taxlil qilish va modelini qurish / Systems analysis and model building  | 198  | 149.00 / 75.00   |
| 33  | IT-loyixalarini boshqarish / IT project management   | 136  | 102.00 / 75.00   |
| 34  | MRP/ERP-tizimlar / MRP / ERP systems   | 136  | 116.00 / 85.00   |
| 35  | Elektron hujjat aylanish tizimlari / Electronic document management systems  | 125  | 99.00 / 79.00  |
| 36  | O'quv jarayonini boshqarishda axborot tizimlari / Information systems in the management of the educational process       | 125  | 108.00 / 86.00   |
| 37  | ASP.NET Core texnologiyasi / ASP.NET Core technology   | 94   | 82.00 / 87.00  |
| 38  | Python dasturlash tili / Python programming language   | 166  | 136.00 / 82.00   |
| 39  | Blokcheyn texnologiyalari / Blockchain technologies  | 62   | 46.00 / 74.00  |
| 40  | Harbiy (tibbiy) tayyorgarlik / Military (medical) training   | 228  | 187.00 / 82.00   |
| 41  | Hayot faoliyati xavfsizligi / Life safety  | 74   | 61.00 / 82.00  |
| 42  | Web dizayn / Web design  | 148  | 128.00 / 86.50   |
|     | <b>JAMI / TOTAL</b>  | <b>7050</b>  | <b>5379.00 / 75.84</b>   |
|     | <b>Kurs ishlari / Course papers</b>  |  |  |
| 1   | Axborot tizimiga kirish (kurs ishi) / Access to information system (course work)   |  | 71.00 / 71.00  |
| 2   | Dasturiy injiniring (kurs ishi) / Software engineering (course work)   |  | 78.00 / 78.00  |
| 3   | Tizimlarni taxlil qilish va modelini qurish (kurs ishi) / Systems analysis and model building (course work)              |  | 76.00 / 76.00  |
|     | <b>Malakaviy amaliyot / Qualification practice</b>   |  |  |
| 1   | Malakaviy amaliyot 1 / Qualification practice 1  | 72   | 54.00 / 75.00  |
| 2   | Malakaviy amaliyot 2 / Qualification practice 2  | 144  | 111.00 / 77.00   |

|   |  |     |                |
|---|--|-----|----------------|
| 3 | Malakaviy amaliyot 3 / Qualification practice 3  | 144 | 96.00 / 67.00  |
| 4 | Ishlab chiqarish amaliyoti / Production practice   | 612 | 502.00 / 82.00 |
|   | <b>Yakuniy davlat attestatsiyalari / Final state attestation</b>                                       |     |                |
| 1 | Yakuniy davlat attestatsiyasi (mutaxassislik fanlari) / Final state certification (specialty subjects) | 324 | 207.00 / 64.00 |

#### 4.4 Oliy ta'lim muassasasida baholash tizimi/Grading system at higher education institution

O'zbekiston Respublikasi Oliy va o'rta maxsus ta'lim vazirligining 2009 yil 11 iyundagi 204-sonli buyrug'i bilan tasdiqlangan (Adliya vazirligi tomonidan 2009-yil 10-iyulda 1981-raqam bilan ro'yxatdan o'tkazilgan) "Oliy ta'lim muassasalarida talabalar bilimni nazorat qilish va baholashning reyting tizimi to'g'risida Nizom"ga asosan talabalar bilimni baholash amalga oshiriladi. / According to the "Regulations on the rating system of control and evaluation of student knowledge in higher education institutions", approved by the order of the Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan dated June 11, 2009 No 204 (Registered by the Ministry of Justice on July 10, 2009 No 1981) assessment of student knowledge is carried out.

#### 4.5 Diplom haqida qo'shimcha ma'lumotlar/Additional information to the degree

### 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

2021 yil 8 iyuldagi OT № 5000041 seriyali O'zbekiston Milliy universitetining davlat akkreditatsiyasi haqidagi guvohnomasi / Certificate of State Accreditation of National University of Uzbekistan, series OT № 5000041, July 8, 2021

#### IMZO VA MUHR / SIGNATURE AND SEAL

Rektor/Rector

**I.U.MADJIDOV**

Diplomga ilova/Diploma supplement  
**B00165002**

Ro'yxat raqami/Registration number  
**42082**

Berilgan vaqti/Date of issue  
**19.07.2021**