

O'ZBEKISTON RESPUBLIKASI OLIY TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI
MIRZO ULUG'BEK NOMIDAGI SAMARQAND DAVLAT ARXITEKTURA QURILISH UNIVERSITETI



ISHCHI O'QUV REJA
 Ta'lim yo'nalishi:
60112400 - Professional ta'lim
(Muhandislik kommunikatsiyalari)
Professional education
(engineering communications)

Akademik daraja – BAKALAVR
 O'qish muddati - 4 yil
 Ta'lim shakli – kunduzgi
 2024-2025 o'quv yili 2-kurs

1-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------------------|-----------|----------------------------------------------------|---------------------------------------------------|-----------|----------|----------|-----------|
| FIZ1010 | | Fizika 1 | Physics 1 | 3 | 0 | 2 | 5 |
| GUM4005 | | Jismoniy tarbiya va ruhiy salomatlik 1 | Exercise and mental health 1 | 0 | 2 | 0 | 0 |
| KIM1040 | | Umumiy kimyo | General chemistry | 3 | 0 | 2 | 5 |
| KTA1140 | | Ta'limga kirish | Introduction to education | 2 | 0 | 0 | 3 |
| MAS1030 | | Asosiy informatika | Basic computer science | 1 | 2 | 0 | 3 |
| MAS1050 | | Mehanika muhandisligiga va axloqshunoslikka kirish | Introduction to mechanical engineering and ethics | 2 | 0 | 0 | 3 |
| MAT1030 | | Matematika 1 | Mathematics 1 | 3 | 2 | 0 | 6 |
| ZAD1010 | | Ingliz tili I | English I | 3 | 0 | 0 | 3 |
| OZDX001 | | O'zbek tili | Uzbek language | 2 | 0 | 0 | 2 |
| Jami semestr | | | Semester Total | 19 | 6 | 4 | 30 |

1. Year - Spring Semester

1. Kurs - Bahorgi Semestr

2-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------------------|-----------|-----------------------------------------|----------------------------------|-----------|----------|----------|-----------|
| FIZ1020 | | Fizika 2 | Physics 2 | 3 | 0 | 2 | 5 |
| GUM4015 | | Jismoniy tarbiya va ruhiy salomatlik 2 | Exercise and mental health 2 | 0 | 2 | 0 | 0 |
| MAS1010 | | Kompyuter yordamida texnik rasm chizish | Computer aided technical drawing | 2 | 2 | 0 | 5 |
| MAS1040 | | Dasturlash | Programming | 1 | 0 | 2 | 2 |
| MAS1060 | | Statika | Statics | 3 | 0 | 0 | 4 |
| MAT1040 | | Matematika 2 | Mathematics 2 | 3 | 2 | 0 | 6 |
| ZAD1020 | | Ingliz tili II | English II | 3 | 0 | 0 | 3 |
| KTA2112 | | Kasbiy tanlov – 1-1 | Occupational elective – 1-1 | 2 | 0 | 0 | 3 |
| OZDX001 | | O'zbek tili | Uzbek language | 2 | 0 | 0 | 2 |
| Jami semestr | | | Semester Total | 19 | 6 | 4 | 30 |

2. Year - Fall Semester

2. Kurs - Kuzgi Semestr

3-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|------------------------------------|-------------------------------------------|----|---|----|---|
| KTA1050 | | O'quv texnologiyalarining asoslari | Foundations of instructional technologies | 2 | 0 | 0 | 3 |
| KTA1090 | | Ta'lim sotsiologiyasi | Educational sociology | 2 | 0 | 0 | 3 |
| KTA1100 | | Ta'lim falsafasi | Phylosophy of education | 2 | 0 | 0 | 3 |
| KTA1120 | | Ta'lim psixologiyasi | Psychology of education | 2 | 0 | 0 | 3 |
| MAS2010 | | O'lchash texnikasi va baholash | Measurement techniques and evaluation | 2 | 0 | 0 | 3 |
| MAS2020 | | Materialshunoslik | Materials science | 3 | 0 | 0 | 4 |
| MAS2040 | | Materiallar mustahkamligi 1 | Strength of materials 1 | 3 | 0 | 0 | 4 |
| MAS2080 | | Suyuqlik mexanikasi 1 | Fluid mechanics 1 | 3 | 0 | 0 | 4 |
| ITFX001 | | Ijtimoiy tanlov 1-1 | Social elective 1-1 | 3 | 0 | 0 | 3 |

| | | | | | | |
|--|---------------------|-----------------------|-----------|----------|----------|-----------|
| | Jami semestr | Semester Total | 22 | 0 | 0 | 30 |
|--|---------------------|-----------------------|-----------|----------|----------|-----------|

2. Year - Spring Semester

2. Kurs - Bahorgi Semestr

4-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|---------------------------------|-------------------------------------|-----------|----------|----------|-----------|
| KTA2092 | | Kirish printsiplari va usullari | Introduction principles and methods | 2 | 0 | 0 | 3 |
| MAS2050 | | Termodinamika 1 | Thermodynamics 1 | 3 | 0 | 0 | 4 |
| MAS2120 | | Muhandislik statistikasi | Statistics in engineering | 2 | 0 | 0 | 4 |
| MAS2130 | | Sanoat materiallari | Industrial materials | 2 | 0 | 0 | 3 |
| MAS2150 | | Materiallar mustahkamligi 2 | Strength of materials 2 | 2 | 0 | 0 | 3 |
| ITFX001 | | Ijtimoiy tanlov | Social elective | 3 | 0 | 0 | 3 |
| KTAX001 | | Kasbiy tanlov – 1-2 | Occupational elective – 1-2 | 4 | 0 | 0 | 4 |
| MASX002 | | Kasbiy tanlov – 2-1 | Occupational elective – 2-1 | 2 | 0 | 0 | 3 |
| MASX002 | | Kasbiy tanlov – 2-2 | Occupational elective – 2-2 | 2 | 0 | 0 | 3 |
| | | Jami semestr | Semester Total | 22 | 0 | 0 | 30 |

3. Year - Fall Semester

3. Kurs - Kuzgi Semestr

5-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|-------------------------------|----------------------------------|-----------|----------|----------|-----------|
| KTA2096 | | Ta'limda tadqiqot usullari | Research Methods in Education | 2 | 0 | 0 | 3 |
| KTA2148 | | Tanqidiy va analitik fikrlash | Critical and Analytical Thinking | 2 | 0 | 0 | 4 |
| KTA3070 | | Sinfni boshqarish | Classroom Management | 2 | 0 | 0 | 3 |
| MAS2150 | | Dinamika | Dynamics | 3 | 0 | 0 | 5 |
| OZT1010 | | O'zbekiston tarixi 1 | History of uzbekistan 1 | 2 | 0 | 0 | 2 |
| KTAX001 | | Kasbiy tanlov – 1-3 | Occupational elective – 1-3 | 4 | 0 | 0 | 4 |
| MASX002 | | Kasbiy tanlov – 2-3 | Occupational elective – 2-3 | 2 | 0 | 0 | 3 |
| MASX002 | | Kasbiy tanlov – 2-4 | Occupational elective – 2-4 | 2 | 0 | 0 | 3 |
| MASX002 | | Kasbiy tanlov – 2-5 | Occupational elective – 2-5 | 2 | 0 | 0 | 3 |
| | | Jami semestr | Semester Total | 21 | 0 | 0 | 30 |

3. Year - Spring Semester

3. Kurs - Bahorgi Semestr

6-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|-----------------------------------------------------|--------------------------------------|-----------|----------|----------|-----------|
| GUM3200 | | Falsafaga kirish | Introduction to philosophy | 2 | 0 | 0 | 2 |
| KTA2052 | | O'quv dizayni | Instructional design | 3 | 0 | 0 | 4 |
| KTA2144 | | Ta'lim tarixi | Education history | 2 | 0 | 0 | 4 |
| KTA4030 | | Texnologiyalarni rejalashtirish va hujjatlashtirish | Technology planning and applications | 2 | 0 | 0 | 4 |
| MAS2110 | | Termodinamika 2 | Thermodynamics 2 | 2 | 0 | 0 | 3 |
| KTAX001 | | Kasbiy tanlov – 1-3 | Occupational elective – 1-3 | 2 | 0 | 0 | 4 |
| MASX002 | | Kasbiy tanlov – 2-6 | Occupational elective – 2-6 | 2 | 0 | 0 | 3 |
| MASX003 | | Kasbiy tanlov – 3-1 | Occupational elective – 3-1 | 2 | 0 | 0 | 3 |
| MASX003 | | Kasbiy tanlov – 3-2 | Occupational elective – 3-2 | 2 | 0 | 0 | 3 |
| | | Jami semestr | Semester Total | 19 | 0 | 0 | 30 |

4. Year - Fall Semester

4. Kurs - Kuzgi Semestr

7-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------------------|-----------|-----------------------------------|-----------------------------------------|-----------|----------|----------|-----------|
| KTA2184 | | Barqaror rivojlanish va ta'lim | Sustainable development and education | 2 | 0 | 0 | 4 |
| KTA3050 | | Ochiq va masofaviy o'qitish | Open and distance learning | 4 | 0 | 0 | 3 |
| KTA3080 | | Ta'lim sohasidagi axloq va etika | Morality and ethics in education | 2 | 0 | 0 | 3 |
| KTA3090 | | Ta'limni o'lchash va baholash | Measurement and evaluation in education | 2 | 0 | 0 | 3 |
| MAS3190 | | Issiqlikni o'tkazish 1 | Heat transfer 1 | 4 | 0 | 0 | 4 |
| MAS4300 | | Kasbiy salomatlik va xavfsizlik 1 | Occupational health and safety 1 | 2 | 0 | 0 | 4 |
| MASX003 | | Kasbiy tanlov – 3-3 | Occupational elective - 3 | 2 | 0 | 0 | 3 |
| MASX004 | | Kasbiy tanlov – 4-1 | Occupational elective – 4-1 | 2 | 0 | 0 | 3 |
| MASX004 | | Kasbiy tanlov – 4-2 | Occupational elective – 4-2 | 2 | 0 | 0 | 3 |
| Jami semestr | | | Semester Total | 22 | 0 | 0 | 30 |

4. Year - Spring Semester

4. Kurs - Bahorgi Semestr

8-Semestrda auditoriya mashg'ulotlari haftalarining soni (15-hafta)

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------------------|-----------|-----------------------------------|----------------------------------|------------|-----------|----------|------------|
| KTA4050 | | O'qitish amaliyoti 1 | Teaching Practice 1 | 2 | 6 | 0 | 10 |
| KTA4070 | | Kasb hunar maktablarida rahbarlik | Guidance at Schools | 2 | 0 | 0 | 3 |
| MAS4310 | | Kasbiy salomatlik va xavfsizlik 2 | Occupational Health and Safety 2 | 2 | 0 | 0 | 2 |
| ITFX001 | | Ijtimoiy Tanlov | Social Elective | 3 | 0 | 0 | 3 |
| MASX003 | | Kasbiy Tanlov – 3-4 | Occupational Elective – 3-4 | 2 | 0 | 0 | 3 |
| MASX004 | | Kasbiy Tanlov – 4-3 | Occupational Elective – 4-3 | 2 | 0 | 0 | 3 |
| MASX004 | | Kasbiy Tanlov – 4-4 | Occupational Elective – 4-4 | 2 | 0 | 0 | 3 |
| MASX004 | | Kasbiy Tanlov – 4-5 | Occupational Elective – 4-5 | 2 | 0 | 0 | 3 |
| Jami semestr | | | Semester Total | 17 | 6 | 0 | 30 |
| Jami | | | Total | 161 | 18 | 8 | 240 |

**Uzbek Language
O'zbek Tili**

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|------------------------------------------------|----------------------------------------|----|---|----|---|
| OZD1010 | | O'zbek tili 1 | Uzbek language 1 | 2 | 0 | 0 | 2 |
| OZD1020 | | O'zbek tili 2 | Uzbek language 2 | 2 | 0 | 0 | 2 |
| OZD2210 | | O'zbek tilini o'qitish bo'yicha adabiy matnlar | Uzbek language teaching literary texts | 2 | 0 | 0 | 2 |
| OZD2230 | | O'zbek tili tarixi | Uzbek language history | 2 | 0 | 0 | 2 |
| OZD2240 | | Amaliy san'at | The art of applied | 2 | 0 | 0 | 2 |
| OZD4030 | | Notiqlik va diksiya | Oratory and Diction | 2 | 0 | 0 | 2 |
| OZD4040 | | O'zbek hikoyasi va roman | Uzbek story and novel | 2 | 0 | 0 | 2 |
| KNM 1 | | Kasbiy nutq madaniyati | Professional speech culture | 2 | 0 | 0 | 2 |
| OZD4050 | | Akademik o'zbek tili | Academic uzbek | 2 | 0 | 0 | 2 |

Occupational Elective – 1

Kasbiy Tanlov - 1

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|------------------------------------------------|----------------------------------------------|----|---|----|---|
| KTA2112 | | Ta'lim antropologiyasi | Anthropology of Education | 2 | 0 | 0 | 4 |
| KTA2116 | | Ta'lim bo'yicha drama | Drama in Education | 2 | 0 | 0 | 4 |
| KTA2120 | | Ta'limda o'quv dasturlarini ishlab chiqish | Curriculum Development in Education | 2 | 0 | 0 | 4 |
| KTA2124 | | Xarakter va qadriyatlar | Character and Values Education | 2 | 0 | 0 | 4 |
| KTA2128 | | Qiyosiy ta'lim | Comparative Education | 2 | 0 | 0 | 4 |
| KTA2156 | | Mikro darslik | Micro Teaching | 2 | 0 | 0 | 4 |
| KTA2164 | | Ta'lim berish va o'qitishni moslashtirish | Individualization and Adaptation of Teaching | 2 | 0 | 0 | 4 |
| KTA2168 | | Ta'lim bo'yicha loyihani tayyorlash | Preparing Project in Education | 2 | 0 | 0 | 4 |
| KTA2176 | | Ta'lim to'g'risidagi qonun | Education Law | 2 | 0 | 0 | 4 |
| KTA2180 | | Ta'limda darsdan tashqari mashg'ulotlar | Extracurricular Activities in Education | 2 | 0 | 0 | 4 |
| KTA2188 | | Inklyuziv ta'lim | Inclusive Education | 2 | 0 | 0 | 4 |
| MAS3050 | | Analitik mexanika | Analytical mechanics | 2 | 0 | 0 | 4 |
| MAS3260 | | Qattiq modellash va tez prototiping | Solid modeling and rapid prototyping | 2 | 0 | 0 | 4 |
| MAS3400 | | Mashinasozlik sohasidagi materiallarni tanlash | Material selection in mechanical engineering | 2 | 0 | 0 | 4 |

Occupational Elective – 2

Kasbiy Tanlov - 2

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|----------------------------------------|--------------------------------|----|---|----|---|
| MAS3080 | | Energetika iqtisodiyoti 1 | Energy economy 1 | 2 | 0 | 0 | 3 |
| MAS3090 | | Energiya tizimlarida optimallashtirish | Optimization in energy systems | 2 | 0 | 0 | 3 |
| MAS3120 | | Sanitariya qurilmalari | Sanitary installations | 2 | 0 | 0 | 3 |
| MAS3140 | | Gaz inshootlari | Gas installations | 2 | 0 | 0 | 3 |
| MAS3160 | | Sovutish texnikasi | Refrigeration techniques | 2 | 0 | 0 | 3 |
| MAS3570 | | Ilg'or termodinamika | Advanced thermodynamics | 2 | 0 | 0 | 3 |

Occupational Elective - 3

Kasbiy Tanlov - 3

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|---------------------------------------|-----------------------------------|----|---|----|---|
| MAS3240 | | Gidrotexnik mashinalar | Hydraulic machinery | 2 | 0 | 0 | 3 |
| MAS3370 | | Issiqlik almashtirgichlari | Heat exchangers | 2 | 0 | 0 | 3 |
| MAS3440 | | Muhandislikda loyihani boshqarish | Project management in engineering | 2 | 0 | 0 | 3 |
| MAS3530 | | Issiqlikni o'tkazish 2 | Heat transfer 2 | 2 | 0 | 0 | 3 |
| MAS3540 | | Isitish va shamollatish | Heating and ventilation | 2 | 0 | 0 | 3 |
| MAS3550 | | Qayta tiklanadigan energiya tizimlari | Renewable energy systems | 2 | 0 | 0 | 3 |

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|---------|--|---------------------------|------------------|---|---|---|---|
| MAS3560 | | Energetika iqtisodiyoti 2 | Energy economy 2 | 2 | 0 | 0 | 3 |
| MAS3170 | | Suyuqlik mexanikasi | Fluid mechanics | 2 | 0 | 0 | 3 |

Occupational Elective – 4
Kasbiy Tanlov - 4

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|---------|-----------|-------------------------------------|-----------------------------------|----|---|----|---|
| MAS4190 | | Quyosh energiyasi texnologiyalari 1 | Solar energy technologies 1 | 2 | 0 | 0 | 3 |
| MAS4250 | | Gidravlik va pnevmatika tizimlari | Hydraulics and pneumatics systems | 2 | 0 | 0 | 3 |
| MAS4280 | | Gaz turbinalari | Gas turbines | 2 | 0 | 0 | 3 |
| MAS4510 | | Energiya menejmenti 1 | Energy management 1 | 2 | 0 | 0 | 3 |
| MAS4570 | | Yong'in dinamikasi va xavfsizligi | Fire dynamics and safety | 2 | 0 | 0 | 3 |
| MAS4670 | | Bug 'qozonxonalari | Steam boilers | 2 | 0 | 0 | 3 |
| MAS4690 | | Turbo mashinasozlik qurilishi | Construction of turbo machinery | 2 | 0 | 0 | 3 |

Social Elective

Ijtimoiy Tanlov

| Kod | Old Shart | Fan | Course | Le | A | La | K |
|----------|-----------|---------------------------------------------------------------|-------------------------------------------------------------------|----|---|----|---|
| YTO'RK 1 | | Yangi tahrirdagi O'zbekiston Respublikasining Konstitutsiyasi | The new version of the Constitution of the Republic of Uzbekistan | 3 | 0 | 0 | 3 |
| YI 1 | | Yashil iqtisodiyot | Green economy | 3 | 0 | 0 | 3 |
| DI | | Dinshunoslik | Religious studies | 3 | 0 | 0 | 3 |
| RI | | Rus tili | Russian language | 3 | 0 | 0 | 3 |
| ARX2150 | | Arxeologiya | Archeology | 3 | 0 | 0 | 3 |
| ARX2160 | | Arxitektura tarixi | History of Architecture | 3 | 0 | 0 | 3 |
| BIZ2160 | | Logistika menejmenti asoslari | Fundamentals of Logistics Management | 3 | 0 | 0 | 3 |
| BIZ2180 | | Bevosita marketing | Direct Marketing | 3 | 0 | 0 | 3 |
| GEO2160 | | Geomatika muhandisligi fanining tarixi | History of Geomatic Engineering Science | 3 | 0 | 0 | 3 |
| GRA4090 | | Eksperimental tipografiya | Experimental Typography | 3 | 0 | 0 | 3 |
| GUM1060 | | Fotosuratning texnikasi | Techniques Of Photography | 3 | 0 | 0 | 3 |
| GUM2152 | | Ilmiy tarix | History of Science | 3 | 0 | 0 | 3 |
| GUM2500 | | Maxsus ta'lim | Special Education | 3 | 0 | 0 | 3 |
| GUM3196 | | Sotsiologiya | Sociology | 3 | 0 | 0 | 3 |
| GUM3200 | | Falsafaga kirish | Introduction to Philosophy | 3 | 0 | 0 | 3 |
| GUM3204 | | San'at tarixi va arxitekturaga kirish | Introduction to History of Art and Architecture | 3 | 0 | 0 | 3 |
| GUM3208 | | Arxeologiya | Archeology | 3 | 0 | 0 | 3 |
| GUM3212 | | Arxitektura tarixi | History of Architecture | 3 | 0 | 0 | 3 |
| GUM3224 | | Logistika menejmenti asoslari | Fundamentals of Logistics Management | 3 | 0 | 0 | 3 |
| GUM3228 | | Bevosita marketing | Direct Marketing | 3 | 0 | 0 | 3 |
| GUM3240 | | Eksperimental tipografiya | Experimental Typography | 3 | 0 | 0 | 3 |
| GUM4010 | | Maxsus ta'lim | Special Education | 3 | 0 | 0 | 3 |
| KTA2104 | | Falsafaga kirish | Introduction to Philosophy | 3 | 0 | 0 | 3 |
| OZD2210 | | Psixologiyaga kirish | Introduction to Psychology | 3 | 0 | 0 | 3 |
| OZD2230 | | Madaniy tadqiqotlar va o'ziga xoslik | Cultural Studies and Identity | 3 | 0 | 0 | 3 |
| OZD4020 | | Atrof muhit va ekologiya | Environment and Ecology | 3 | 0 | 0 | 3 |
| OZD4030 | | San'at tarixi | History of Art | 3 | 0 | 0 | 3 |
| OZD4040 | | Madaniyatlar tarixi | History of Civilizations | 3 | 0 | 0 | 3 |
| OZD4050 | | Inson huquqlari | Human Rights | 3 | 0 | 0 | 3 |

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|---------|--|-------------------------------------|----------------------------------------|---|---|---|---|
| SAN2100 | | Siyosiy falsafa | Political Philosophy | 3 | 0 | 0 | 3 |
| SAN3040 | | Ta'lim falsafasi | Philosophy of Education | 3 | 0 | 0 | 3 |
| TMF4382 | | Yozish texnologiyasi | Technics Of Writing | 3 | 0 | 0 | 3 |
| ZAD4020 | | Arxitektura tarixi | History of Architecture | 3 | 0 | 0 | 3 |
| ZAD4030 | | Fan tarixi | History of Science | 3 | 0 | 0 | 3 |
| ZAD4050 | | Ijtimoiy antropologiya | Social anthropology | 3 | 0 | 0 | 3 |
| URB2040 | | Shahar iqtisodiyoti | Urban Economics | 3 | 0 | 0 | 3 |
| ZAD4010 | | Nemis tilidagi ko'nikmalarga kirish | Introduction to German Language Skills | 3 | 0 | 0 | 3 |
| ZAD4020 | | Nemis tili ko'nikmalari | German Language Skills | 3 | 0 | 0 | 3 |
| ZAD4030 | | Ilg'or nemis tili | Advanced German | 3 | 0 | 0 | 3 |
| ZAD4040 | | Nemis tilida o'qish va gapirish | Reading & Speaking in German | 3 | 0 | 0 | 3 |
| ZAD4050 | | Biznes nemis tili | Business German | 3 | 0 | 0 | 3 |

Strategik rivojlantirish bo'yicha
birinchi prorektori
Yoshlar masalalari va ma'naviy-ma'rifiy
ishlar bo'yicha birinchi prorektor
O'quv ishlari bo'yicha prorektor

Talabalar bo'lim boshlig'i

Fakultet dekani







