

**High education institution**

**Master's degree**

| <b>N</b> | <b>İxtisas</b>   | <b>İxtisaslaşma</b>  |
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| 1        | 060407-Management                                      | 1-Management (machine manufacturing)<br>2-Management (quality and risk control in healthcare)<br>3-Strategical management<br>4-Staff management<br>5-Innovation and project management   |
| 2        | 060409-Business administration                         | 1-Business administration<br>2-Exusive administration  |
| 3        | 060509-Computer Science                                | 1-Intellectual systems<br>2-Computer modelling<br>3-Rational-economic methods of optimal management<br>4-System programming<br>5-Program optimization of computing systems and providers<br>6-Security of state information systems<br>7-Data analysis<br>8- Information technology of administration  |
| 4        | 060601- Material science engineering                   | 1-Material science and material technology<br>2-Engineering materials science<br><br>3- Composition materials  |
| 5        | 060605- Mining engineering                             | 1- Enrichment of minerals  |
| 6        | 060608-Electroenergetics                               | 1-Electroenergetics<br>2-Electrical network and systems<br><br>3-Elektric supply   |
| 7        | 060609- Polar engineering                              | 1-Renewable energy sources<br>2-Industrial heat energy   |
| 8        | 060610-Power mechanical engineering                    | 1-Internal combustion engines and their technical operation<br>2-Production of energy machines<br>3-Refrigerating machines and devices   |
| 9        | 060611-Metallurgical engineering                       | 1-Casting production of metals and alloys<br>2-Welding metallurgy, technology and equipment<br>3-Metallurgy and thermal processing of metals<br>4-Metal processing under pressure  |
| 10       | 060612- Mechanical engineering                         | 1-Mechanical engineering technology<br>2-Computer technologies in machine building<br>3-Machines and equipment of casting and welding production<br>4-Integrated and computerized bench systems<br>5-Designing technological complexes   |
| 11       | 060621 -Railway transport and economic engineering     | 1-Railway economy and its operation<br>2-Wagon economy   |
| 12       | 060622-Land transport engineering                      | 1-Traffic organization and safety<br>2-Operation of automobile transport<br>3- Auto technical examination of traffic accidents<br>4-Certification and license of the traffic complex<br>5-Intelligent management of transport operations   |
| 13       | 060623- Logistics and transport management engineering | 1- Organization of urban transport network and transport service<br>2- Logistics and transport management (on road transport)<br>3- International road logistics   |
| 14       | 060624-Device engineering                              | 1- Device engineering technologies   |
| 15       | 060625- Technological machines and equipment           | 1- Lifting machineries and equipment<br>2- Technological machineries and equipment for food catering and trading industries<br>3- Technological machineries and equipment for light manufacturing and household services industries<br>4- Metal cutting machineries and tools<br>5- Machineries and equipment for processing of plastic mass and rubber<br>6- Manufacturing, repair and maintenance of technological machineries and equipment |
| 16       | 060626-Electrical engineering                          | 1-Physics and technologies of cables and conductors<br>2-Electrical devices<br>3-Electric transport (metro transport)<br>4-Optimization and modelling of electricity supply  |

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|    |   | <ul style="list-style-type: none"> <li>5-Automated electro-technological devices and systems</li> <li>6- Electronics and electric devices of vehicles (by types of transport)</li> <li>7- Automation and electric transmission at industrial facilities and technological complexes</li> </ul>   |
| 17 | 060627- Electronics, telecommunications and radio engineering                         | <ul style="list-style-type: none"> <li>1-Radio communication, radio broadcasts and television</li> <li>2-Radio engineering</li> <li>3-Communication nodes and commutator systems</li> <li>4-Electronic and postal communication</li> <li>5-Radioelectronic systems</li> <li>6-Specialized radio communication systems</li> <li>7-Radioelectronic combat technologies</li> <li>8- Management Information technologies</li> <li>9-Multichannel telecommunication systems</li> <li>10-Networks, communication systems and information distribution</li> <li>11- Communication technologies for moving objects</li> <li>12- Information security for telecommunication systems</li> <li>13-Physics and technologies for optical communications</li> <li>14-Extreme high frequency technics and technology</li> <li>15-Power electronics</li> <li>16-Electronic devices and devices</li> <li>17-Industrial electronics</li> </ul> |
| 18 | 060628-Process automating engineering   | <ul style="list-style-type: none"> <li>1-Automated management of energy systems</li> <li>2-Automation and management of technological processes</li> <li>3-Informatics and management in technical systems</li> <li>4-Energy management</li> </ul>   |
| 19 | 060629- Mechatronics and robotics engineering   | <ul style="list-style-type: none"> <li>1-Robots and robotic systems</li> <li>2-Artificial intelligence</li> <li>3-Mechatronics</li> </ul>  |
| 20 | 060630-Mechanical engineering   | <ul style="list-style-type: none"> <li>1-Equipment for liquid and gas transportation</li> <li>2-Tribotechnics</li> <li>3-Theory of machines and mechanisms</li> <li>4-Strength and dynamics of machines</li> <li>5-Hydraulic machines, hydrointimals and hydropneumator</li> <li>6-Dynamics and durability of lifting machines</li> <li>7-Hydromechanic and hydraulic machines</li> <li>8-Mechanical science</li> </ul>  |
| 21 | 060631-Comptur engineering  | <ul style="list-style-type: none"> <li>1-Computer systems and networks</li> <li>2-Designing and manufacturing of computer equipment</li> <li>3-Multiprocessor systems and networks with dynamic architecture</li> <li>4-Computer engineering</li> <li>5-Knowledge acquisition systems</li> <li>6-Computer security</li> </ul>  |
| 22 | 060632- Information technologies and systems engineering                              | <ul style="list-style-type: none"> <li>1- Information protection and security</li> <li>2- Information technologies and telecommunication systems</li> <li>3-Software for applications</li> <li>4-Information systems in management</li> <li>5- Informatics for economics</li> </ul>  |
| 23 | 060642-Food products engineering  | <ul style="list-style-type: none"> <li>1-Food safety</li> <li>2-Technology of bread, pasta, flour confectionery and food concentrates</li> <li>3-Canning technology</li> </ul>   |
| 24 | 060645-Poligraphy engineering   | <ul style="list-style-type: none"> <li>1-Polygraphy machines and automated complexes</li> </ul>  |
| 25 | 060646- Engineering of recycling and recovery technologies                            | <ul style="list-style-type: none"> <li>1-Recycling technology for metallurgical waste</li> <li>2-Technology and equipment for improving the resistance to corrosion and recovering parts of machine and hardware</li> </ul>  |
| 26 | 060647- Metrology, standardization and certification engineering                      | <ul style="list-style-type: none"> <li>1-Metrology and metrological service</li> <li>2-Quality control, diagnostic methods and systems</li> <li>3-Standardization and certification (in the field of mechanical engineering)</li> </ul>  |
| 27 | 060648- Biomedical technology engineering   | <ul style="list-style-type: none"> <li>1-Maintenance biomedical services and radioelectronic devices</li> <li>2- Methods and devices for medical and technical diagnostics</li> </ul>  |
| 28 | 060649-Environmental engineering  | <ul style="list-style-type: none"> <li>1-Environmental protection and efficient use of natural resources</li> <li>2-Protection and reprocessing of natural resources</li> <li>3- Logistics ecology</li> <li>4-Environmental protection in oil and chemical fields</li> </ul>   |
| 29 | 060651-Engineering for emergency situations and protection of lives                   | <ul style="list-style-type: none"> <li>1- Protection of livelihoods</li> </ul>   |
| 30 | 060804- Logistics service (by types of transport)                                     | <ul style="list-style-type: none"> <li>1- Technologies for vehicle maintenance</li> </ul>  |
| 31 | XTM060001-Weapons and technologies for production of weapon systems                   | <ul style="list-style-type: none"> <li>1-Manufacturing technologies for firing, artillery and missile weapons</li> </ul>   |
| 32 | XTM060002- Optotechnics   | <ul style="list-style-type: none"> <li>1-Optic materials, optic-electronic devices and systems</li> </ul>  |
| 33 | XTM060003- Pyrotechnics technologies  | <ul style="list-style-type: none"> <li>1-Technologies for explosive products</li> </ul>  |
| 34 | XTM060004- Development, exploitation and maintenance of multi-channel radio relay and | <ul style="list-style-type: none"> <li>1-Military communication systems</li> </ul>   |

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|    | ground equipment for tropospheric communication                               |  |
| 35 | XTM060005- Design and production of defence products from composite materials | 1-Production of military products from metal-based composite materials |
| 36 | XTM060006-Information security  | 1-Organization of data protection                                      |