What can I do with my major?

Career and Advising Center, «Nazarbayev University», AOE #Office 2043, Block C-2, 64 Turan ave., Astana, 010000, Republic of Kazakhstan

Tel.: +7 (7172) 709016, 694526, 694525

Email: cac@nu.edu.kz, www.cac.nu.edu.kz
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<tr>
<th>Majors</th>
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<td><strong>Economics</strong></td>
<td>Education and Science, FMCG companies, Non-governmental organizations (NGO), Government bodies, Financial holdings, Marketing and sales, Embassies and consulates</td>
<td>Actuary, Administrative service manager, Business professor, Compensation specialist, Economics professor, Employment administrator, Financial analyst, Management consultant, Investment banker, Macro analyst, Auditor, Statistician</td>
<td>National archaeological and paleontological museums of Kazakhstan, Information and Analytical Center, US embassy in Kazakhstan, UK embassy in Kazakhstan, French embassy in Kazakhstan, Canadian embassy, SAR embassy, Schools and universities, Ministries, NGO</td>
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<td><strong>Anthropology</strong></td>
<td>Education and Science, FMCG companies, Non-governmental organizations (NGO), Government bodies, Financial holdings, Marketing and sales, Embassies and consulates</td>
<td>Anthropologist, Archaeologist, Community outreach manager, Employment administrator, Foreign service officer, Government service executives, Paleontologist, Personnel administrator, Training and development specialist, Journalist, Museum Curator, Material Collections Manager</td>
<td>24 News KZ, Language schools, Caspian Media Group, Kazmedia Center, Astana Media Center, Schools and universities, Language schools, US embassy, UK embassy, Ministry of foreign</td>
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<td><strong>Sociology</strong></td>
<td>A general program that focuses on the systematic study of human social institutions and social relationships. Includes instruction in social theory, sociological research methods, social organization and structure, social stratification and hierarchies, dynamics of social change, family structures, social deviance and control, and applications to the study of specific social groups, social institutions, and social problems.</td>
<td>Career/Guidance Counselor, Child support services worker, Clinical sociologist, Fundraising manager, Government service executives, Healthcare social workers, Human resources management consultant, Market research analyst, Museum curator, Public relations manager, Social science research assistants, Sociology professor, Survey researcher, Urban and regional planner</td>
<td>SOS Children’s Villages, USAID, UNDP, UNESCO, Senat, Mazhilis, Ministry of Foreign Affairs, Government bodies, Coca-Cola Kazakhstan, Mars, KPMG, Veritas Brown, National and archaeodological museums of Kazakhstan, Schools and universities, «Damu» Entrepreneurship Development Fund, Information and Analytical Center, Embassies and consulates</td>
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<td><strong>School of Humanities and Social Sciences</strong></td>
<td>A general program that focuses on the systematic study of human beings, their antecedents and related primates, and their cultural behavior and institutions, in comparative perspective. Includes instruction in biological/physical anthropology, primatology, human paleontology and prehistoric archeology, hominid evolution, anthropological linguistics, ethnography, ethnology, ethnography, sociocultural anthropology, research methods, and applications to areas such as medicine, forensic pathology, museum studies, and international affairs.</td>
<td>Archivist, Journalist, Copywriter, Creator, Communications manager, Education policies planner / Language policies planner, Software developer, Human-computer interface developer, Artificial Intelligence systems developer, Foreign-language interpreter, Foreign language translator (written), Foreign service officer, Forensic linguist, Intelligence officer/consultant, Law enforcement officer/consultant, Librarian, Historian Radio and TV commentator, Scientific linguist, Writer/author, Script Writer (TV, film, theatre), Digital Media and writing for the internet, designer of web content, including aspects of technical writing and IT, Director, Dramaturg, Foreign language teacher</td>
<td>Pension funds, KPMG, EY, PwC, Deloitte, Kazakhstan Development Bank, KazKomm, Insurance companies, Universities and colleges (Nazarbayev University, Almaty Management University, Kent NU, etc.), Ministry of finance of RK, Baiterek Venture Fund, Information-Analytical Center, Samruk-Energy, Corporate management department, App ECO, Ministry of National Economy, Kazakhstan Public-Private Partnership Center, National Chamber of Entrepreneurs, Samruk-Kazyna Invest, Central banks, Investment banks, Consulting, McKinsey &amp; Company, IMF, World Bank, UNDP, Procter &amp; Gamble Mass Incorporated, Tengizchevroil</td>
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<tr>
<td><strong>School of Humanities and Social Sciences</strong></td>
<td>A general program that focuses on the systematic study of the production, conservation and allocation of resources in conditions of scarcity, together with the economic processes of price determination and distribution of goods and services. Includes instruction in economic theory, micro- and macroeconomics, comparative economic systems, money and banking systems, international economics, quantitative analytical methods, and applications to specific industries and public policy issues.</td>
<td>Career/Guidance Counselor, Child support services worker, Clinical sociologist, Fundraising manager, Government service executives, Healthcare social workers, Human resources management consultant, Market research analyst, Museum curator, Public relations manager, Social science research assistants, Sociology professor, Survey researcher, Urban and regional planner</td>
<td>SOS Children’s Villages, USAID, UNDP, UNESCO, Senat, Mazhilis, Ministry of Foreign Affairs, Government bodies, Coca-Cola Kazakhstan, Mars, KPMG, Veritas Brown, National and archaeodological museums of Kazakhstan, Schools and universities, «Damu» Entrepreneurship Development Fund, Information and Analytical Center, Embassies and consulates</td>
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<td><strong>Banking, NGO, Finance and audit, Education and science, Funds, Ministries</strong></td>
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<td>Career/Guidance Counselor, Child support services worker, Clinical sociologist, Fundraising manager, Government service executives, Healthcare social workers, Human resources management consultant, Market research analyst, Museum curator, Public relations manager, Social science research assistants, Sociology professor, Survey researcher, Urban and regional planner</td>
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<td>Chemistry</td>
<td>Research and development on natural sciences and engineering (NSE), Hazardous waste management, Agriculture, Animal science, Manufacture of food products and beverages, Medicine (after Medical School).</td>
<td>Researcher, Biological Technician, Biology professor, School Teacher, Agronomist, Animal breeders, Aquaculture Specialist, Veterinarian, Water pollution inspector, Biophysicist, Biochemist, Botanist, Sales representatives (chemicals and drugs market).</td>
<td>National Laboratory Astana (NLA), Santo, National Center for Biotechnology, Institute for Microbiology and Virology, Republican Diagnostic Center, Scientific and Analytical Center 'Biomedpreparat', The Research Institute for Radiation, Medicine and Ecology, Educational Institutions.</td>
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<td>Biological Science</td>
<td>The program is comprised of both theoretical fundamental courses and hands-on laboratory experience in modern areas of biological science and technology. In addition to a solid foundation in sciences, mathematics, programming and modeling, the program brings together complementary key concepts from theory, practice, history, social sciences, communications and the humanities.</td>
<td>Anthropologist, Anti-terrorism intelligence agent, Fund raiser, Foreign service officer, Government service executives, Communications manager, Administrative service manager, Employment administrator, Government service executives, Training and development specialist, Journalist, Analyst.</td>
<td>Ministry of foreign affairs, Embassies and consulates, European Union, UNDR, UNESCO, UNICEF, USAID, 24 News KZ, Language schools, Caspian Media Group, Kazmedia Center, Astana Media Center, Schools and universities, KPMG, Ernst &amp; Young, PwC, Deloitte.</td>
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<td>Political science and international relations</td>
<td>A general program that focuses on the systematic study of political institutions and behavior. Includes instruction in political philosophy, political theory, comparative government and politics, political parties and interest groups, public opinion, political research methods, studies of the government and politics of specific countries, and studies of specific political institutions and processes.</td>
<td>Anthropologist, Anti-terrorism intelligence agent, Fund raiser, Foreign service officer, Government service executives, Communications manager, Administrative service manager, Employment administrator, Government service executives, Training and development specialist, Journalist, Analyst.</td>
<td>Ministry of foreign affairs, Embassies and consulates, European Union, UNDR, UNESCO, UNICEF, USAID, 24 News KZ, Language schools, Caspian Media Group, Kazmedia Center, Astana Media Center, Schools and universities, KPMG, Ernst &amp; Young, PwC, Deloitte.</td>
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<td>Education and science</td>
<td>The curriculum has been designed to provide students with a solid foundation in chemistry, with course offerings that are in line with the best of international standards such as Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry and Biochemistry.</td>
<td>Chemistry Professor, School teacher, Chemist, Pharmacist, Agricultural technician, Biochemist, Food Technologist, Dairy technologists, Industrial Air Pollution Analyst, Perfumer, Soil scientist, Radiation protection engineer, Sales representatives (chemicals and drugs market).</td>
<td>Santo, United Chemical Company LLP, NC KazMunaiGas, Astana Solar LLP, Samruk-Kazyna, Green Energy, Scientific and Analytical Center 'Biomedpreparat', Republican Diagnostic Center, J/V Coca-Cola Almalty Bottlers LLP, Nephriksim LTD, Educational Institutions.</td>
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<td>Within the program the students obtain the tools to develop the underlying technologies and support knowledge necessary for the technological-industrial infrastructure of Kazakhstan and the larger Central Asian region. A career in Physics is exciting because physicists are trained to be natural problem solvers and therefore creativity in scientific thinking is a crucial component.</td>
<td>The broad, experience-based program is designed for students who intend to provide expertise on complex systems and lead organizations in all domains. A hands-on, learning-by-doing approach qualifies students to work on many of the society’s most interesting, important and challenging problems without ignoring the human element and the end-user.</td>
<td>The computer science program draws from the belief that society’s complex problems require sophisticated solutions. With a foundation from the sciences, mathematics, and computing, students are primed to deliver these solutions in fields encumbered with complexity and rapid change. The program’s hands-on, learning-by-doing approach brings value to both professionals and researchers dealing with many of the most challenging problems of today’s world.</td>
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<td>Research and development in natural sciences and engineering (NSE), Astronomy and Space Science, Nuclear Energy, Geophysics and Seismology, Climate and Meteorology, Oil and Gas, Water Resources management, Hazardous waste management, Mining, Finance and Banking, Aerospace and Defense, Telecommunications, Big data, Biotechnology, High-performance computing</td>
<td>Research and development on natural sciences and engineering (NSE), Manufacturing</td>
<td>Research and development in natural sciences and engineering (NSE), Information Technology, Government, Education, Health and Medical Banking, Military, Research and development in engineering and the sciences</td>
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#### Professions

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<tr>
<td>Research scientist, Physics Professor, Biophysicist, Nuclear Engineer, Radiation protection engineer, Petroleum engineer, Quantitative Analyst, Investment Analyst, School teacher, Metallurgist, Data scientist, Software engineer</td>
<td>Electro-Mechanical Technicians, Instrument Technician</td>
<td>Mathematician, Math Professor, School Teacher, Mathematical Technician, Statisticians, Actuary, Budget analyst, Jobs in Accountancy, Finance and Banking (with further professional qualification), Air traffic controller, Controller, Business Consultant</td>
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<td>The program offers a set of core courses and a diverse list of electives in applied mathematics, statistics, and pure mathematics. The students acquire fundamental mathematical knowledge, analytical and logical ability, computational and data management skills and computer software training for pursuing careers in the increasingly digitized modern world job markets.</td>
<td>The broad, experience-based program is designed for students who intend to provide expertise on complex systems and lead organizations in all domains. A hands-on, learning-by-doing approach qualifies students to work on many of the society’s most interesting, important and challenging problems without ignoring the human element and the end-user.</td>
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<td>Research and development on natural sciences and engineering (NSE), Mathematics, Information Technology, Accounting, Bookkeeping and auditing activities, Tax consultancy, Business and management consultancy</td>
<td>Research and development on natural sciences and engineering (NSE), Manufacturing</td>
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### Majors

#### Civil Engineering

A program that generally prepares individuals to apply mathematical, scientific and engineering principles to the design, development and operational evaluation of structural, load-bearing, material moving, transportation, water resource, and material control systems; and environmental safety measures.

- **Industries where the major can be applied:**
  - Aerospace
  - Aviation
  - Biomedicine
  - Civil Construction (incl. roads, bridges and highways)
  - Consulting and audit Education and Science
  - Labor Safety
  - Manufacture Mining
  - Oil and gas Power production
  - Public service Sales and services
  - Ship building Transportation

- **Professions:**
  - Airport Engineer
  - Automotive Engineer
  - Civil Engineer
  - Consultant
  - Cost Estimator
  - Engineering Professor
  - Factory Layout Engineer
  - Hydrologist
  - Irrigation Engineer Project engineer
  - Public Transportation Inspector
  - Sanitary Engineer
  - Service Engineer
  - Soil Engineer
  - Solar Energy Systems Designer
  - Structural Engineer
  - Sustainability Specialists
  - Transportation Engineer
  - Wind Energy Engineer

- **Companies in KZ where the students (graduates) may work:**
  - Almatymetrokurylys, Alprof, Arabtec
  - Consolidated Contractors Limited, Astana Institute of oil and gas
  - BASF Central Asia, BASF
  - Central Asia, Bi Group
  - Daryn Partners, Gojgraadjusted
  - RSE, Highvill
  - Kazakhdsorstroy
  - Kazakhdsorstroy Center for Private Public
  - Partnership, Kazkhavtodor, Kazstroystservice, KVL, Consult, MAG Corporation, MEGaline
  - Construction, Oil Construction Company, PSI
  - Kazstroy, Sembol, Temirzholzhondeu, Tengizchevroil
  - Transrost, Transnor Group, Transvitrinsk, Uralkaros, Vernyi Kapital, Government companies

#### Mechanical Engineering

A program that prepares individuals to apply mathematical, scientific and engineering principles to the design, development and operational evaluation of physical systems used in manufacturing and end-product systems used for specific uses, including machine tools, jigs and other manufacturing equipment, stationary power units and appliances, engines; self-propelled vehicles, housings and containers; hydraulic and electric systems for controlling movement; and the integration of computers and remote control with operating systems.

- **Industries where the major can be applied:**
  - Aerospace
  - Aviation
  - Biomedicine
  - Construction
  - Education and Science
  - Labor Safety
  - Manufacture Mining
  - Oil and gas Power production
  - Public service Sales and services
  - Ship building Transportation

- **Professions:**
  - Aeronautical & Aerospace Engineer
  - Agricultural Engineer
  - Airport Engineer
  - Automotive Engineer
  - Civil Engineer
  - Consultant
  - Cost Estimator
  - Energy Engineer
  - Engineering Professor
  - Environmental Engineer
  - Fuel Cell Engineers
  - HSE Engineer
  - Industrial Designer
  - Industrial Engineer
  - maintenance engineer
  - Materials Engineer
  - Mechanical Engineer
  - Nuclear Engineer
  - Nuclear Fuels Research Engineer
  - Petroleum Engineer
  - Photogrammetrist
  - Product development engineer
  - Product Safety Engineer
  - Project engineer
  - Quality Control Managers
  - R&D engineer
  - Sales Engineers

- **Companies in KZ where the students (graduates) may work:**
  - Air Astana, Aknola
  - Wagon Repair Plant
  - Aktobe plan of oil and gas equipment (AZNO), Asem-ai
  - Astana Institute of petrochemical plant, Azia Arto
  - AT&BM, Belkamit
  - Big 4 companies
  - Borusan Makina, Continental AG, CVL
  - Daewoo Bus Kazakhstan, Demark tools
  - Eurocopter, Ghalam, Hyundai Premium
  - Astana, Kazatomprom, Karghazary sapary
  - Kazalmash, McKinsey & Company
  - Ministry of emergency situations, NCOC, B.V.
  - Paramount Engineering, PSN
  - Kazstroy, Saryarka avtoprom
  - Teplmapro, Tulpar Talgo, Zhetysu Avia
  - Government companies

#### Electrical Engineering

A program that prepares individuals to apply mathematical, scientific and engineering principles to the design, development and operational evaluation of electrical power, electronic, biomedical and communications systems and their components; analysis of problems such as superconductor, wave propagation, energy storage and retrieval, reception, transmission, and amplification of signals.

- **Industries where the major can be applied:**
  - Aerospace
  - Aviation
  - Biomedicine
  - Construction
  - Education and Science
  - Labor Safety
  - Manufacture Mining
  - Oil and gas Power production
  - Public service Sales and services
  - Transportation Communication
  - Medicine
  - Labor safety
  - Power Production

- **Professions:**
  - Consultant
  - Electrical Drafter
  - Electrical Engineer
  - Electro-Mechanical Technicians
  - Electronics Engineer
  - Engineering Professor
  - HSE Engineer
  - Instrument Technician
  - Maintenance Engineer
  - Project engineer
  - Quality Control Managers
  - R&D engineer
  - Sales Engineers

- **Companies in KZ where the students (graduates) may work:**
  - ABB Kazakhstan
  - Air Astana, Alstom
  - Aluminum Kazakhstan, Azia Arto
  - Buran Veritas
  - Elektrovoz Kurastyru Zauty
  - Eltex Alatau, Eurocopter
  - General Electric
  - Ghalam
  - Information and Analytical Center
  - Kazakhdsorstroy
  - Karghazary sapary
  - Kazpromgeophysics
  - Karatrassil
  - ESGC, Oman
  - Maersk Oil
  - Worley Parsons
  - Halliburton
  - PetroKazakhstan
  - Samruk Energy
  - Samruk Green Energy
  - Schlumberger
  - Sembol
  - Smarthouse
  - Tengizchevroil
  - Tulpar Talgo
  - Zavod Elektrokabelei

#### Chemical Engineering

A program that prepares individuals to apply mathematical, scientific and engineering principles to the design, development and operational evaluation of systems employing chemical processes, such as chemical reactors, kinetic systems, electrochemical systems, energy conservation processes, heat and mass transfer systems, and separation processes; and the applied analysis of chemical problems such as corrosion, particle abrasion, energy loss, pollution, and fluid mechanics.

- **Industries where the major can be applied:**
  - Agriculture Consulting and audit Food processing Labor safety
  - Manufacture of mineral fertilizers Medicine
  - Metallurgy
  - Nuclear power production
  - Oil and gas (manufacture, extraction, processing)
  - Pharmaceutical industry
  - Production of goods Public service
  - Sales and services

- **Professions:**
  - Agricultural Engineer
  - Automotive Engineer
  - Biochemist
  - Biomedical Engineer
  - Chemical Engineer
  - Chemist
  - Dairy Technologyist
  - Electronics Engineer
  - Engineering Professor
  - Environmental Engineer
  - Fire Prevention Engineers
  - Industrial Air Pollution Analyst
  - Industrial Waste Inspector
  - Materials Engineer
  - Materials Scientist
  - Nanoequipment Engineering
  - Nuclear Engineer
  - Nuclear Fuels Research Engineer
  - Occupational Safety & Health Inspector
  - Perfumer
  - Petroleum Engineer
  - Physicist
  - Physics Professor
  - Product Safety Engineer
  - Quality Control Managers
  - Radiation Protection Engineer
  - Safety Inspector
  - Sales Engineers

- **Companies in KZ where the students (graduates) may work:**
  - PBB, Big 4 companies
  - PSN
  - Kazstroy, Schlumberger
  - Rauan Nalca, Kazpromgeophysics
  - Petrochemical plant, Kazazzik
  - Astana Institute
  - Petrochemical plant, Kastets, Nephichem hld
  - United Chemical company, Tengizchevroil
  - Marx Oil
  - W. H. Parsons, Halliburton, PetroKazakhstan
  - Oil Products LLP
  - Photon Technology UCC, Kaphosphate Up, Kaphosphate Up
  - Kazmunaygas, Atkobe Munay Gas, Kazmunaygas
  - batters, Emba munay gas, Aktobe plan of chromium compounds, KazAzot
  - UlbaFtorcomplex, Arselor Mittal
  - Temirtau Kazminerals, Phitokhimiya
  - Medremkhoz, Vzvezd
  - Interag Central Asia, Government companies