



# GRADUATE PROSPECTUS 2020

NAZARBAYEV UNIVERSITY

# CONTENTS

## INTRODUCING NU 04

About us	07
Why NU?	10
Campus map	19

## APPLYING TO NU 20

Application overview	22
Online application system	23
Application tests	24
The Minimum Requirements	26
Application timeline	28
International students	30
Students with disabilities	31
Equal opportunities to all	32

## SUPPORT FOR STUDY 48

Zero Year of Master's Program	50
Library and IT Services	51
Physiological Counselling Center	52

## CLUBS & SOCIETIES 54

Student organizations	56
Student government	57
Volunteers	56
Department of Student Affairs	57

## FEES & FUNDING 34

Tuition fees	36
Living costs	38
NU educational grants	38
Discounts	39

## ACCOMMODATION 40

Student housing	42
Residential area	44
Health, safety and environment	46

## LIFE AFTER NU 58

Where our Alumni work?	60
NU Alumni Association	60
Career Advising Center	61

## PROGRAMS 62

Programs (alphabetically)	63
Programs description (alphabetically)	64

# INTRODUCING NAZARBAYEV UNIVERSITY



# ABOUT US

Nazarbayev University is an innovative, autonomous university dedicated to educating and inspiring the next generation of leaders. Our graduates in the fields of science, public administration, and technology are already shaping our world and creating a positive economic growth for our economy.

Instead of restricting your higher education, we promote an academic environment where you are free to follow your passions. We provide the most advanced tools possible to facilitate your research on the world's next big innovation from Nur-Sultan city, Kazakhstan.

Nazarbayev University (NU) was founded by the first President of the Republic of Kazakhstan, Nursultan Nazarbayev in 2010. The University aims to be a world-class research university combining quality education, influential research and visionary innovation. Throughout its history, NU has established values and standards to achieve educational and research excellence, meet both the local and global community's expanding needs and challenges, and prepare graduates ready for the future.

In 2018, NU adopted a new Strategy for 2018-2030. The Strategy intends to prepare the university for change in the age of globalization and technological disruption.

## LEARNING FOR THE FUTURE



# NU MANDATES

## HIGHER EDUCATION REFORM LEADERSHIP

To imbue Kazakhstan's higher education system with global standards and systems, sharing of NU's experience and lessons learned with other universities in Kazakhstan is a high priority.

## ACADEMIC EXCELLENCE

To develop and maintain a culture of academic excellence.

## RESEARCH EXCELLENCE

To develop a faculty-led program of worldclass research and partner with the world's best researchers and research institutions.

## A MODEL FOR CREATING HEALTHCARE SERVICES

To establish an academic healthcare system that will serve as a model for healthcare services throughout Kazakhstan.

## INNOVATION AND TRANSLATION OF RESEARCH INTO PRODUCTION

To become Kazakhstan's main driver of innovation, leading the way for Nur-Sultan city to become a regional innovation hub.



# WHY NU?

## WORLD-CLASS FACULTY

NU places a high premium on faculty excellence and diversity. We are building an internationally competitive researchactive faculty with many winners of awards and members of honorary and professional societies.

Our diverse faculty hails from 56 countries. Top 10 countries of origin are the USA, UK, Canada, Greece, Italy, South Korea, Russia, Australia, Turkey, and India.

NU faculty and teaching community consists of 477 faculty (including 28 postdoctoral scholars) and 82 teaching assistants recruited through an internationally competitive hiring process

## RESEARCH UNIVERSITY

NU is committed to achieving excellence in research, and to ensuring that research contributes to the socio-economic development of Kazakhstan, the region, and the world. According to the NU Strategy 2030, we will continue to develop an enabling ecosystem to build research capacity to tackle global challenges in partnership with government, industry, research centers and other stakeholders.

We are building an institutional research culture starting with our undergraduate students. NU offers its students comprehensive research experience and exposure to research frontiers. With support of our faculty and researchers, students participate in multidisciplinary projects and competitions, publish international research publications and aim to contribute to national and international discourse.

### >2500 PUBLICATIONS

12.6% of publications in the top 10% most cited publications worldwide

### >1100 INTERNATIONAL COLLABORATING INSTITUTIONS

268 research & teaching laboratories

Key research directions:

- Advanced materials, energy & sustainable development
- Anthropology, sociology & history
- Artificial intelligence, robotics & systems
- Biomedicine, neurosciences & healthcare
- Computer engineering & data sciences
- Construction, infrastructure, transport systems & smart cities
- Education
- Eurasian studies
- Finance, markets & governance
- Oil, mining, geosciences & resource management
- Physics & space exploration

# WHY NU?

## MODERN CAMPUS WITH STRONG INFRASTRUCTURE AND FACILITIES

The NU campus is devoted to help students, faculty, and staff experience the full scope of university life. Through a wide range of services and opportunities, we strive to build a thriving community where you can live, study, develop ideas, grow personally and professionally, and enjoy life.

Many daily-life facilities, such as grocery stores, barbershop, laundry, library, sports center and banks are available within the campus.

The residential buildings are connected with the University's main building via the SKYWALK, a contemporary architectural solution shielding the residents from the harsh weather conditions.





# WHY NU?

## INTERNATIONAL ENGAGEMENT

Internationalization for NU goes beyond student and faculty mobility and covers largescale activity related to the University's academic, research and innovation activities. The priorities for internationalization include strengthening strategic partnerships and research collaborations.

### STRATEGIC PARTNERS PARTNERS SUPPORTING NU'S INSTITUTIONAL AND ACADEMIC DEVELOPMENT:

- Cambridge University (UK);
- Colorado School of Mines (USA);
- Duke University (USA);
- Lawrence Berkeley National Laboratory (USA);
- National University of Singapore (Singapore);
- Oak Ridge Associated Universities (USA);
- University of Pennsylvania (USA);
- University of Pittsburgh (USA);
- University of Pittsburgh Medical Center (USA);
- University of Wisconsin-Madison (USA).

### >700 NU STUDENTS

- have had study abroad experience since 201

### ~300 INTERNATIONAL STUDENTS

### ~100 NU STUDENTS

- have attended cultural summer schools abroad since 2016

### NU IS A MEMBER OF GLOBAL AND REGIONAL ASSOCIATIONS:

- International Association of Universities
- Asian Universities Alliance
- University Alliance of the Silk Road



# WHY NU?

## ACCESS TO GLOBAL DIGITAL LIBRARIES

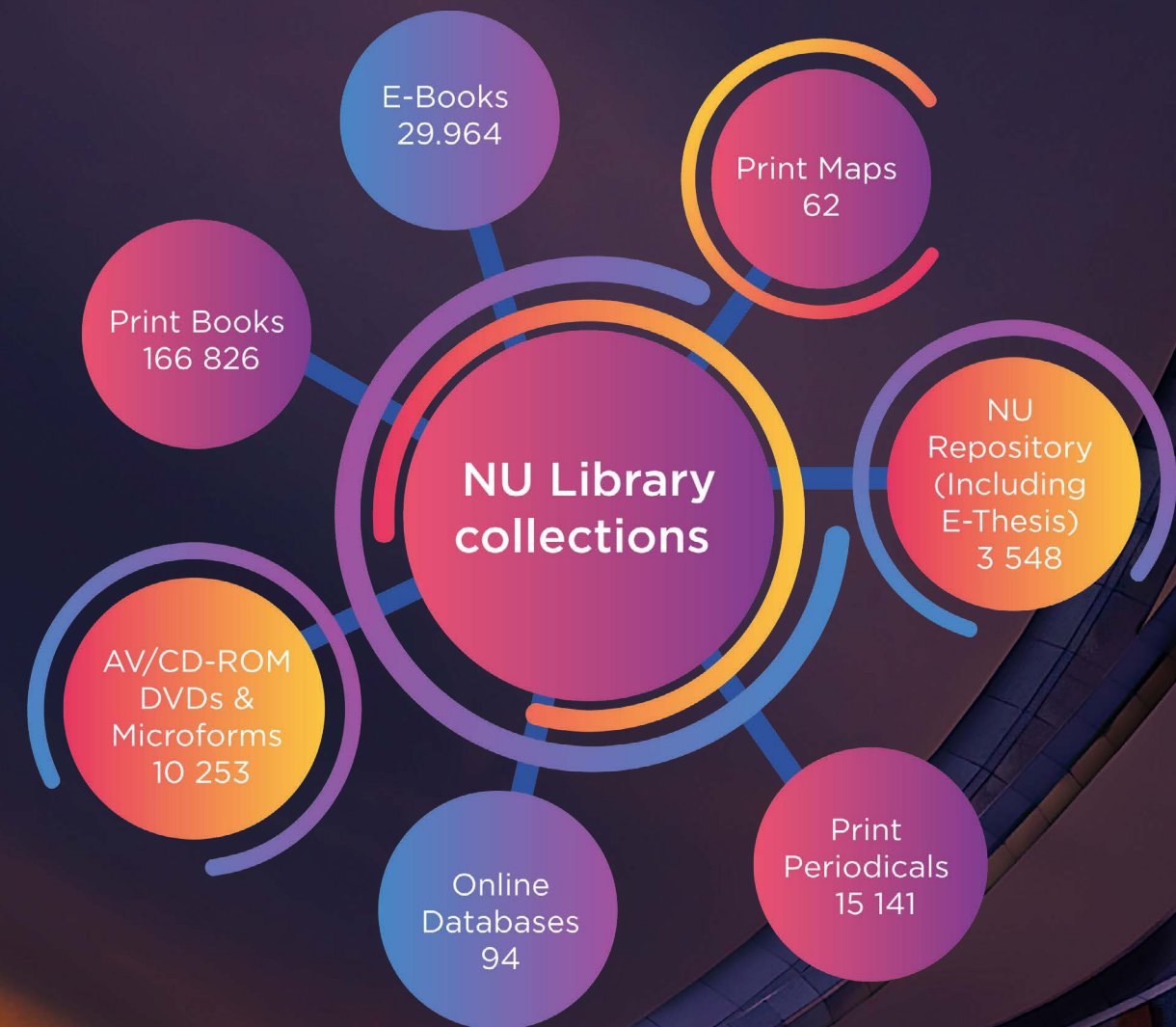
In accordance with the Strategy of Nazarbayev University (NU) for 2013-2020, the NU mission is “to be a model for higher education reform and modern research in Kazakhstan and to contribute to the establishment of the capital as an international innovation and knowledge hub.” To support the NU Strategy, the Library:

Provides access to licensed and open research and academic databases, as well as an electronic documents delivery service;

- Develops its own collections and maintains the NU Repository;
- Enhances library services, as well as creates the comfortable library environment for

users and develops the library IT-infrastructure;

- Develops high-level library and information professionals
- Provides 24/7 library access and rooms for users with special needs, including the room for kids
- Transmits and popularizes advanced international library experience and practice.



# WHY NU?

## LOCATION THAT MATTERS

Kazakhstan is the ninth largest country in the world in terms of territory and is endowed with abundant natural resources. Since its independence over 25 years ago, the country has transformed itself into an upper middle-income country with a dynamic market-oriented economy where more than 120 ethnicities peacefully live together.

In 1997, the capital of the country was moved to the middle of the northern steppes. The capital was named Astana and renamed Nur-Sultan city in 2019. Nowadays, Nur-Sultan city has risen to become an important industrial and cultural center of Kazakhstan with a modern and even futuristic architecture. The population of the city has reached more than 1 million people with a concentration of talented youth, creating a forward-looking vibe.

# CAMPUS MAP

- Main building
- Academic Buildings
- Recreational buildings and places
- Sport buildings and fields
- Checkpoint
- Student dormitories (with pharmacy, mini market, canteen, laundry, shoe repair)
- Faculty and Staff housing (with mini market, child care center, gym, beauty salon)

### Key

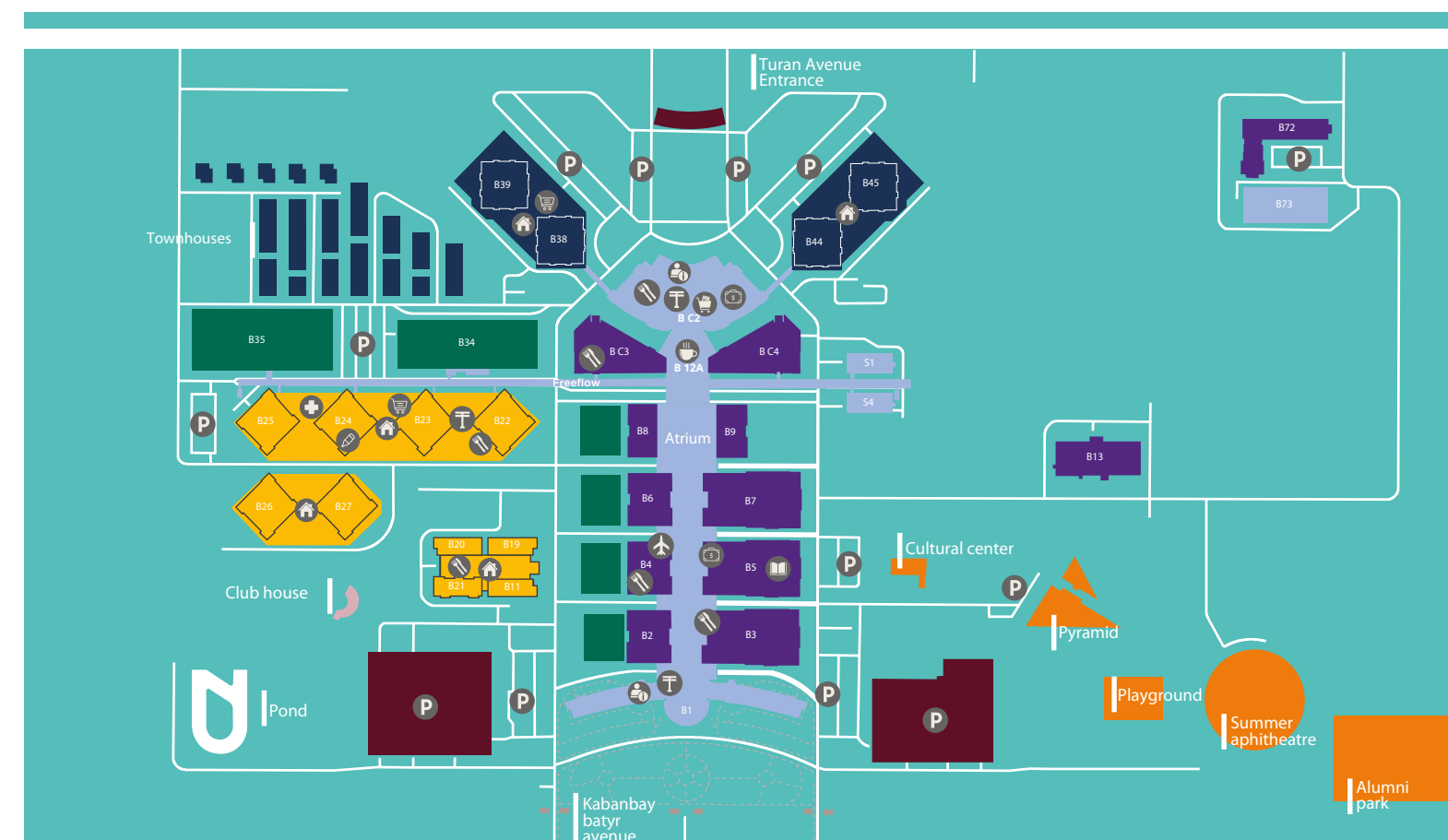
- Admissions Department
- Bursars Office
- Medical Centre
- Caf  or canteen
- Parking
- Library
- Coffee Shop
- Cash Machines
- Accommodation Centre
- Shop

- Air ticket office
- Stationery shop
- NU shop (books, and souvenirs)

### Blocks

- B1- Main building
- B12A-New Atrium
- BC2- Main building
- B2- Center for Preparatory Studies
- B3- School of Engineering and Digital Sciences
- B4- Canteen
- B5- Library and IT services
- B6- School of Mining and Geosciences
- B7- School of Engineering and Digital Sciences, School of Sciences and Humanities
- B8- School of Sciences and Humanities

- B9 - NU Research and Innovation Sytem, Astana Business Campus, students' labs
- BC3-Graduate School of Business, Graduate School of Public Policy, Graduate School of Education
- BC4-Multidisciplinary Research Center
- BS1-Laboratories
- BS4-Laboratories
- B35-Athletic Center
- B34-Sports Center
- B13-Technopark
- B72-Administrative household
- B73-Boiler room





# APPLYING TO NAZARBAYEV UNIVERSITY

# APPLICATION OVERVIEW

Candidates may participate in selection competition to be admitted to Nazarbayev University graduate programs. The graduate programs are offered by seven Schools of Nazarbayev University:

Graduate School of Public Policy (GSPP)  
 Graduate School of Education (GSE)  
 Graduate School of Business (GSB)  
 School of Medicine (SOM)  
 School of Sciences and Humanities (SSH)  
 School of Engineering and Digital Sciences (SEDS)  
 School of Mining and Geosciences (SMG)

## WHO CAN APPLY FOR GRADUATE PROGRAMS?

Candidates applying to **Master's Programs** are expected to have:

1) An undergraduate degree (Bachelor's degree or equivalent), including final year students;

- 2) High level of English proficiency;
- 3) Strong reading, analytical, and mathematical skills;
- 4) High motivation and strong interest in the Program as outlined in a statement of purpose.

Candidates applying to **PhD Programs** are expected to have:

1) An undergraduate (Bachelor's degree or equivalent) and a Master's degree or equivalent, including final year students;

## HOW TO APPLY?

# ONLINE APPLICATION SYSTEM

AT THE FIRST STAGE IN THE APPLICATION PROCESS, CANDIDATES SHOULD GO THROUGH AN ONLINE REGISTRATION PROCESS STEP-BY-STEP:

<b>STEP 1:</b> Create your personal account	Register on <a href="http://www.admissions.nu.edu.kz">www.admissions.nu.edu.kz</a> portal to create a Personal Account;
<b>STEP 2:</b> Complete your Application Form and attach required documents	Fill out the application form and attach the required documents: 1. Complete Application form; 2. National ID (for the citizens of the Republic of Kazakhstan) and passport (for international candidates); 3. Official document confirming name change (if applicable); 4. Degree diploma with transcript. During the application period final year students may upload an official current transcript for consideration; 5. IELTS or TOEFL certificate valid as of the date of online documents submission; 6. Document confirming English as the language of instruction (only for candidates who earned their degree in a program which was taught in English and request an exemption from submitting IELTS or TOEFL) 7. CV 8. Motivation letter/ Statement of purpose 9. Recommendation Letters
<b>STEP 3:</b> Pay the application fee	Application fee is paid online via your personal account with a bank card authorized for online/internet transactions. Amount to pay is 5 000 tenge for all programs, excluding GSB programs – 30000 tenge (regular admission) and 40000 tenge (late admission). All application fees are nonrefundable.
<b>STEP 4:</b> Finish the registration process	After completing all above-mentioned steps please press the "SUBMIT APPLICATION" button. After submission candidates can't change their applications.
Further steps	Check your e-mail for notifications from the NU Admissions Department and your personal account to learn about your application status.

If you have any difficulties with our online application system, please contact us:

AT [INFO\\_ADMISSIONS@NU.EDU.KZ](mailto:INFO_ADMISSIONS@NU.EDU.KZ)  
 AND/OR +7 (7172) 64 25 84.

Refer to numbers of your Applicant ID when sending us your request.



# APPLICATION TESTS

## WHAT KIND OF TESTS SHOULD BE TAKEN BY CANDIDATES?

**IELTS** (International English Language Testing System) – a standardized English proficiency test administered by the British Council, University of Cambridge ESOL Examinations, and IDP Education Pty Ltd;

**TOEFL** (Test of English as a Foreign Language) – a standardized English proficiency test developed by the Educational Testing Service (ETS) (Princeton, New Jersey, USA) in the format of TOEFL iBT (Internet-based Test) and TOEFL PDT (Paper-delivered Test);

**ALEKS TEST** - is an exam to determine the level of basic mathematical skills for business. You can find out about ALEKS test format, as well as take trial testing at <https://gsb.nu.edu.kz/programmy/ochnayaprogramma-mba/pravila-priema/>;

**MCAT** The abbreviation MCAT stands for Medical College Admission Test. This is an exam for those who wish to study at the medical faculty of educational institutions. MCAT is a standardized test with multiple choice of questions that assesses the skills of a future student, that is: the ability to solve complex problems, critical thinking and knowledge of the natural and social sciences, biology and other subjects that serve as a prerequisite for studying medicine.

### MCAT Form

- The test consists of four parts.

1) Biological and biochemical foundations of living systems; 2) Chemical and physical foundations of biological systems; 3) Psychological, social and biological foundations of behavior; 4) Critical analysis and reasoning.

### MCAT Assessment

When compiling the MCAT, a student can score from 1 to 15 points in each of the four parts of the test. The final result is the total score of all parts of the MCAT. Results are known after 30-35 days after the test. A student can find out this information on the official MCAT website by visiting “Get Your Test Scores” section.

### Registration and payment of MCAT

Payment for the test ranges from 305 to 355 dollars, depending on whether you have registered in advance, or at the last moment. Materials for self-preparation for the MCAT test can be found here.

**USMLE** - Only Step 1 of the USMLE test for admission to the Residency program should be passed. USMLE Step 1 is a computer-based exam with a choice of proposed answers that tests the knowledge of subjects studied during the first two courses of a Medical University in the United States and most countries of the European Union.

USMLE evaluates a physician's ability to apply in practice the knowledge, concepts, and principles, as well as demonstrating basic patient care skills. 350 questions/7 hours + 45-minute break Average question size: from 60 to 70 words.

**IFOM** - The IFOM exam was developed by the National Board of Medical Examiners (NBME) to assess students' knowledge of the basic and clinical disciplines, which are key disciplines to the implementation of the basic functions of a physician during patient care. The exam includes 160 questions with several possible answers, most of which are presented in the style of clinical vignette to assess the ability of subjects not only to recall, but also to apply basic knowledge of medical science in the following areas: Anatomy, Biochemistry, Histology, Cell biology, Microbiology, Organ systems, Pathology, Pharmacology and Physiology.

**GRE** - (The Graduate Record Examinations) - is a standardized test. The GRE is owned and administered by Educational Testing Service (ETS). According to ETS, the GRE aims to measure verbal reasoning, quantitative reasoning, analytical writing, and critical thinking skills that have been acquired over a long period of learning.

The content of the GRE consists of certain specific algebra, geometry, arithmetic, and vocabulary sections. The GRE General Test is offered as a computer-based exam administered at testing centers and institution owned or authorized by Prometric. In the graduate school admissions process, the level of emphasis that is placed upon GRE scores varies widely between schools and departments within schools. The importance of a GRE score can range from being a mere admission formality to an important selection factor.

**GMAT** - (The Graduate Management Admission Test) - is a computer adaptive test (CAT) intended to assess certain analytical, writing, quantitative, verbal, and reading skills in written English for use in admission to a graduate management program. It requires knowledge of certain specific grammar and knowledge of certain specific algebra, geometry, and arithmetic. According to the test-owning company, the Graduate Management Admission Council (GMAC), the GMAT assesses analytical writing and problem-solving abilities, while also addressing data sufficiency, logic, and critical reasoning skills that it believes to be vital to real-world business and management success. The GMAT exam consists of four sections: an analytical writing assessment, an integrated reasoning section, a quantitative section, and a verbal section. Total testing time is three hours and seven minutes. Test takers have 30 minutes for the analytical writing assessment and another 30 minutes to work through 12 questions, which often have multiple parts, on the integrated reasoning section and are given 62 minutes to work through 31 questions in the quantitative section and another 65 minutes to get through 36 questions in the verbal section.

# THE MINIMUM ADMISSION REQUIREMENTS FOR GRADUATE PROGRAMS

SCHOOL/ PROGRAM	GSE		GSB	GSPP		SSH		SMG	SEDS		SM		
	MASTER'S	PHD	MASTER'S	MASTER'S	PHD	MASTER'S	PHD	MASTER'S	MASTER'S	PHD	MASTER'S, RESIDENCY PROGRAM	DM	PHD
GPA (4 SCALE)	2,75	COMPETITIVE GPA	MBA - 2,75 MsF - 2,67 EMBA - NOT REQUIRED	2,75	COMPETITIVE GPA	2,75	COMPETITIVE GPA	2,75	2,75	COMPETITIVE GPA	2,75	3,0	3,0
IELTS/TOEFL	6,5/79	7,0/94	6,5/79	6,5/79	6,5/79	6,5/79 (EXCEPTION MAPSIR AND MAES- 7,0/94)	7,0/94	6,5/79	6,5/79	6,5/79	MASTER'S - 6,5/79 RESIDENCY - 7,0/94	7,0/94	6,5/79
(SUB-SCORE NO LESS THAN 6,0/12-21)													
WORK EXPERIENCE	1 YEAR	2 YEARS	MBA, EMBA - REQUIRED MsF - NOT REQUIRED	MPP - 2 YEARS MPA - 3 YEARS	3 YEARS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	NOT REQUIRED	OPTIONAL
RECOMMEN- DATION LETTERS	2 LETTERS	3 LETTERS	2 LETTERS	2 LETTERS	2 LETTERS	2 LETTERS (EXCEPTION MAPSIR, MAES, MAE - 3 LETTERS)	3 LETTERS	2 LETTERS	2 LETTERS	2 LETTERS	2 LETTERS	2-4 LETTERS	2 LETTERS (1 LETTER FROM A FACULTY MEMBER OF THE SM)
STANDARTIZED TESTS	GRE OPTIONAL	GRE OPTIONAL	MsF - GRE/ GMAT REQUIRED MBA - ALEKS TEST OR GMAT OR GRE REQUIRED EMBA NOT REQUIRED	GRE/GMAT OPTIONAL	GRE/GMAT OPTIONAL	GRE OPTIONAL	GRE OPTIONAL	GRE/GMAT OPTIONAL	GRE/GMAT OPTIONAL	GRE/GMAT OPTIONAL	MASTER'S - GRE/GMAT OPTIONAL RESIDENCY - IFOM (BSE)/USMLE REQUIRED	MCAT-489	NOT REQUIRED
ZERO YEAR OF MASTER'S PROGRAM													
	IELTS 5,5 / TOEFL 46	N/A	MsF - IELTS 5,5 / TOEFL 46 MBA, EMBA N/A	IELTS 5,5 / TOEFL 46	N/A	IELTS 5,5 / TOEFL 46 (EXCEPTION MAES, MAPSIR, - IELTS 6,0/ TOEFL 60)	N/A	IELTS 5,5 / TOEFL 46	IELTS 5,5 / TOEFL 46	N/A	MASTER'S - IELTS 5,5 / TOEFL 46 RESIDENCY - N/A	N/A	N/A
ONE SUB-SCORE NO LESS THAN 5,0/4-14 (EXCEPTION MAES, MAPSIR - ONE SUB-SCORE NO LESS THAN 5,5/18)													



# APPLICATION TIMELINE

## ONLINE APPLICATION PERIOD

### NOVEMBER – JUNE

- Choose your course
- Prepare your personal statement
- Prepare your documents
- Check if you need to take a test
- Find and register with the test center
- Take your test
- Submit your online application

## SELECTION PROCESS PERIOD

### MARCH-APRIL & MAY-JUNE

Admissions Committee members determine finalists for admission based on the review of the application package. All shortlisted applicants will be interviewed by the Admissions Committee members.

## DECISION

### APRIL & JUNE

Academic Decisions, both Rejection and Offer letters will be sent out by the Admissions Department to all candidates.

## SUBMISSION OF THE HARD COPIES OF DOCUMENTS

### JULY

Submission of hard copies of documents at the address:

Admissions Department, Nazarbayev University, Block 1 53 Kabanbay batyr street 010000 Nur-Sultan, Republic of Kazakhstan

## ARRIVAL AT NU AND START OF STUDY

### AUGUST

- Dormitory check-in
- Orientation week
- Class starts

Provided application timeline is tentative and may be different for different schools.

Please visit our admissions webpage for the up-to-date information: [ADMISSIONS.NU.EDU.KZ](https://admissions.nu.edu.kz).

# INTERNATIONAL STUDENTS

Nazarbayev University welcomes applications from international candidates. We believe that a multinational environment will facilitate exchange of advanced knowledge and best practices, and arm our students with a global outlook and intercultural competencies, which are nowadays highly in demand to be competitive on the modern internationalized labor market. Application process for each program for international applicants is the same as for applicants from Kazakhstan.

## SCHOLARSHIPS

### ABAY KUNANBAYEV SCHOLARSHIP

The merit-based Abay Kunanbayev scholarships are available for international candidates, recommended for admission. This scholarship covers tuition fee as well as a monthly allowance for top candidates.

### GUARANTEED CITIZENSHIP-BASED SCHOLARSHIPS

While the number of Abay Kunanbayev scholarship is limited, international candidates, recommended for admission, are still eligible to receive from 50% to 90% scholarship based on their citizenship only.

#### ARRIVAL TO KAZAKHSTAN

Find out about living and studying in Kazakhstan and visa requirements on our International Cooperation webpage:  
[nu.edu.kz/about-nazarbayev-university/international-cooperation](https://nu.edu.kz/about-nazarbayev-university/international-cooperation).

# STUDENTS WITH DISABILITIES

NU is committed to promoting diversity, equity and inclusion. The University campus and facilities are constantly being improved to meet the needs of our students and staff with disabilities.

Our priorities:

- ensuring barrier-free and equal access to university facilities and infrastructure;
- raising awareness of inclusive education inside and outside the NU community;
- building the staff's capacity to work in inclusive settings.

Assistive Technologies are available at the University Library to support NU students, faculty, staff and guests with visual impairment. It includes the following hardware and software:

- JAWS - screen-reader;
- Everest V4 - Braille embosser;
- Duxbury - Braille Translator;
- Zyfuse Heater - to produce tactile graphics;
- Focus Blue - Braille display;
- OpenBook 9.0 - e-text converter and reader;
- Poet Compact 2 - reading machine.



# EQUAL OPPORTUNITIES TO ALL

At Nazarbayev University, we are committed to equality of opportunities. We welcome applications from anyone with the potential to succeed in higher education. The University has a merit-based system of admission and aims to ensure that all students are treated equally, irrespective of race, colour, ethnic origin, gender, sexual orientation, marital or parental status, age, disability, political or religious belief, or socio-economic class.



# FEES & FUNDING



# TUITION FEES

Admission to a fee-paying education is carried out on a competitive basis in accordance with the Rules for Admission of the corresponding degree program. The fees for tuition are indicated in the corresponding section of the program on the website.

Fees for accommodation are charged separately.

More details can be found on the Courses pages of this Graduate Prospectus. Please note that the current information applies to the 2019/20 academic year. Fees for 2020 entry will be published on the NU webpage [nu.edu.kz/fees-and-funding/](http://nu.edu.kz/fees-and-funding/) as soon as they are available.



# LIVING COSTS

The average cost of living in September 2019 comprised 31 759 tenge per capita in Kazakhstan.

Source: Ministry of National Economy of the Republic of Kazakhstan, Statistics Committee.

		AVERAGE PER CAPITA (IN KZT)
1	Cost of living	31 759
2	Groceries	17 467
3	Non-grocery goods and services	14 292

# NU EDUCATIONAL GRANTS

The Nazarbayev University educational grant is a dedicated amount of money provided to enrolled students at the University. It covers tuition fees for the level of education or preparatory programs and health insurance. It is provided under the state educational order in accordance with the regulations on admission for appropriate programs or majors. As well as tuition fees, the grant provides a monthly allowance and guaranteed compensation money for travel. This is in accordance with the current legislation of the Republic of Kazakhstan.

The Nazarbayev University educational grant is not offered to applicants who previously received a degree for the same level of education under the state educational order or under the Bolashak international scholarship.

Funding from resources of Nazarbayev University  
The “Ybyray Altynsarin” scholarship is awarded to citizens of Kazakhstan included in the list of

recommended candidates for admission to the University to a specified program and candidates that meet one or several of following criteria:

- students left without care of both parents (orphans) or left without care of one parent;
- disabled students of 1,2,3 categories;
- students from families with many children;
- students with one or both parents with disabilities 1, 2, 3 categories.

The grant is financed by Nazarbayev University and covers health insurance and the tuition fees but not a monthly allowance or compensation for travel. The grant is provided for entire period of the specified program.

The “Abay Kunanbayev” scholarship is awarded to international candidates, recommended for admission. This scholarship covers health insurance and tuition fee as well as a monthly allowance for all candidates, in compliance with the criteria established by the internal Regulations.



# DISCOUNTS

There are discounts provided for certain categories of applicants for undergraduate programs of Nazarbayev University:

1. Orphans or individuals left without parental care, who have not reached the age of twenty-nine, and have lost their parents until they reached the age of majority
2. Disabled individuals of 1,2,3 categories
3. Persons from families with three or more cohabiting children under the age of 23, who are full or half siblings.
4. Individuals with one or both parents with disabilities of group I,II and III
5. Students admitted to the NUFYP and undergraduate programs, who do not fall under social categories

\*discounts may be reviewed at the beginning of new academic year

For more information regarding discounts for tuition please contact Bursar’s office at [BURSARS\\_OFFICE@NU.EDU.KZ](mailto:BURSARS_OFFICE@NU.EDU.KZ)

**OR AT THE ADDRESS:**  
Office 5034, Block C2  
Bursar’s Office  
Nazarbayev University  
53 Kabanbay batyr avenue  
010000 Nur-Sultan, Kazakhstan  
Republic of Kazakhstan

# ACCOMMODATION



# STUDENT HOUSING

We are delighted to provide our students with a comfortable and safe environment that the NU campus offers. We encourage our students to live on campus and enjoy all benefits of student life activities having everything within a walking distance.

Living in the dormitories of NU and taking advantage of its academic, sport and other facilities inspires the students' future commitments to the University and the surrounding environment.

All rooms are fully furnished. Room sizes vary according to the block.

**9 RESIDENTIAL HALLS (BLOCKS) ARE AVAILABLE AT NU.**

**APPROXIMATELY, OVER 75% OF NU STUDENTS RESIDE ON CAMPUS.**

Residential equipment, medical office, study rooms, laundry facilities, mini markets, vending machines, barber shop and canteens are available in the residential halls.





# RESIDENTIAL AREA

## EATERIES

There are numerous inexpensive cafés, restaurants, and canteens available on campus for different tastes and preferences.

## SPORT & FACILITIES

Nazarbayev University Sports Center is a 6000+ square meter multi-sport complex open for NU community that provides:

- Multifunctional Hall for basketball, futsal and volleyball
- Gymnastics Hall for gymnastics and cheerleading, martial arts and table tennis
- Dance Room for choreography and fitness classes
- Gym for students
- 6 fully-equipped changing rooms for men and women with showers and lockers
- Medical Room that serves the visitors

## BICYCLES

There is a bicycle parking offered on campus. The front area of living blocks is equipped with a bicycle parking racks. The limited storage for bicycles is provided in the winter period.

## PARKING

Parking on the NU territory allowed only for those who do not have a room in the dormitory. Parking spaces are limited and it spread equally among the applicants.





# HEALTH, SAFETY & ENVIRONMENT

Nazarbayev University is committed to provide safe and healthy environment for the visitors, students, faculty, and staff members. There are different activities aimed to ensure compliance with the national requirements and best international practices in managing health, safety and the environment.

## HEALTH AND SAFETY

All the facilities are equipped with the automated fire alarm system and basic fire equipment (smoke detectors, sprinklers, extinguishers, fire hose) to locate and prevent fire. As part of preparedness for emergency situations, building evacuation drills are conducted annually. It is strictly prohibited to smoke, use e-cigarettes within the campus facilities. Consumption of alcohol is not allowed at the University.

## HEALTHCARE SERVICES

It is required to complete the mandatory medical check-ups which are held prior the studies and employment and then annually to ensure timely diagnosis and prevention of diseases and maintenance of the population's epidemiological well-being. The students, faculty and staff members are provided with the health insurance services.

## ENVIRONMENT

The University strives to optimize the consumption of natural resources and eliminate the environmental pollution. It has launched Green Campus campaign as one of the initiatives related to its sustainable development and prevention of the global climate change. Collection of paper and other recyclable materials are organized through the containers set up on the territory of Nazarbayev University. Use of less plastic and more reusable dishes is highly encouraged.

## PUBLIC SAFETY AND SECURITY

For security purposes, access to the University campus is controlled through the control access points and requires the presence of NU ID cards. All other visitors must register at access points of the University, using their ID cards.



# SUPPORT FOR STUDY

# ZERO YEAR OF MASTER’S PROGRAMS

The aim of the Program is to give students the support needed to acquire English language proficiency and academic skills required to successfully begin Master’s level studies. Satisfactory completion of the Program will permit the students to progress to the Master’s programs of the University to which they applied and for which they were interviewed.

**FOR MORE INFORMATION ON NUZYP, PLEASE VISIT THE CENTER FOR PREPARATORY STUDIES WEBSITE:**  
**CPS.NU.EDU.KZ**

## ELIGIBILITY CRITERIA

1) meet the criteria for admission to the specific Master’s program to which an applicant is applying (except the English language requirements; please read below)

2) have valid overall IELTS test score of 5.5 with no more than one sub-score of 5.0, or the equivalent TOEFL scores as posted on the ETS website\*.

\* for Master of Arts in Political Science and International Relations program and Master of Arts in Eurasian Studies program the minimum required level of overall IELTS test score is 6.0 with no more than one sub-score of 5.5, or the equivalent TOEFL scores as posted on the ETS website

TYPE OF PROGRAM	Full-time
START DATE OF THE PROGRAM	August
LENGTH OF THE PROGRAM	1 academic year

# LIBRARY & IT SERVICES

## NU LIBRARY

Available  
24/7

Science Room  
(5e.237)

Computer Lab  
(5e.238)

Media Room  
(5e.216)

Astana Room  
(5e.316)

Aliya Room  
(5e.326)

Quiet Room  
(5e.327)

Culture Room  
(5e.334)

Reading Room in School  
of Medicine Library (701)

The Nazarbayev University Library and IT Services ensure implementation, maintenance and development of information systems and facilities, collections, technologies, and services to support study process.

The NU library has become even more accessible and comfortable. New halls and rooms are with a total area of 10 000 sq. m. The Library offers superior conditions for the NU community, including new computer rooms, multimedia rooms, classrooms for group activities and individual study, equipment for inclusive education, conference rooms, an audio-visual recording room, data visualization room, children’s room and much more. The students and researchers, who are parents, can use the Family Room to study with their children.

Phone: +7 (7172) 70-62-55  
e-mail: library@nu.edu.kz

NU Library is on social media: FB - @ Nazarbayev. University. Library, Instagram - library\_nu  
Twitter - @NU\_Library\_NU



# PSYCHOLOGICAL COUNSELING CENTER

Professionals of the Psychological Counseling Center (PCC) provide psychological and counseling services for the students of all programs.

The PCC helps students to reach a state of positive mental health. Our psychologists provide a safe and confidential environment to help students discover any issues that may interfere with their well-being, happiness, or effectiveness.

Commonly addressed concerns include but are not limited to relationships, stress, self-esteem, body image, sexuality, anxiety, and depression.

Areas of work:

- Individual and group counseling
- Counseling for parents who are concerned about their child
- Psychological diagnostics
- Workshops and seminars on various topics

**TO MAKE AN APPOINTMENT  
WITH A PSYCHOLOGIST,  
STUDENTS USE THE STUDENT  
PORTAL [MY.NU.EDU.KZ](https://my.nu.edu.kz).**



# CLUBS & SOCIETIES

# STUDENT ORGANIZATIONS

NU hosts more than 200 professional student clubs & societies, which makes NU campus packed with events and activities throughout the year. One of the largest events at NU is a Club fair. It features the most active clubs of the university and introduces students a way to get involved on campus. Some student initiatives have reached out to local community.

NU students organize sport tournaments, debate contests, choir and orchestra concerts and interesting guest lectures. Charity activities organized by students involve the entire NU community to help children from socially vulnerable families and children with disabilities.

**AT VARIOUS INTERNATIONAL AND NATIONAL EVENTS IN NUR-SULTAN CITY, SUCH AS CONGRESS OF WORLD AND TRADITIONAL RELIGIONS, ASTANA ECONOMIC FORUM, BOXING WORLD CUP, AND MANY MORE.**

# MANY NU STUDENTS VOLUNTEER

# STUDENT GOVERNMENT

The NU Student Government is a student self-governance system representing the interests of students to the administration of the University and the global community. Students' self-governance is a proactive and independent joint activity of students aimed at solving issues related to academic and extracurricular activities.

**STUDENT FUND IS AIMED AT SUPPORTING AND DEVELOPING STUDENT LIFE SUCH AS FINANCING STUDENT EVENTS AND DIFFERENT KIND OF STUDENT INITIATIVES.**

# DEPARTMENT OF STUDENT AFFAIRS

The Department of Student Affairs (DSA) provides opportunity for student growth and development. We create a favorable environment and conditions for students to develop leadership skills and become contributing members of the NU community and beyond. We help students adapt to campus and support them in addressing a variety of questions regarding student life.

**CONTACT DSA AT  
[HTTPS://NU.EDU.KZ/CAMPUS/STUDENT-LIFE/DEPARTMENT-STUDENT-AFFAIRS](https://nu.edu.kz/campus/student-life/departments-student-affairs)  
OR EMAIL AT [STUDENT\\_AFFAIRS@NU.EDU.KZ](mailto:STUDENT_AFFAIRS@NU.EDU.KZ)**



# LIFE AFTER NU

# LIFE AFTER NU

NU graduates are employed in a wide range of industries and businesses, continue their education or start their own businesses. The majority of the graduates work in Kazakhstan whereas a number of them pursue careers across the globe.

Many of the graduates choose to continue their studies in universities around the world such as University of Cambridge, University of Oxford, Stanford University, Massachusetts Institute of Technology, University of Harvard, University College London, Johns Hopkins University, ETH Zurich, Columbia University, National University of Singapore, Carnegie Mellon University, New York University, London School of Economics and Political Science, LMU Munich, Hong Kong University of Science and Technology, University of Wisconsin-Madison, KU Leuven, University of Illinois at Urbana-Champaign, Technical University of Munich, University of Warwick, Seoul National University, and others.

## ALUMNI DESTINATION STATUS OF THE BACHELORS OF CLASSES 2015-2018 (AS OF JUNE 2019)

- 55% - Employed
- 35% - Pursue further education
- 4% - Seeking employment
- 6% - Other<sup>1</sup>

## WHERE DO OUR BACHELOR GRADUATES WORK?

- 22% - Finance
- 20% - Manufacturing & Production
- 16% - Education & Science
- 7% - IT
- 6% - Construction
- 4% - Public Sector
- 2% - Healthcare
- 2% - Energy
- 21% - Other<sup>2</sup>

<sup>1</sup> Other – maternity leave, career break, no information

<sup>2</sup> Other – Marketing & Sales, Services, Telecommunication, Transport & Logistics, International organizations, Agribusiness

# NU ALUMNI ASSOCIATION

NU Alumni Association was founded in April 2016; in October 2018 it was officially registered as a Public Union “NU Alumni” with an aspiration to develop the University by creative and intellectual potential of graduates.

Up to date, 28 Ambassadors (22 are located abroad, 6 stay in Kazakhstan) have agreed to promote NU, and 3 Alumni Reunions have been conducted (in 2016, 2017, 2019).

In cooperation with NU Career and Advising Center, “NU Alumni” Public Union keeps strengthening ties between alumni and the University, and contributes to professional development of students.

**CONTACT NU ALUMNI AT**  
**NUALUMNI@NU.EDU.KZ**

**OR +7 771 346 99 56**

**OR FIND US AT ROOM 1166,**  
**BLOCK 1**

# NAZARBAYEV UNIVERSITY CAREER ADVISING CENTER

Nazarbayev University Career and Advising Center (CAC) advances the mission of Nazarbayev University to promote the development of education and research activities in the Republic of Kazakhstan. The mission of NU CAC is providing comprehensive career services to encourage students' excellence in career development, preparing for professional environment, creating and promoting strong partnerships with NU students and parents, alumni, employers, Schools, and overall university community.

**VISIT CAC WEBSITE**  
**WWW.CAC.NU.EDU.KZ**

**OR CONTACT AT**  
**CAC@NU.EDU.KZ**

**OR +7(7172)706538,**  
**709261, 705886**

**OFFICE 2043, BLOCK C2**

## CAREER AND ADVISING CENTER PROVIDES COMPREHENSIVE CAREER SERVICES, AS FOLLOWS:

- Career advising on internships, job search, interview skills, resume review, alumni issues, and graduate application to both NU students and alumni;
- Connecting students and alumni with companies offering internship/job opportunities through job postings, social media, arranging on-campus recruitment events, and networking opportunities;
- Posting job announcements for companies looking to hire NU students and alumni;
- Coordinating Internship and Work on Campus Programs;
- Developing employment skills of students through career workshops and activities to prepare them for employment after graduation and increase overall graduates employability;
- Assisting NU students and alumni to identify graduate programs, connecting students with graduate schools through campus info-sessions and presentations.



# PROGRAMS

1. APPLIED MATHEMATICS, MSC
2. BIOLOGICAL SCIENCES AND TECHNOLOGIES, MSC
3. BIOMEDICAL ENGINEERING, MSC
4. CHEMICAL AND MATERIALS ENGINEERING, MSC
5. CHEMISTRY, MSC
6. CIVIL AND ENVIRONMENTAL ENGINEERING, MSC
7. COMPUTER SCIENCE, MSC
8. DATA SCIENCE, MSC
9. DOCTOR OF MEDICINE
10. ECONOMICS, MA
11. EDUCATION, PHD
12. EDUCATIONAL LEADERSHIP, MSC (HIGHER EDUCATION AND INCLUSIVE EDUCATION TRACK).
13. ELECTRICAL AND COMPUTER ENGINEERING, MSC
14. ENGINEERING MANAGEMENT, MEM
15. EURASIAN STUDIES, MA
16. EURASIAN STUDIES, PHD
17. FINANCE, MSC
18. MBA, EXECUTIVE
19. MBA, FULL-TIME
20. MECHANICAL AND AEROSPACE ENGINEERING, MSC
21. MINING ENGINEERING, MSC
22. MINING ENGINEERING, PHD
23. MOLECULAR MEDICINE, MMM
24. MULTILINGUAL EDUCATION, MA
25. PETROLEUM ENGINEERING, MSC
26. PETROLEUM ENGINEERING, PHD
27. PHYSICS, MSC
28. POLITICAL SCIENCE AND INTERNATIONAL RELATIONS, MA
29. PUBLIC ADMINISTRATION, MPA
30. PUBLIC HEALTH, MPH
31. PUBLIC POLICY, MPP
32. PUBLIC POLICY, PHD
33. ROBOTICS, MSC
34. SCIENCE, ENGINEERING AND TECHNOLOGY, PHD



# APPLIED MATHEMATICS, MSC

## ABOUT

**PROGRAMME TITLE. MSC IN APPLIED MATHEMATICS**  
**SHORT OVERVIEW.** Master of Science in Applied Mathematics program is a two-year program (120 ECTS credits) designed to train students as professional

applied mathematicians who will possess in-depth knowledge of advanced theory and practical knowledge in numerical simulation, statistical analysis, data mining, and computational mechanics.

APPLICATION DEADLINE	April
DURATION	2 years Full-Time
PROGRAMME WEBSITE	<a href="https://ssh.nu.edu.kz/academics/graduate-programs-2/#top8">https://ssh.nu.edu.kz/academics/graduate-programs-2/#top8</a>

## OVERVIEW

Graduates are expected to acquire advanced mathematical, statistical, and computational skills as relevant to their subjects of their Master projects. Furthermore, they will develop skills in interdisciplinary numerical simulations, statistical computing, and computer aided design environment and will acquire a command of scientific communication skills. The program is designed to take advantage of the faculty

expertise and the computational resources of the School of Science and Technology, Nazarbayev University Research and Innovation System. Graduates of the program will have advanced research skills that will enable them to make contributions in technologically diverse and dynamic economic environments, both in Kazakhstan and abroad.

## OUTLINE

**PROGRAMME STRUCTURE.** The 1st year of the program consists of compulsory core courses designed to give a solid fundament for the research-intensive 2nd year. Students choose elective courses in the beginning of 2nd year to specialize in the area of their interest. The focus of the last semester is Thesis work.

- MATH 512 OPTIMIZATION METHODS AND TECHNIQUES
- MATH 517 MATHEMATICAL MODELING AND SIMULATION
- MATH 519 SCIENTIFIC COMPUTING
- MATH 540 STATISTICAL ANALYSIS
- CSCI 501 SOFTWARE PRINCIPLES AND PRACTICE
- MATH 541 DATA ANALYSIS AND STATISTICAL LEARNING
- MATH 551 ADVANCED NUMERICAL METHODS
- MATH 576 NUMERICAL METHODS FOR PDES

## KEY FACTS

START	August
PROGRAMME INTENSITY	2 years Full-Time
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

GETTING A VISA. International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa
WORK WHILE STUDYING	teaching assistant or research assistant positions on campus with the 0.25 work rate
WORK AFTER GRADUATION	<div><div><ul style="list-style-type: none"><li>— Biostatisticians</li><li>— Operation Research analysts</li><li>— Financial analysts/Auditors</li><li>— Actuaries</li><li>— Computer security analysts</li><li>— Academia</li><li>— Mathematics educators</li><li>— Possible job in following industries: Academic and research (math, engineering) institutes</li><li>— Aerospace and airlines</li><li>— Analytics and forecasting organizations</li><li>— Chemical or pharmaceutical manufacturers</li></ul></div><div><ul style="list-style-type: none"><li>— Communication Technology</li><li>— IT and software firms;</li><li>— Computer Manufacturers</li><li>— Energy systems firms</li><li>— Financial service and investment management firms</li><li>— Government labs, research offices and agencies</li><li>— Insurance companies</li><li>— Medical engineering companies</li><li>— Oil industries</li></ul></div></div>





# BIOLOGICAL SCIENCES AND TECHNOLOGIES, MSc

## ABOUT

**PROGRAMME TITLE.** MSc IN BIOLOGICAL SCIENCES  
AND TECHNOLOGIES

**SHORT OVERVIEW.** Biological science is recognized worldwide as a vibrant, emerging area of study. The Master of Science degree (MSc) in Biological Sciences

and Technologies provides excellent instruction in a focused discipline, and will train modern high quality biotechnology and life science experts which are in high demand for both existing as well as anticipated industries in Kazakhstan and abroad.

APPLICATION DEADLINE	May 12
DURATION	2 years Full-Time
WEBSITE	<a href="https://ssh.nu.edu.kz/academics/graduate-programs-2/#top4">https://ssh.nu.edu.kz/academics/graduate-programs-2/#top4</a>

## OVERVIEW

This Graduate Program is consistent with the structure of the Bologna Process, which requires a minimum of 120 ECTS for a Master's degree and can be compared in scope and structure to available programs in internationally leading academic institutions. The program will provide candidates with the opportunity to prepare themselves for either academic or non-academic ("professional") careers.

## OUTLINE

**PROGRAMME STRUCTURE.** Discipline core courses in advanced prokaryotic, eukaryotic molecular cellular and structural biology are accompanied by a life sciences-oriented statistics course that will enable students to analysis data. Other core courses in applied bioinformatics, advanced biotechnology and cellular biophysics offer students the necessary theoretical knowledge and methodological skill set for specialization supported by research electives in immunology, neuroscience, cancer biology, environmental systems,

drug design and development, synthetic biology, or gene therapy. Courses in education, innovation and entrepreneurship compliment the discipline-specific courses. The courses of the entire program will consist of lectures, problem- and team- based learning courses, seminars, practical and experimental approaches. Latest research findings will be fully integrated into the teaching. English language will be used throughout the program.

## KEY FACTS

START	August	LANGUAGES	English
INTENSITY	2 years Full-time	DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa.
WORK WHILE STUDYING	Might be possible to work as teaching assistant or research assistant on campus with the 0.25 work rate
WORK AFTER GRADUATION	For some students, an MSc obtained after two years of training will be the desired end to their graduate training. Graduates of this program are expected to find many medium-paid job opportunities in universities, pharmaceutical, biotechnological or agricultural companies, hospitals, research institutions, vocational schools, governmental and non-profit organizations. As for the rest, the ultimate goal of this graduate program is the PhD degree, which has an expected duration of no less than three additional years beyond the MSc, in line with the leading graduate science programs in the world.



# BIOMEDICAL ENGINEERING, MSc

## ABOUT

**PROGRAMME TITLE. MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING**

**SHORT OVERVIEW.** Biomedical Engineering is a relatively new field which bridges the traditional disciplines of engineering and Medicine. The examples of Biomedical engineering contributions are: development of pacemakers, high-tech machinery for blood dialysis, and systems for medical imaging through X-ray or magnetic resonance tomography.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/msc-in-biomedical-engineering/">https://seng.nu.edu.kz/programs/graduate-programs/msc-in-biomedical-engineering/</a>

## OVERVIEW

Biomedical Engineering is an interdisciplinary specialty that applies engineering principles to solve clinical problems. This discipline commonly deals with medical therapies, monitoring devices, and diagnostic tools.

## OUTLINE

The MSc Program Biomedical Engineering has a duration of 2 years. The first year consists of courses, which will be taught in class as well as in the laboratory. Emphasis will be laid on group work. The courses comprise crucial sub-fields in biomedical engineering, such as biomedical materials, biosensors, principles of regenerative medicine, principles of tissue engineering, medical imaging, methods and techniques used in medical diagnosis, microbiology, etc. Moreover, a special course on Anatomy and Physiology for Biomedical Engineers will be taught. The Program consists of compulsory courses and

elective courses, so every student can choose a personal curriculum. The second year of the Program is largely focused on research; the students has almost a full calendar year available. It is expected that student will investigate a research hypothesis on an international scientific level. Preferably, this will result in a scientific publication. The research projects will be conducted in cooperation with our strategic allies, i.e. the Departments of Biomedical Engineering of University of Illinois Urbana-Champaign, USA; Columbia University (New York, USA), Imperial College London (London, UK), and University of New South Wales (Sydney, Australia).

## KEY FACTS

START	August
PROGRAMME INTENSITY	Full-time
LANGUAGES	English
DELIVERY MODE	On campus, some courses will be delivered at Nazarbayev University School of Medicine

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistants positions are available
WORK AFTER GRADUATION	Once you have the MSc degree in Biomedical Engineering, there is a multitude of job opportunities. For example, in the medical device industry, as a development engineer, or as a quality-management engineer. For example, you could work on the manufacture and further development of pace-makers, intraocular lenses, or endovascular stents. Alternatively, you could work for the government in a so-called Regulatory Agency which regulates the admission of new medicine and medical devices onto the market. You can also start your own business, e.g. the production and market-launch of a medical device. You could also pursue a career in academia, e.g. start a PhD research project, work as a postdoctoral researcher at one or more foreign universities, and become an (assistant or associate) Professor.





# CHEMICAL AND MATERIALS ENGINEERING, MSC

## ABOUT

**PROGRAMME TITLE.** MSC IN CHEMICAL AND MATERIALS ENGINEERING

**SHORT OVERVIEW.** MSC in Chemical and Materials Engineering (MSc-ChME) Students are required to complete 120 ECTS credits, in 4 semesters, which satisfies the requirements stipulated by the Bologna Process and the European Credit Transfer and Accumulation System (ECTS) for Master’s Degrees.

APPLICATION DEADLINE	April 2020
DURATION	2 years
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-chemical-and-materials-engineering/">https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-chemical-and-materials-engineering/</a>

## OVERVIEW

The program is research-oriented and it is designed to provide the skills required to solve advanced technical problems in chemical and materials engineering through a combination of Thesis Research and advanced coursework. The small class size allows excellent student-instructor communication. Students are encouraged to contribute Thesis Research topics from their interests or previous work experience.

## OUTLINE

**PROGRAMME STRUCTURE**

The program is structured in four semester. In the first semester, core course in Chemical and Materials Engineering are offered. In the second semester, elective courses are also included, allowing the student to specialize in the preferred research area. In the third semester. thesis-related work begins, in addition to elective course. The fourth semester is entirely devoted to research work. The student chose the research supervisor in the ChME department at the beginning of the third semester. A list of the ChME and their research interests is available on the SEng website. Detailed information on the program structure is available on <https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-chemical-and-materials-engineering/>

KEY FACTS	START	August 2020	LANGUAGES	English
	INTENSITY	Full-Time	DELIVERY	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistants positions are available
WORK AFTER GRADUATION	Many MSc graduates start working in mineral resources sector, either in state-owned companies or multinational companies. The MSc. degree allows graduate to apply for PhD in both local and foreign Universities. Finally, the MSc degree is an excellent basis for entrepreneurship-oriented individuals to define specific industrial and societal needs, which can be addressed through the creation of a start-up company.



# CHEMISTRY, MSC

## ABOUT

### PROGRAMME TITLE. MSC IN CHEMISTRY

**SHORT OVERVIEW.** Chemistry is frequently referred as a “central science” for its key role in advancing technological progress through the design and synthesis of novel functional materials for energy, environmental, and biomedical applications.

Our two year program will extend your depth and breadth of knowledge in all domains of modern chemical science, helping you to become an excellent industrial or academic chemist.

APPLICATION DEADLINE	May 12
DURATION	2 years Full-Time
WEBSITE	<a href="https://ssh.nu.edu.kz/academics/graduate-programs-2/#top8">https://ssh.nu.edu.kz/academics/graduate-programs-2/#top8</a>

## OVERVIEW

The two year MSc Program in Chemistry is designed to train students as professional chemists who will possess in-depth knowledge of advanced theory and practical knowledge in various areas of chemistry.

The students will gain deep and systematic knowledge of the fundamental principles in chemistry, and develop the ability to identify, analyze and develop solutions problems in the context of real-life of the XXI Century, while fostering entrepreneurship. The graduates are expected to acquire advanced chemical,

By enrolling in the program you will benefit from a fast-developing research infrastructure and well-balanced study programs delivered by our highly qualified international academic staff. You will also be able to advance such essential skills as project management, team-working, problem-solving, preparing and delivering oral and poster presentations, as well as critical assessment of relevant scientific literature.

physical, mathematical, computational (calculation and simulation), and laboratory experimental skills as relevant to the subjects of their Master projects. They are further expected to become exposed to the international research environment and to acquire strong scientific communication skills. The program design takes advantage of the faculty expertise and the laboratory resources of the School of Science and Technology, National Laboratory of Astana, School of mining and Geoscience, and School of Engineering.

## OUTLINE

**PROGRAMME STRUCTURE.** The curriculum of the program consists of three different types of courses:

Type A. Core courses (24 ECTS),  
Type B. Elective courses (30 ECTS), and  
Type C. Teaching and Research courses (36 ECTS) and Thesis (30 ECTS)

Compulsory courses of type A (core courses) are designed to give a solid and wide base of advanced knowledge in the different areas of Chemistry (Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, and Organic Chemistry).

## KEY FACTS

START	August	LANGUAGES	English
PROGRAMME INTENSITY	2 years Full-time	DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

**GETTING A VISA** International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa.
WORK WHILE STUDYING	teaching assistant or research assistant positions on campus with the 0.25 work rate
WORK AFTER GRADUATION	The graduates are expected to acquire advanced chemical, physical, mathematical, computational (calculation and simulation), and laboratory experimental skills as relevant to the subjects of their Master projects. They are further expected to become exposed to the international research environment and to acquire strong scientific communication skills. In future you will have a chance to prosper your career in petroleum/oil industry, geology industry, and pharmaceutical industry or work in government sector.





# CIVIL AND ENVIRONMENTAL ENGINEERING, MSc

## ABOUT

**PROGRAMME TITLE. MSc IN CIVIL AND ENVIRONMENTAL ENGINEERING**

**SHORT OVERVIEW.** The Master of Science in Civil and Environmental Engineering program provides a comprehensive technologic and scientific preparation for engineers in following four key areas of Civil and Environmental Engineering, which are in perfect alignment with today’s technological challenges:

- a) Structural Engineering
- b) Geo-technical Engineering
- c) Environmental Engineering and
- d) Construction Management.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-civil-and-environmental-engineering/">https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-civil-and-environmental-engineering/</a>

## OVERVIEW

Students are required to complete 120 ECTS credits, in 4 semesters, which satisfies requirements stipulated by the Bologna Process and the European Credit Transfer and Accumulation System (ECTS) for Master’s Degrees. The program is designed to provide advanced skills and a detailed knowledge base at the graduate level for individuals working in academia, industry or research settings in Kazakhstan or throughout the world.

## OUTLINE

**PROGRAMME STRUCTURE.** MSc CEE program runs over 4 semesters (2 years) where the students are required to complete 120 ECTS credits. A set of mandatory core courses guarantees competence in advanced mathematics, the four key areas of the program (Structural engineering, geo-technical engineering, environmental engineering, and construction management), classic and novel research methods and effective oral and written communication in the science and technology domain. The list of program elective courses include:

This MSc-CE program focusses on Infrastructure Systems, Transportation Systems and Vertical Structures. The MSc courses offered in this course build on the four core disciplines of Structural Engineering, Geo-technical Engineering, Environmental Engineering and Construction Management. The program is complemented by courses in Advanced Project Management, Research Methodology and Statistics and Probability.

Structural Dynamics and Earthquake Engineering; Advanced Concrete Technology; Structural Evaluation and Rehabilitation; Theory of Physico-chemical treatment processes; Contaminated Site Management and Soil Treatment Technologies; Environmental modeling development; Computational Geomechanics; Geotechnical Earthquake Engineering; Advanced Foundation Engineering; Building Information Modeling in Construction; Estimating and Financial Management in Construction; Principles and Applications of GIS and RS; Renewable Energy; Building Energy Analysis

## KEY FACTS

START	August 2020	LANGUAGES	English
PROGRAMME INTENSITY	Full-Time	DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

**GETTING A VISA.** International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistants positions are available
WORK AFTER GRADUATION	The MSc program is designed for students with undergraduate degrees in related fields such as Structural engineering and Materials, Geotechnical engineering, Environmental engineering and Construction Management to prepare them for professional practice in various positions: <ol style="list-style-type: none"><li>1. Local and international companies with different business profiles;</li><li>2. Self-motivated individuals who can run own companies (start-ups);</li><li>3. Academic careers at higher education institutions and research centers;</li><li>4. Civil servants for the government at national, regional and local level.</li></ol>



# COMPUTER SCIENCE, MSC

## ABOUT

**PROGRAMME TITLE.** MSC IN COMPUTER SCIENCE.

**SHORT OVERVIEW.** The Master of Science in Computer Science Program is a two-year program (120 ECTS credits) designed to provide students with advanced mastery of the core CS disciplines along with exposure to emerging areas (such as mobile and pervasive computing, multi-factor authentication, privacy and security, persistent data collection, “big data” analysis and data mining).

APPLICATION DEADLINE	May
DURATION	2 years Full-Time
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/msc-in-computer-science/">https://seng.nu.edu.kz/programs/graduate-programs/msc-in-computer-science/</a>

## OVERVIEW

Students will receive the knowledge and experience that demonstrates domain expertise, and the ability to either continue their educational training at the doctoral level or immediately utilize their training in key economic sectors such as government, business, industry, health care, and education. This program is distinguished by its progressive curriculum , that includes more credits

than in a typical program, with more courses, and a research thesis requirement. It offers physical resources for comprehensive learning (labs and equipment) and the diversity of the program faculty. The emphasis here lies in hands-on skills development, balancing between theory and entrepreneurial practice covering both traditional and emerging fields.

## OUTLINE

**PROGRAMME STRUCTURE**

Courses are designed with the deliberate approach that moves quickly from theory to practice. Year 1 consists mostly of core courses and 1 elective course. Year 2 consists of choice of elective courses, a laboratory practicum and writing a thesis. List of courses:

- CSCI 501 Software Principles and Practice
- CSCI 502 Hardware Software Co-Design
- CSCI 536 Wireless Sensor Networks
- CSCI 544 Data Mining and Decision Support
- CSCI 549 Seminar in Database Management
- CSCI 572 Intelligent Systems
- CSCI 591 Research Methods
- CSCI 592 Research Seminar
- CSCI 691 Thesis Proposal
- CSCI 692 Thesis
- SST 501 Teaching and Learning
- SST 502 Teaching and Practicum
- SST 503 Laboratory Practicum
- SST 504 Innovation and Entrepreneurship

START	August of each year
PROGRAMME INTENSITY	4 years Full-Time
LANGUAGES	English
DELIVERY MODE	On campus

## KEY FACTS

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa.
WORK WHILE STUDYING	Might be possible to work as teaching assistant or research assistant on campus with the 0.25 work rate
WORK AFTER GRADUATION	Program developer/engineer in different industries of business, technology and government areas; Further career in academia.





# DATA SCIENCE, MSC

## ABOUT

**PROGRAMME TITLE. MSC IN DATA SCIENCE**

**SHORT OVERVIEW.** The School of Science and Technology of Nazarbayev University is launching a new Master of Science in Data Science graduate program, starting in August 2019, with applications accepted until May 1st, 2019. The program is a two-year full-time program, consisting of 120 ECTS credits across four semesters. The program is aligned with the best- practices of the world’s leading programs, combining a thorough coverage of the fundamentals with innovative applications in a wide range of subject areas.

APPLICATION DEADLINE	May
DURATION	2 years Full-Time
WEBSITE	https://seng.nu.edu.kz/programs/graduate-programs/msc-in-data-sciences/

## OVERVIEW

The MSDS program will provide in-depth education in Data Science, incorporating fundamental concepts from disciplines such as Computer Science, Mathematics, Physics, Robotics, and related engineering fields. The program will include topics such as: Databases, Data Mining, Big Data, Business Analytics, Artificial Intelligence, Information Retrieval, Machine Learning, Deep Learning, Image and Video Processing, Bioinformatics, Cybersecurity, Data Analysis and Visualization, Mathematical and Statistical Modeling, Data Storage and Processing Infrastructures, and Cloud-based Solutions.

## OUTLINE

**PROGRAMME STRUCTURE.**

- The list of courses
- DISCIPLINE CORE (6) (36 ECTS)
  - CSCI 501 FUNDAMENTALS OF DATA SCIENCE – I (6 ECTS)
  - CSCI 502 FUNDAMENTALS OF DATA SCIENCE – II (6 ECTS)
  - CSCI 504 DATA MINING AND DECISION SUPPORT (6 ECTS)
  - CSCI 507 DATABASE MANAGEMENT SYSTEMS (6 ECTS)
  - MATH 540 STATISTICAL ANALYSIS (6 ECTS)
  - CSCI 545 BIG DATA ANALYTICS (6 ECTS)
  - INNOVATION PILLAR (18 ECTS)

- CSCI 551 PROCESS AND PROJECT MANAGEMENT (6 ECTS)
- SST 504 INNOVATION AND ENTREPRENEURSHIP (6 ECTS)
- CSCI 552 DATA-DRIVEN INNOVATION (6 ECTS)
- ELECTIVES (18 ECTS)
- CSCI 506 BIG DATA FILE STRUCTURES AND NOSQL DATABASES (6 ECTS)
- CSCI 508 MACHINE LEARNING (6 ECTS)
- CSCI 578 DATA SECURITY AND PROTECTION (6 ECTS)
- CSCI 580 INFORMATION RETRIEVAL (6 ECTS)
- MATH 541 DATA ANALYSIS AND STATISTICAL LEARNING

- CSCI 581 KNOWLEDGE ENGINEERING (6 ECTS)
- BIOL 580 APPLIED BIOINFORMATICS (6 ECTS)
- CSCI 584 DEEP LEARNING (6 ECTS)
- CSCI 585 STATISTICAL METHODS IN NATURAL LANGUAGE PROCESSING (6 ECTS)
- CSCI 587 SOCIAL MEDIA ANALYTICS (6 ECTS)
- CSCI 588 DESIGN AND ANALYSIS OF ALGORITHMS (6 ECTS)
- CSCI 512 INFORMATION THEORY (6 ECTS)
- ROBT 613 BRAIN-MACHINE INTERFACES (6 ECTS)
- ALL STUDENTS WILL TAKE THE COURSES IN RESEARCH METHODS AND RESEARCH SEMINAR;
- STUDENTS WILL SELECT EITHER THE THESIS OR NON-THESIS TRACK AS AN OUTCOME OF THE RESEARCH SEMINAR.
- RESEARCH TRACK (18 ECTS + 30 ECTS = 48 ECTS)
- SST 591 RESEARCH METHODS (6 ECTS)
- SST 592 RESEARCH SEMINAR (6 ECTS)
- SST 691 THESIS PROPOSAL (6 ECTS)
- SST 692 THESIS (30 ECTS)

## KEY FACTS

START	August	LANGUAGES	English
PROGRAMME INTENSITY	2 years Full-Time	DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa.
WORK WHILE STUDYING	Might be possible to work as teaching assistant or research assistant on campus with the 0.25 work rate
WORK AFTER GRADUATION	Graduates of the program might find jobs in following areas: Statistician Business intelligence reporting professional Data Analyst Data Mining or Big Data Engineer Program/Project Manager



# DOCTOR OF MEDICINE

## ABOUT

**TITLE. DOCTOR OF MEDICINE**  
**SHORT OVERVIEW**

The MD program is a professional doctorate degree which provides the competencies to practice medicine and the foundation to continue postgraduate medical training. It has been designed to be consistent with the model of graduate entry medical education and is competency based. The carefully designed curriculum structure features active and participatory learning, problem and team-based approaches, an early introduction to the patient and to the community and the integration of a rigorous foundation in basic and clinical biomedical sciences with the behavioral and social aspects of medicine.

APPLICATION DEADLINE	May
DURATION	4 years
WEBSITE	<a href="https://nusom.nu.edu.kz/kk/master-programs/">https://nusom.nu.edu.kz/kk/master-programs/</a>

## OVERVIEW

Nazarbayev University School of Medicine (NUSOM) offers a four-year curriculum based on the United States model designed to prepare physicians to become the new generation of leaders in Medicine and Health care in the Republic of Kazakhstan and globally. The NUSOM curriculum emphasizes both the science and the humanity of medicine throughout the students’ four years of study. The carefully designed curriculum structure features active and participatory

learning, problem and team-based approaches, an early introduction to the patient and the community, and the integration of a rigorous foundation in basic and clinical biomedical sciences with the behavioral and social aspects of medicine. Key subjects are longitudinally integrated throughout the spiral curriculum, building upon a foundation of prior learning while providing a progressive introduction of new content.

## OUTLINE

**PROGRAMME STRUCTURE**

The patient focus of the NUSOM curriculum begins on day one of the program with the Introduction to Being a Physician course. Medical interviewing and physical examination courses follow, along with exercises examining the many facets of physician life – at the patient’s bedside, in the community, and in society as a whole. Throughout the first two years, students develop and apply their new clinical skills at the hospitals and clinics of the University Medical Center (UMC) one afternoon per week. The Basic Science block runs through three-fourths of the first year and provides language and concepts that underlie the scientific basis of medical practice. Organ System block courses

integrate physiology, pathophysiology, pharmacology, and introduction to medicine, with concurrent courses in the Patient Care and Patient, Physician, and Society blocks. Weekly discussions, patient interviews, and examination of hospitalized patients reinforce essential clinical skills. The third-year curriculum consists of seven required clerkships designed to optimize the balance between inpatient and out-of-hospital learning opportunities. The fourth year includes an active internship, additional required and elective clerkships, and an integrated life sciences experience that revisits some aspect of basic science after students have several years of clinical experience.

## KEY FACTS

START	August
PROGRAMME INTENSITY	Full-time duration 4 years
LANGUAGES	English
DELIVERY MODE	On Campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	<b>STARTING FROM 2700 USD PER YEAR</b> * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships. Scholarships for International students are available.





# ECONOMICS, MA

## ABOUT

**PROGRAMME TITLE. MA IN ECONOMICS**

**SHORT OVERVIEW**

A Western graduate level economics program  
2-year funded all-English MA program  
High quality internationally recognized faculty drawn from North America, Europe, Africa, and Asia  
Advised and supported by a strategic partnership with

the University of Wisconsin-Madison (USA)  
Housing on campus with modern facilities, labs, library, and sports center  
Funding for your education - Acceptance into the MAE comes with a monthly stipend for the entire duration of the program (only for Kazakhstani citizens)

APPLICATION DEADLINE	May 12
DURATION	2 years
WEBSITE	<a href="https://ssh.nu.edu.kz/departments/department-of-economics/graduate-programs-and-courses/">https://ssh.nu.edu.kz/departments/department-of-economics/graduate-programs-and-courses/</a>

## OVERVIEW

Master of Arts in Economics (MAE) degree program will directly serve the exigent need of preparing highly qualified Economists. Graduate education in Economics involves the development of analytical, methodological, and applied skills. Developing students’ understanding of macro- and microeconomics will help them to function not only in the private sector, but also in industries that interface with government and governmental agencies (i.e. energy, manufacturing, NGO, and other firms). Training in data management, macroeconomic policies, optimization problems and other subjects that are part of the Economics curriculum will help students succeed and advance in a variety of professional environments.

For students interested in doctoral-level education, a Master’s degree in Economics demonstrates advanced research and academic skills that will facilitate their admission to Ph.D. programs in Economics, Business and other social sciences. Even in its first two years, our students were placed (with full funding) to the PhD programs of the following universities: Washington, Vienna, KU Leuven (multiple students), George Washington, Purdue and Wuppertal.

## OUTLINE

**PROGRAMME STRUCTURE**

- Microeconomics 1
  - Macroeconomics 1
  - Statistics
  - Math Econ
  - Microeconomics II
  - Macroeconomics II
  - Econometrics
  - Research Methodology
- Applied Econometrics
  - Elective 1
  - Elective 2
  - Thesis 1
  - Thesis 2
  - Elective 3

## KEY FACTS

START	August	LANGUAGES	English
PROGRAMME INTENSITY	2 years. Full-time	DELIVERY MODE	On Campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships.

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK WHILE STUDYING	Research Assistant or Teaching Assistant positions are available
WORK AFTER GRADUATION	<ul style="list-style-type: none"><li>— Professional economist careers</li><li>— Economics careers in banking</li><li>— Economics careers in accountancy</li><li>— Economics careers in business and financial consultancy</li><li>— Economics careers in the public sector, international organizations, and non-profit organizations</li><li>— Insurance, actuarial, and data analysis careers in economics</li></ul>



# EDUCATION, PHD

## ABOUT

**PROGRAMME TITLE. PHD IN EDUCATION**

**SHORT OVERVIEW**

The Ph.D. in Education program provides graduates with a wide range of skills, in-depth knowledge and understanding in their chosen fields of research. Upon completion of the program, graduates will be well prepared to conduct educational research in academic institutions, teach at tertiary institution level, engage in policy advisory and development, undertake educational leadership, or work in other areas with high levels of responsibility.

<b>APPLICATION DEADLINE</b>	April
<b>DURATION</b>	4 years
<b>WEBSITE</b>	<a href="https://gse.nu.edu.kz/en/programs/bachelors-program.html">https://gse.nu.edu.kz/en/programs/bachelors-program.html</a>

## OVERVIEW

The program provides an in-depth understanding of the nature, implementation and evaluation of educational developments in Kazakhstan and globally, focusing on the development of critical, collaborative leadership and research skills to enable graduates to contribute to the education sector. This Ph.D. program consists of a minimum of four years of research leading to a thesis. In addition, students are also required to complete coursework, and a study abroad at a partner

university. Each student will be guided and supported by an Advisory Committee. Upon recommendations of the Chair of her/his Advisory Committee, the Ph.D. student can be given additional time of up to 12 months to complete and submit the thesis after the four years of the program. This additional period will not include stipend or accommodation and is only considered as an extra time to complete and submit the thesis.

## OUTLINE

**PROGRAMME STRUCTURE.**

**CORE COURSES:**

Academic English for Doctoral Students, Education Research Methods, Globalization and Education, Educational Policy and Reform, Philosophy of Education, Kazakh Language for Educators, Preparation for Proposal

Defense, Advanced Methods of Educational Research, Doctoral Seminar, Proposal Defense, Dissertation Research, International Study, Introduction to Scholarship in Education, Teaching and Learning in the University Context: Curriculum, Pedagogy and Assessment.

## KEY FACTS

<b>START</b>	August
<b>INTENSITY</b>	Full-time duration. 4 years
<b>LANGUAGES</b>	English
<b>DELIVERY MODE</b>	On Campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

<b>TUITION FEE</b>	n/a
<b>FUNDING</b>	All students admitted to the Ph.D. in Education program are eligible for tuition and stipend funding by the government. All international students are considered for the merit based international student scholarships offered at the university.





# EDUCATIONAL LEADERSHIP, MSC

## ABOUT

**PROGRAMME TITLE. M.Sc. IN EDUCATIONAL LEADERSHIP (HIGHER EDUCATION, INCLUSIVE EDUCATION)**  
**SHORT OVERVIEW**

The M.Sc. in Educational Leadership program is designed to provide working education professionals with the skills, knowledge and capacities necessary to lead for change within their work institutions, their professional communities, and the larger society.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://gse.nu.edu.kz/en/programs/magistracy.html">https://gse.nu.edu.kz/en/programs/magistracy.html</a>

## OVERVIEW

The M.Sc. in Educational Leadership program provides advanced skills for individuals working in schools, academic, policy-making, and research settings. The program provides an in-depth understanding of the nature, implementation and evaluation of educational reform and internationally, focusing on the development

of critical, collaborative, leadership and research skills to enable graduates to contribute to the education sector. The program offers three different areas of specialization: Higher Education, Inclusive Education and School Education.

## OUTLINE

**PROGRAMME STRUCTURE**

**CORE COURSES:**  
Introduction to Educational Leadership, Educational Context and Reform in Kazakhstan, Research Methods, Internship Project, Work-based Project, Learning to Work, Thesis Seminar, Academic English, Kazakh Language for Educators

**INCLUSIVE EDUCATION:**  
Inclusive education: Curriculum Design: Perspectives on Addressing Barriers to Teaching and Learning (Including SEN), Education Policy Analysis and Development, Inclusive Education: Policy Perspectives , Psychology of Learning (Children as Learners), Theories of Inclusive Education, Comparative and International Education, Designing and Managing Education for Gifted and Talented Learners

**SCHOOL EDUCATION:** Assessment: Theories, Policies, Practices; Curriculum Design and Management, Foundations of Early Childhood Education, Preparing Children for the Future: Skills and Employability, Professional Identity, Psychology of Learning (Children as Learners), School Improvement and Effectiveness, Student Discourse and Argumentation: Theories, Practices and Policies

**HIGHER EDUCATION:** Applying Educational Leadership in Kazakhstan, Comparative and International Education, Education Policy Analysis and Development, Fundamentals of Higher Education, Higher Education Finance, Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education , Perspectives on Teacher Education, Organization and Governance in Higher Education

## KEY FACTS

START	August
INTENSITY	Full-time 2 years
LANGUAGES	English
DELIVERY MODE	Low-residency (on campus) intensive sessions and blended/distance learning)

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	<b>STARTING FROM 2700 USD</b> * indicated tuition amount with highest discount applied
FUNDING	All students admitted to the M.Sc. in Educational Leadership program are eligible for tuition and stipend funding by the government. All international students are considered for the merit based international student scholarships offered at the university.



# ELECTRICAL AND COMPUTER ENGINEERING, MSC

## ABOUT

**PROGRAMME TITLE. MSC IN ELECTRICAL AND  
COMPUTER ENGINEERING**

**SHORT OVERVIEW**

The MSc in ECE program offers a 1 year of course work followed by a 1 year of applied research thesis in four major directions.

**THE PROGRAM HAS FOLLOWING DIRECTIONS:**

(1) Circuits and Systems,

(b) Communications and Signal Processing,  
(3) Power Systems and Energy, and  
(4) Computer Engineering.

The program aims to prepare students to take up leading roles in industry and/or prepare them to pursue doctoral degrees. The program have global outlook with its graduates prepared to take-on challenges relavent to creating local and international impact.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-electrical-and-computer-engineering/">https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-electrical-and-computer-engineering/</a>

## OVERVIEW

The MSc ECE provides a comprehensive technological and scientific preparation for engineers in 2 key areas of Electrical and Computer Engineering: (a) Electrical Engineering; and (b) Computer Engineering.

## OUTLINE

**PROGRAMME STRUCTURE**

MSc in ECE is a 4 semester (2 years) program having a total of 120 ECTS credits.

The first year largely focus on course work required to build a strong foundation in the areas of

- (1) Circuits and Systems,
- (2) Communications and Signal Processing,
- (3) Power Systems and Energy, and
- (4) Computer Engineering.

The second year is dedicated for an applied research project focusing on an Engineering problem often relevant to industry. The courses are expected to be hands-on and in-depth coverage on a broad set of topics. Students select their project topic in the second semester, identify the supervisor to work the applied research project, which is often a funded research assistant position, working on a realistic engineering problem. There is a large selection of electives offered every year that students can select to complement the research specialization.

## KEY FACTS

START	August
INTENSITY	Full-time
LANGUAGES	English
DELIVERY MODE	On-campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships.

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistants positions are available
WORK AFTER GRADUATION	The graduates of the MSc in ECE find jobs in semiconductor, power, IT and telecommunication industry. Our graduates are placed in some of the leading multinational and national companies. In addition, several of our students pursue research careers continue further studies in PhD program.



# ENGINEERING MANAGEMENT, MEM

## ABOUT

**PROGRAMME TITLE. MASTER OF ENGINEERING  
MANAGEMENT**

**SHORT OVERVIEW**

The Master of Engineering Management degree program is offered by the School of Engineering and Digital Sciences in partnership with the Graduate School of Business at Nazarbayev University.

The aim of the program is to prepare students with the technical skills and business knowledge for leadership of engineering-related units of enterprises with innovative solutions for complex business problems.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/master-of-engineering-management/">https://seng.nu.edu.kz/programs/graduate-programs/master-of-engineering-management/</a>

## OVERVIEW

The program emphasizes adapting and applying analytical, mathematical/optimization and computing skills and scientific knowledge into business practice. It is the MBA of the engineers. Students learn about project management, operations management, supply chain management, engineering management, engineering economy, quality and lean management, big data and information management,

marketing, R&D management, new product development, entrepreneurship, business ethics, business strategy, business communication, leading change and innovation, and many other aspects of managing a successful business. MEM is a very popular program attracting many candidates every year. The main reason is that all our graduates find a good job upon graduation or they improve their current job position.

## OUTLINE

**PROGRAMME STRUCTURE**

Master of Engineering Management (MEM) students are required to complete 120 ECTS credits in 4 semesters. Graduate School of Business (GSB) courses are offered at the Second Semester and are all block-based delivered as intensive three weeks courses. SEDS courses are offered at the other three semesters and are all long semester fourteen weeks’ courses.

## KEY FACTS

START	August
INTENSITY	Full-time
LANGUAGES	English
DELIVERY MODE	On campus with industry visits for capstone projects

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships.

## VISA

GETTING A VISA	International students are getting visa support
----------------	---

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistants positions are available
WORK AFTER GRADUATION	*Engineering Project Manager. *Logistics and Supply Chain Manager *Senior Lead Analyst. *Operations Manager *Quality Manager *Cost Systems Analyst. *Production Manager *Services Unit Manager *Industrial and System Management Engineer *Plant Manager.





# EURASIAN STUDIES, MA

## ABOUT

**PROGRAMME TITLE. MA IN EURASIAN STUDIES**  
**SHORT OVERVIEW**

The Eurasian MA is an interdisciplinary program that combines Anthropology, History, Literature, Political Science, Religious Studies and Sociology. We define Eurasia inclusively, comprising not just the five post-Soviet republics of Central Asia, but Xinjiang, Mongolia,

Afghanistan, the Caucasus, Russia and Eastern Europe. We believe the Eurasian MA will allow you to explore a wide range of intellectual interests, to receive a rigorous training in your chosen field, and to take an interdisciplinary approach to whatever research questions you develop.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://ssh.nu.edu.kz/departments/department-of-political-science-and-international-relations/graduate-studies/">https://ssh.nu.edu.kz/departments/department-of-political-science-and-international-relations/graduate-studies/</a>

## OVERVIEW

The first multi-disciplinary Area Studies program in Kazakhstan and the wider region focusing on Eurasia 2-year funded all-English MA program of 120 ECTS credits.  
Taught by internationally recognized faculty  
Advised and actively supported by the partnership with the University of Wisconsin-Madison (USA)  
An exciting opportunity to explore the cultures, languages, histories, communities, societies, and politics of Eurasia.  
Includes the five post-Soviet Central Asian states, Russia, Eastern Europe, Mongolia, Xinjiang, and neighboring regions of South Asia, China and the Middle East

An unrivalled concentration of scholars with Eurasian expertise, spanning the disciplines of Anthropology, Economics, History, Literature, Oriental Studies, Philosophy, Political Science, and Sociology  
Advanced academic training for pursuing careers in research, government, international organizations, academia, or other fields.  
Study in Astana, at the heart of Eurasia, with unparalleled access to archives, fieldwork sites, government agencies, international organizations, and foreign diplomats  
Housing on campus with modern facilities, labs, library and sports center.  
Awards “Master of Arts in Eurasian Studies” degree.

## OUTLINE

**PROGRAMME STRUCTURE**

Core courses  
EAS500 Introduction to Eurasia  
EAS501 General Methodology  
EAS506 Qualitative Methods and Research Design

EAS502 Disciplinary Methodology  
ANT/SOC/REL/HST/WLL/PLS Electives  
EAS505 Summer Research and fieldwork practicum  
EAS503 Thesis I  
EAS504 Thesis II

## KEY FACTS

START	August
INTENSITY	Full-time. 2-years
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2500 USD PER YEAR * indicated tuition amount with highest discount applied
FUNDING	Merit-based scholarships.

## VISA

GETTING A VISA	International students are getting visa support
----------------	---

## WORK

WORK WHILE STUDYING	Research Assistant or Teaching Assistant positions are available
WORK AFTER GRADUATION	<ul style="list-style-type: none"><li>- Research</li><li>- International organizations</li><li>- Academia</li><li>- Policy-making</li><li>- Journalism</li><li>- NGOs</li><li>- Government service</li></ul>



# EURASIAN STUDIES, PHD

## ABOUT

**PROGRAMME TITLE. PHD IN EURASIAN STUDIES PROGRAM**

**SHORT OVERVIEW.** PhD program in Eurasian Studies is designed to train versatile and internationally competitive scholars by combining a core curriculum

APPLICATION DEADLINE	May
DURATION	4 years
WEBSITE	<a href="https://ssh.nu.edu.kz/academics/phd-in-eurasian-studies/">https://ssh.nu.edu.kz/academics/phd-in-eurasian-studies/</a>

## OVERVIEW

Our program combines a core curriculum of key concepts in the humanities and social sciences, practical training in necessary writing and research techniques and ethics, and rigorous subject-specific training across at least two disciplines. Students have the space, time and flexibility they need to write a doctoral thesis that makes an original contribution to the field. Funding opportunities for research abroad and co-supervision by NU and non-NU experts enables our students to develop a truly international profile.

We train students to become versatile and internationally competitive scholars on the Eurasian region. Graduates

from this doctoral program share a range of qualities and abilities, as well as field-specific skills that make them both “interdisciplinary” and “flexible.” Truly interdisciplinary research demonstrates a solid grounding in one discipline and sufficiently deep training in one or more others, which enables the scholar to build real bridges between various disciplines. Graduates of this program combine strong disciplinary and interdisciplinary training with a first-hand knowledge of the region, a command of the primary and secondary sources consistent with world-class scholarship on this region of the world, knowledge of requisite research languages and excellent academic English.

## OUTLINE

**PROGRAMME STRUCTURE**

**CORE MODULES:**

Introduction to Eurasia  
Critical Issues in Eurasian Studies  
Proseminar in Eurasian Humanities OR Proseminar in Eurasian Social Sciences  
Dissertation Research I  
Dissertation Research II

**ELECTIVE MODULES:**

Discipline 1 Elective A

Advanced Academic Writing  
Discipline 1 Elective B  
Discipline 2 Elective A  
Open Elective 1  
Doctoral Seminar in Eurasian Studies I  
Discipline 2 Elective B  
Discipline 1 or 2 Elective C  
Open Elective 2  
Doctoral Seminar in Eurasian Studies II  
Open Elective 3

## KEY FACTS

START	August
INTENSITY	Full-time. 4-years
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

**FUNDING** | Merit-based scholarships. Scholarships for International students are available.

## VISA

**GETTING A VISA** International students are getting visa support

## WORK

WORK WHILE STUDYING	Research Assistant or Teaching Assistant positions are available
WORK AFTER GRADUATION	- Academia - Research - Government - International organizations



# FINANCE, MSC

## ABOUT

**PROGRAMME TITLE. MSC IN FINANCE**

**SHORT OVERVIEW.** The NUGSB Master of Science in Finance program is a specialized, quantitative course of study for highly motivated individuals seeking a career

in the field of finance. The MSc in Finance program will equip young professionals with the knowledge, skills, and ability to add value and succeed in relevant positions in finance whether in public or private sector organizations.

APPLICATION DEADLINE	May
DURATION	15 months
WEBSITE	<a href="https://gsb.nu.edu.kz/programs/msc-in-finance/">https://gsb.nu.edu.kz/programs/msc-in-finance/</a>

## OVERVIEW

More specifically, the 15 month program provides students with a solid conceptual, quantitative and practical foundation on which to launch and/or advance a career in a finance-related field. Graduates typically pursue job opportunities in investment banking, financial planning, corporate finance, financial analysis and advising, and in insurance, construction, and real estate. MSc in Finance graduates aspiring to leadership and management positions often pursue the MBA degree after acquiring a few years of work experience.

## OUTLINE

**PROGRAMME STRUCTURE**

**CORE**  
Financial Accounting, Business Communication, Statistical Methods, Principles of Finance, Financial Markets and Institutions, Financial Modeling, Corporate Finance, Financial Economics, Financial Econometrics, Investments I, Ethics, Governance and Regulation, Investments II, Advanced Econometrics

**ELECTIVE**  
International Finance, Islamic Banking and Finance, Insurance and Actuarial Science, Private Equity, Big Data, Competitive Policy in Banking

**ADDITIONALS**  
Orientation week: Start your MSF journey with building lifelong relationships with your classmates and a foundation of business knowledge and skills which are required to succeed on the program.

**CAREER WEEKS:** You will be equipped with skills and strategies to achieve professional goals during career weeks.

**LONDON RESIDENCY:** Travel to London, UK, to gain global business experience, visit world financial center and the London Stock Exchange

Residency at the National Bank of Kazakhstan Get to know an institution which is central to economic and financial regulation in Kazakhstan

**INTERNSHIP:** Build your business competency with a field study project

**MASTER’S THESIS:** Apply your knowledge to solve a real business problem

Distinguished Speakers Series: Engage with industry captains, thought leaders, business executives

## KEY FACTS

START	August
INTENSITY	This program is intensive requiring full time commitment from you, students are not permitted to hold full-time jobs during the program, and are required to fully commit to the academic and non-academic requirements of the program participation
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	<b>USD 35 000</b> All self-sponsored students receive a discounted tuition rate of USD 14 000
FUNDING	Merit-based scholarships





# MBA, EXECUTIVE

## WORK

WORK WHILE STUDYING | yes

## ABOUT

**PROGRAMME TITLE. EXECUTIVE MBA**  
**SHORT OVERVIEW.** The Executive MBA (EMBA) program provides a unique learning environment for executive students by bringing together working professionals from diverse backgrounds.

APPLICATION DEADLINE	May
DURATION	21 months
WEBSITE	<a href="https://gsb.nu.edu.kz/programs/executive-mba/">https://gsb.nu.edu.kz/programs/executive-mba/</a>

## OUTLINE

**PROGRAMME STRUCTURE**  
The EMBA program consists of 90 ECTS.The EMBA program is designed to facilitate the development of general management skills for entrepreneurs and individuals who are seeking to increase their business skillset and advance their careers. While the core curriculum provides a foundation in all the functional areas of business, students have the opportunity to specialize through electives and EMBA Thesis. Students will also develop a wider scope through their US residency providing students an opportunity to learn a global context, while expanding their personal and professional networks.

## KEY FACTS

START	August
PROGRAM INTENSITY	Weekend-based (1 class will be delivered 5 days in 2 weeks - Saturday,Sunday,Monday,Saturday.Sunday)
LANGUAGES	English with simultaneous translation into Russian
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 21

## TUITION AND FUNDING OPTIONS

TUITION FEE	USD 84 000 *Discounts are applicable
LIVING COSTS	Accommodation, food, study materials are included into the tuition fee
FUNDING	NUGSB offers discounts to certain categories of the applicants/companies. Given the different cost structure, discounts should be discussed with School management



# MBA, FULL-TIME

## ABOUT

**PROGRAMME TITLE. FULL-TIME MBA**  
**SHORT OVERVIEW.** Our MBA is a full-time program that plays a key role in our mission to develop the next generation of business leaders in Kazakhstan and Central Asia. Intended for early to mid-career professionals, our MBA program provides you with the skills, knowledge, and mindset needed to manage effectively in global business environments.

APPLICATION DEADLINE	April
DURATION	15 months
WEBSITE	<a href="https://gsb.nu.edu.kz/programs/full-time-mba/">https://gsb.nu.edu.kz/programs/full-time-mba/</a>

## OVERVIEW

**ABOUT.**  
The starting point for the development of the curriculum is the set of competencies required by future global leaders. Such leaders need to understand the business risks and opportunities of social, political, cultural and environmental trends. They also have to learn to manage production capacity in a world in which traditional resources are dwindling, and to lead in the face of complexity and ambiguity. They also have to understand the ethical basis on which business decisions are being made. They need to be able to identify all the stakeholders who have an influence on their organization, and to engage in effective dialogue and build partnerships with these stakeholders.

Our MBA program relies on multi-disciplinary faculty, and offers an unparalleled ability to help you go beyond the basics by exposing you to cutting-edge research and top business leaders.

You will also learn to be flexible, to find creative ways of solving problems, to balance short- and longer-term considerations, to communicate and engage in effective dialogue, to negotiate and develop partnerships. Your leadership skills will also be developed through project-based learning and other forms of experiential learning, enhanced by structured reflection and coaching.

## OUTLINE

**PROGRAMME STRUCTURE**  
**CORE**  
Financial Accounting, Statistics, Management & Organizations, Economics, Operations Management, Finance, Marketing, Strategy, Leadership, Entrepreneurship

**ELECTIVES**  
Raising Capital, Supply Chain Management, Emerging Markets Strategy, International Finance, Strategic Marketing, Negotiations, Managerial Accounting, Pricing, Corporate Finance, Entrepreneurial Finance

## KEY FACTS

START	August
PROGRAM INTENSITY	This program is intensive requiring full time commitment from you, students are not permitted to hold full-time jobs during the program, and are required to fully commit to the academic and non-academic requirements of the program participation
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 16800 USD
FUNDING	There are several scholarship opportunities that can cover up to the entire cost of tuition for domestic and international applicants. Decisions regarding scholarship are made on a merit basis, and are usually communicated separately after the end of all admission rounds



# MECHANICAL AND AEROSPACE ENGINEERING, MSc

## ABOUT

**PROGRAMME TITLE. MSc IN MECHANICAL AND AEROSPACE ENGINEERING**

**SHORT OVERVIEW.** The MSc in Mechanical & Aerospace Engineering provides a comprehensive technologic and scientific preparation for engineers in 3 (three) key areas of Mechanical and Aerospace Engineering:

- (a) Applied Mechanics;
- (b) Energy and Thermofluids; and
- (c) Engineering Design, Materials and Manufacturing, in perfect alignment with today’s technological challenges.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-mechanical-and-aerospace-engineering/">https://seng.nu.edu.kz/programs/graduate-programs/master-of-science-in-mechanical-and-aerospace-engineering/</a>

## OVERVIEW

**ABOUT.** MSc in Mechanical and Aerospace Engineering (MSc-MAE) Students are required to complete 120 ECTS credits, in 4 semesters, which satisfies requirements stipulated by the Bologna Process and the European Credit Transfer and Accumulation System (ECTS) for

Master’s Degrees. The program is focusing on research and has been designed to provide advanced skills and a detailed knowledge base at the graduate level for individuals working in academia, industry, or research settings throughout the world.

## OUTLINE

**PROGRAMME STRUCTURE**

MSc MAE program runs over 4 semesters (2 years) where you are required to complete 120 ECTS credits. A master thesis begins in the 3rd semester (1st semester of the 2nd year) and completes in the final semester of the Master’s course where you will be asked to demonstrate your familiarity with the current literature in the field; defend your thesis proposal; analyze and evaluate results; support your findings in a scholarly manner according to

disciplinary norms and finally, defend your thesis work. A set of mandatory core courses guarantees competence in advanced mathematics, the three key areas of the program (Applied Mechanics, Energy and Thermofluids, and Engineering Design, Materials and Manufacturing), classic and novel research methods and effective oral and written communication in the science and technology domain.

## KEY FACTS

START	August
PROGRAM INTENSITY	Full-time
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR
FUNDING	Merit-based scholarships

## VISA

**GETTING A VISA** International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistants positions are available
WORK AFTER GRADUATION	By delivering an MSc at an international standard level, we are offering our master’s students future opportunities in terms of PhD and positions in research centers, locally or abroad.





# MINING ENGINEERING, MSC

## ABOUT

PROGRAMME TITLE. M.SC. IN MINING ENGINEERING

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://smg.nu.edu.kz/en/programs/graduate-programs.html">https://smg.nu.edu.kz/en/programs/graduate-programs.html</a>

## OVERVIEW

**ABOUT.** The Master of Science (MSc) in Mining Engineering degree is a specialized graduate program offered by the School of Mining and Geosciences (SMG) Department of Mining Engineering at Nazarbayev University (NU). Students are required to complete 120 ECTS credits, in 4 semesters, which satisfies the requirements stipulated by the Bologna Process and

the European Credit Transfer and Accumulation System (ECTS) for Master’s Degrees. The program is designed to establish advanced skills and a detailed knowledge base at the graduate level for individuals working in academia, industry or research settings in Kazakhstan or throughout the world.

## OUTLINE

### PROGRAMME STRUCTURE

The program consists of course work as well as research components. The first year of the degree covers the advanced level of knowledge in mining engineering and prepares the student to conduct research in the second year of their studies. In the second year, students are expected to develop and practice research within the area of the mining engineering discipline. Furthermore, the program will also give students a wide variety

of skills in problem solving, teamwork and effective communication. The distinctive feature of the program as compared to similar programs in Kazakhstan is the overall structure of the course content which covers a broader spectrum of the Mining Engineering field with a stronger research emphasis, rather than being area-specific.

## KEY FACTS

START	August
PROGRAM INTENSITY	Full-time
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2800 USD
FUNDING	Merit-based scholarships

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistant positions are available
WORK AFTER GRADUATION	<p><b>MINING AND TUNNELING:</b> Geotechnical Engineering, Project and Contracts Manager, Drill and Blast Operator, Ventilation, Civil Constructions such as Dams, Highway, Building Foundation</p> <p><b>GOVERNMENT:</b> Mines Inspectorate, Leasing, Geological Surveys, Environmental Monitoring, environmental Monitoring; National Aeronautics and Space Administration (NASA) and European Space Agency (ESA)</p> <p><b>CONSULTANT:</b> Project Coordination, Financial Analysis, Equipment Optimization, Explosives Applications</p> <p><b>BUSINESS DEVELOPMENT:</b> Project Management, Environmental Consultant, Marketing</p> <p><b>ACADEMIA:</b> University Teaching, Research, Recognition and Consulting</p> <p>Further to this, graduates are expected to fill positions in national and/or international firms that require expertise in aeronautical &amp; aerospace engineering, applied mechanics, engineering design, energy applications, and advanced materials and manufacturing techniques.</p>



# MINING ENGINEERING, PHD

## ABOUT

PROGRAMME TITLE. PHD IN MINING ENGINEERING

APPLICATION DEADLINE	May
DURATION	4 years
WEBSITE	<a href="https://smg.nu.edu.kz/en/programs/phd-programs.html">https://smg.nu.edu.kz/en/programs/phd-programs.html</a>

## OVERVIEW

**ABOUT.** The PhD program in Mining Engineering is designed to provide advanced skills and a sophisticated knowledge base at the expert level for individuals planning a career in academic, industry and research settings in any of the subfields of the Mining Engineering discipline. The program focuses on the development of an in-depth understanding of the nature, implementation and evaluation of mining engineering principles and applications together with the growth of research skills.

The overarching aim of the program is to develop high quality doctoral researchers who are ready and able to make a lasting contribution to addressing scientific, technological, economic, societal and environmental challenges of global significance. Upon completion of the PhD program, students will be capable of designing and conducting independent, innovative, original and high-quality research related to a variety of topics in mining engineering.

## OUTLINE

### PROGRAMME STRUCTURE

The PhD program includes core courses and a set of disciplinary or interdisciplinary elective courses. The core courses are Research Methods and Ethics, Statistics, Advanced Mine Geomechanics, Current Research Literature, Advanced Mining Systems and Thesis Research, Doctoral Thesis. The rest first year courses offered are electives to allow PhD students tune their coursework to their sub-disciplines. Elective courses

to support the development of postgraduate research students, to extend and test their knowledge in their research discipline. The program encourages the student mobility for a period of one or two semesters in a host university abroad in order to provide the students with international experience.

\*The research visit must be fully justified and approved by the PhD Program Committee managing the PhD Program and must count with source of funding.

## KEY FACTS

START	August
PROGRAM INTENSITY	Full-time
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

FUNDING	Merit-based scholarships. Scholarships for International students are available.
---------	--

## VISA

GETTING A VISA	International students are getting visa support
----------------	---

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistant positions are available
WORK AFTER GRADUATION	<b>INDUSTRY:</b> Geotechnical Engineer, Project and Contracts Manager, Excavation Engineer, Mechanized Excavation, Drill and Blast, Ventilation, Mining and Civil Constructions such as Dams, Highway, Mine Access and Transportation <b>GOVERNMENT:</b> Mines Inspectorate, Research Developer, Leasing, Geological Surveys, Environmental Monitoring, Environmental Monitoring; National Aeronautics and Space Administration (NASA) and European Space Agency (ESA) <b>CONSULTANT:</b> Project Coordination, Financial Analysis, Equipment Optimization, Mining and Geotechnical Applications <b>BUSINESS DEVELOPMENT:</b> National and International Consultant, Marketing <b>ACADEMIA:</b> Teaching, Research, Recognition and Consulting



# MOLECULAR MEDICINE, MMM

## ABOUT

**PROGRAMME TITLE. MASTER OF MOLECULAR MEDICINE (MMM) PROGRAM**  
**SHORT OVERVIEW.** Currently, there is no other MMM program available in Kazakhstan making this Nazarbayev University School of Medicine (NUSOM) initiative unique. The two-year MMM degree offered at NUSOM is based on the highest international standards. The School of Medicine provides highly-qualified international faculty.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://nusom.nu.edu.kz/master-of-molecular-medicine-program/">https://nusom.nu.edu.kz/master-of-molecular-medicine-program/</a>

## OVERVIEW

**THE AIMS OF THE MMM PROGRAM ARE:**  
To transfer competence and knowledge in the rapidly advancing field of molecular medicine;  
To find innovative ways of preventing, treating and diagnosing diseases;  
To provide students with specialized research skills that enable them to translate laboratory discoveries into medical treatments;  
To attain marketable skills in biomedicine;  
To form a brand new generation of professionals capable of contributing to the technological innovation and growth of Kazakhstan.  
MMM Program Learning Outcomes  
The MMM at NUSOM is a two year full-time program designed to give students knowledge and skills at the forefront of molecular medicine as well as a solid foundation for a career in biomedical research. Taught courses cover, but are not limited to, the molecular basis of infection, immunology & inflammation, cancer, neurological disorders, genetic disease, therapeutics, research bioethics, medical bioinformatics, biostatistics and entrepreneurship/industrial partnerships. ‘State of the art’ research facilities will enable students to engage in cutting edge research on important biomedical issues relevant to human health and disease.

**ON SUCCESSFUL COMPLETION OF THE PROGRAM, GRADUATES WILL BE ABLE TO:**  
1) Demonstrate, in both oral and written form, specialized knowledge of core subjects in the Molecular Medicine program.  
2) Apply intellectual critical thinking and problem solving and analytical skills to research in molecular medicine.  
3) Perform technical scientific experiments with precision and accuracy.  
4) Exhibit written and oral communication skills that enable the clear dissemination of complex scientific information.  
5) Carry out research and scientific responsibilities in accordance with ethical and professional standards.  
6) Demonstrate the knowledge and skills to translate laboratory findings into medical treatments.

## OUTLINE

<b>PROGRAMME STRUCTURE</b> Year 1 Semester 1 (ECTS 30) Molecular Basis of Infection (ECTS 6) Molecular Pathology of Cancer (ECTS 6) Molecular Basis of Genetic Disease (ECTS 6) Inferential Biostatistics (ECTS 6) Entrepreneurship (ECTS 4) Biocomputing (ECTS 2)  Year 1 Semester 2 (ECTS 30) From the Bench to the Bedside: Drug Development and Clinical Trials (ECTS 6) Natural Medicine (ECTS 6) Critical Analysis of the Contemporary Concepts in Molecular Medicine (ECTS 6) Research Methods in Molecular Biomedicine (ECTS 6) Molecular Immunology (ECTS 4) Molecular Basis of Chronic Inflammation (ECTS 2)	Year 2 Semester 1 (ECTS 30) Molecular Basis of Neurological Disorders (ECTS 6) Bioethics in Research, Principles and Practice (ECTS 6) Recombinant Drugs (ECTS 6) Electives (ECTS 12)  Year 2 Semester 2 (ECTS 30) Experimental Research Project and Thesis (ECTS 30)
---	--

KEY FACTS	START	August	LANGUAGES	English
	PROGRAM INTENSITY	2 years Full-time	DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2800 USD
FUNDING	Merit-based scholarships

## VISA

**GETTING A VISA** International students are getting visa support

## WORK

**WORK AFTER GRADUATION** Students who complete this program will be eligible to undertake a PhD either in Kazakhstan or abroad or work in industry, diagnostic services or pursue a career in academic medicine. The program will also be suitable for clinicians interested in a clinical academic career.





# MULTILINGUAL EDUCATION, MA

## ABOUT

**PROGRAMME TITLE. MASTER OF ARTS IN MULTILINGUAL EDUCATION**

**SHORT OVERVIEW.** The M.A. in Multilingual Education covers theories, policies and practices of multilingual education, and is closely linked to trilingual education. This program focuses on the development of teaching, curriculum development, assessment, policy analysis, and research skills in the areas of educational language policy in general, and language teaching in particular. It is a full-time two-year program.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://gse.nu.edu.kz/en/programs/refresher-courses.html">https://gse.nu.edu.kz/en/programs/refresher-courses.html</a>

## OVERVIEW

The M.A. in Multilingual Education program enables students to develop global, international, and critical skills to be utilized as human capital for ensuring the development of future generations to meet the challenges of a rapidly changing world. Leaders, policy makers, teacher trainers, and administrators develop in-depth understanding of the nature, implementation and evaluation of education in a globalized, multilingual, and international context.

**ON SUCCESSFUL COMPLETION OF THE PROGRAM, GRADUATES WILL BE ABLE TO:**

- 1) Demonstrate, in both oral and written form, specialized knowledge of core subjects in the Molecular Medicine program.
- 2) Apply intellectual critical thinking and problem solving and analytical skills to research in molecular medicine.
- 3) Perform technical scientific experiments with precision and accuracy.
- 4) Exhibit written and oral communication skills that enable the clear dissemination of complex scientific information.
- 5) Carry out research and scientific responsibilities in accordance with ethical and professional standards.
- 6) Demonstrate the knowledge and skills to translate laboratory findings into medical treatments.

## OUTLINE

**PROGRAMME STRUCTURE**

**CORE COURSES:**  
Research Methods, Introduction to Linguistics, Educational Context and Reform in Kazakhstan, Foundations of Multilingual Education, The Multilingual School, Multilingual Curriculum Development and Assessment, Perspectives on Inclusion and Special Education, Thesis Research, Advanced English for Education Professionals, English for Thesis Writing, Kazakh Language for Educators

**ELECTIVE COURSES:**  
Language and Literacy Development, Principles and Methods of Language Education in Multilingual Contexts, The Plurilingual Individual, Globalization and Language Education, Language Planning and Policy, Critical Issues in Multilingual Education in Kazakhstan, Leadership in Multilingual Education, Language Policy and Education Reform across Contexts

## KEY FACTS

START	August
PROGRAM INTENSITY	Full-time duration. 2 years
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	N/A
FUNDING	Merit-based scholarships



# PETROLEUM ENGINEERING, MSc

## ABOUT

**PROGRAMME TITLE. M.Sc. IN PETROLEUM ENGINEERING**

<b>APPLICATION DEADLINE</b>	April
<b>DURATION</b>	2 years
<b>WEBSITE</b>	<a href="https://smg.nu.edu.kz/en/programs/graduate-programs.html">https://smg.nu.edu.kz/en/programs/graduate-programs.html</a>

## OVERVIEW

**ABOUT.** The Petroleum Engineering postgraduate program at Nazarbayev University is a two-year, full-time MSc degree program designed to provide students with a scientific background in hydrocarbon exploration, reservoir management, productions, and skills in the practical aspects of petroleum engineering. This program aims to train engineering professionals who can design, operate and manage petroleum operations as well as develop research skills and knowledge to provide support to the oil & gas industry to have sound, safe, and sustainable petroleum operations.

## OUTLINE

**PROGRAMME STRUCTURE**  
Different courses in reservoir engineering, drilling engineering, production engineering, and petrophysics will be offered in the first year. In the second year the focus will be on the research and completion of thesis. Different capabilities such as literature review, proposal preparation, presenting seminars, and writing thesis will be also improved in students to provide high quality research.

## KEY FACTS

<b>START</b>	August
<b>PROGRAM INTENSITY</b>	Full-time
<b>LANGUAGES</b>	English
<b>DELIVERY MODE</b>	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

<b>TUITION FEE</b>	<b>STARTING FROM 2800 USD</b>
<b>FUNDING</b>	Merit-based scholarships

## VISA

**GETTING A VISA** International students are getting visa support

## WORK

<b>WORK PERMITS</b>	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
<b>WORK WHILE STUDYING</b>	Research assistant positions are available
<b>WORK AFTER GRADUATION</b>	<ul style="list-style-type: none"><li>— National and international oil and gas companies</li><li>— Midstream companies (oil and gas transportation, pipelines design and management)</li><li>— Geothermal energy companies</li><li>— Research and development sectors in Energy</li><li>— Academia as a teaching/ research faculty</li><li>— Governmental sectors and private companies as consultant</li><li>— Oil/gas and energy startups</li></ul>



# PETROLEUM ENGINEERING, PHD

## ABOUT

**PROGRAMME TITLE. PHD IN PETROLEUM ENGINEERING**

APPLICATION DEADLINE	April
DURATION	4 years
WEBSITE	<a href="https://smg.nu.edu.kz/en/programs/phd-programs.html">https://smg.nu.edu.kz/en/programs/phd-programs.html</a>

## OVERVIEW

**ABOUT.** The PhD program in Petroleum Engineering in the School of Mining and Geosciences is designed to provide advanced skills and a sophisticated knowledge base at the expert level for individuals planning a career in academic, industry and research settings in Petroleum Engineering. The program focuses on the enhancement of Petroleum Engineering knowledge by advanced courses and development of research skills at high level.

By the completion of the program, students will be capable of designing and conducting independent, innovative and high-quality research related to a variety of topics in Petroleum Engineering. In addition, program graduates will be prepared for working in industrial and academic environments including positions of university faculty members, senior researchers, engineers and product developers.

## OUTLINE

### PROGRAMME STRUCTURE

The PhD program includes core courses and a set of disciplinary or interdisciplinary elective courses. Students would be expected to spend the first 18 months building their knowledge background in their field of study by passing these courses and defending their subject and research comprehensive examinations. Upon a successful outcome, in the next 30-36 months, all PhD candidates would be expected to conduct research and defend their thesis. The program encourages the student mobility for a period of 1 or 2 semesters in a host university abroad in order to provide the students with international experience.

\*The research visit must be fully justified and approved by the PhD Program Committee managing the PhD Program and must count with source of funding.

## KEY FACTS

START	August
PROGRAM INTENSITY	Full-time
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

FUNDING	Merit-based scholarships. Scholarships for International students are available.
---------	--

## VISA

GETTING A VISA	International students are getting visa support
----------------	---

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	Research assistant positions are available
WORK AFTER GRADUATION	<ul style="list-style-type: none"><li>— National and international oil and gas companies</li><li>— Midstream companies (oil and gas transportation, pipelines design and management)</li><li>— Geothermal energy companies</li><li>— Research and development sectors in Energy</li><li>— Academia as a teaching/ research faculty</li><li>— Governmental sectors and private companies as consultant</li><li>— Oil/gas and energy startups</li></ul>





# PHYSICS, MSc

## ABOUT

**PROGRAMME TITLE. MSc IN PHYSICS**

**SHORT OVERVIEW.** The two year 120 ECTS MSc Program in Physics is designed to train students as competent physicists who would continue either with their Ph.D. studies for future academic appointments or turn to professional careers in industry within research and development companies, or in public sector.

APPLICATION DEADLINE	May
DURATION	2 years Full-Time
WEBSITE	<a href="https://ssh.nu.edu.kz/academics/graduate-programs-2/#top8">https://ssh.nu.edu.kz/academics/graduate-programs-2/#top8</a>

## OVERVIEW

A career in physics is exciting because physicists are trained to be natural problem solvers and creative thinkers. Economy is undergoing a transformation that reflects worldwide trends – the know-hows and technical innovations become the most important asset. In order to develop the necessary underlying technologies to support this transformation, highly skilled physicists and engineers are required.

If you like the freedom of active discovery, the power of invention, the language of mathematics, and a good-sized paycheck, then physics is a great career choice.

## OUTLINE

**PROGRAMME STRUCTURE**

The 1st year of the program consists of compulsory core courses designed to give a solid fundamental knowledge. Students choose elective courses in the beginning of 2nd year to specialize in the area of their interest. The focus of the last semester is Thesis work. Initial Placement Test. Students take initial test after admission to the program that evaluates the students and advises them on the course materials to follow. Tests basic Physics knowledge (Classical mechanics, Classical electrodynamics, Quantum mechanics, Statistical physics).

**24 ECTS CREDITS OF MSc-LEVEL BASIC**

**PHYSICS COURSES:** Classical mechanics, Classical electrodynamics, Quantum mechanics, Statistical physics (These courses can be partially or fully substituted by research and/or specialized elective courses).  
24 ECTS credits for electives: taken from Physics or other electives of SSH.

The students will gain profound systematic knowledge in physics and develop the ability to identify and use theoretical knowledge in the context of real-life phenomena and engineering applications in technology innovation and entrepreneurship. The graduates are expected to acquire advanced analytical, mathematical, computational and experimental skills corresponding to the subjects of their Master projects. Students are expected to become exposed to the international research environment.

6 ECTS credits for innovation and entrepreneurship.  
36 ECTS credits for research courses, i.e. seminar, research project and thesis proposal development.  
30 ECTS credits for the Masters thesis.

## KEY FACTS

START	August
PROGRAM INTENSITY	2 years Full-Time
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR
FUNDING	Merit-based scholarships

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa.
WORK WHILE STUDYING	teaching assistant or research assistant positions on campus with the 0.25 work rate
WORK AFTER GRADUATION	Graduates of the program will have advanced research skills that will enable them to make significant ongoing contributions in technologically diverse environments, both in Kazakhstan and abroad.



# POLITICAL SCIENCE AND INTERNATIONAL RELATIONS, MA

## ABOUT

**PROGRAMME TITLE. MA IN POLITICAL SCIENCE AND INTERNATIONAL RELATIONS**

**SHORT OVERVIEW** Launched in the Fall 2014, MAPSIR is the first graduate level political science and international relations program taught in English in Kazakhstan. A

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://ssh.nu.edu.kz/departments/departments-of-political-science-and-international-relations/graduate-studies/">https://ssh.nu.edu.kz/departments/departments-of-political-science-and-international-relations/graduate-studies/</a>

## OVERVIEW

The first English-language graduate level political science and international relations program in Kazakhstan 2-year funded all-English MA program with the possibility for study abroad. Taught by internationally-recognized faculty drawn from North America, Europe, Africa, and Asia, with PhDs from North American or European universities Advised and actively supported by the Political Science Department of the University of Wisconsin-Madison

## OUTLINE

**PROGRAMME STRUCTURE**

- Core Seminar in International Relations
  - Core Seminar in Comparative Politics
  - Advanced Research I
  - Core Seminar in Political Theory
  - Advanced Research II
- Thesis planning
  - Thesis Research and Writing
  - Electives
  - Thesis Writing

wide array of courses is offered by an internationally recognized faculty drawn from North America and Europe. The program was developed in consultation with the Political Science Department of the University of Wisconsin-Madison (USA).

## KEY FACTS

START	August
PROGRAM INTENSITY	2 years Full-Time
LANGUAGES	English
DELIVERY MODE	On campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2500 USD PER YEAR
FUNDING	Merit-based scholarships

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	Research Assistant or Teaching Assistant positions are available
WORK AFTER GRADUATION	<ul style="list-style-type: none"><li>National and local government</li><li>Academia</li><li>International organizations</li></ul>



# PUBLIC ADMINISTRATION, MPA

## ABOUT

**PROGRAMME TITLE. MASTER IN PUBLIC ADMINISTRATION**

**SHORT OVERVIEW** The MPA degree will equip public managers with knowledge and skills to be able to meet the dynamic challenges of the public sector in the fields of strategic management and leadership, financial management, public service modernization, and human resource management. In addition, it will improve students’ understanding of the global dimensions in

public administration and governance reforms, as well as business models applied to the public sectors of the developed countries.

Studying in the MPA program will provide students with an invaluable opportunity to benefit from joining a network of practitioners from diverse backgrounds from the business, public and non-profit sectors, and obtain mutual support by sharing ideas and experience

APPLICATION DEADLINE	May
DURATION	1.5 years
WEBSITE	<a href="https://gspp.nu.edu.kz/en/programs/master-programs/master-in-public-administration/">https://gspp.nu.edu.kz/en/programs/master-programs/master-in-public-administration/</a>

## OVERVIEW

The Master in Public Administration (MPA) is a program which is designed for professionals seeking rigorous education and training in public administration. It will give students a strong foundation in policy formulation, analysis and implementation as well as in policy and program evaluation. GSPP expects its graduates to serve in a wide range of middle to senior-level positions in public and private sectors as well as international and non-profit organizations.

- GSPP also provides student exchange - a full semester at the National University of Singapore, Lee Kuan Yew School of Public Policy, KDI School of Public Policy and Management or School of Public Administration and Policy at Renmin University
- Programs are taught in English with strategic partner – Lee Kuan Yew School of Public Policy in Singapore
- Innovative teaching methods and curricula.
- GSPP faculty members are top professors from Singapore, UK, USA, Pakistan, Greece, Canada, Kazakhstan, Turkey, and India.
- GSPP students have the opportunity to study 2-3 weeks in Singapore in Master programs and up to 3 months in the PhD program

## OUTLINE

**PROGRAMME STRUCTURE**  
18 months (92 ECTS)

**YEAR 1**

- Public Administration in Theory and Practice
- Economic Applications for Public Managers
- Research Methods for Decision Making
- Semester 2
- Strategic Management and Leadership
- Elective I
- Elective II

**SUMMER TERM:**

- Accountability, Financial and Performance Management
- Masters Project proposal
- Singapore Component

**YEAR 2**

- Elective III
- Elective IV
- Elective V
- Masters Project presentation and submission

## KEY FACTS

START	August
PROGRAM INTENSITY	MPA is an 18-month full-time program, and its modules are taught on Fridays and Saturdays. The curriculum is developed in such a way that the number of hours and ECTS corresponds to a regular full-time master level program.
LANGUAGES	English
DELIVERY MODE	On campus. MPA is an 18-month full-time program, and its modules are taught on Fridays and Saturdays.

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

FUNDING	Merit-based scholarships
---------	--------------------------

## VISA

GETTING A VISA	International students are getting visa support
----------------	---

## WORK

WORK PERMITS	International students are allowed to work depending on visa type and course schedule
WORK WHILE STUDYING	MPA is an 18-month full-time program, and its modules are taught on Fridays and Saturdays.
WORK AFTER GRADUATION	Public sector - in government, civil service, international organizations, social research and non-profit organizations as policy analysts, policy innovators; staff members for political leaders. Private sector - in education administration, HR and public affairs, government relations consultancy. Advanced research – PhD in Public Policy or other overseas PhDs





# PUBLIC HEALTH, MPH

## ABOUT

**PROGRAMME TITLE. MASTER OF PUBLIC HEALTH (MPH) PROGRAM**  
**SHORT OVERVIEW.** The two-year Master of Public Health (MPH) degree offered in the Nazarbayev University School of Medicine is based on the highest international standards. As an offering of the School of Medicine, we provide additional highly-qualified faculty, and teaching and research resources not found in MPH programs outside of medical schools.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://nusom.nu.edu.kz/admissions/md-program-medical-students/">https://nusom.nu.edu.kz/admissions/md-program-medical-students/</a>

## OVERVIEW

The Master of Public Health program provides graduates with skillsets and competencies based on the latest international standards that are required for careers in health administration and management, health education and health promotion, epidemiological health and disease research, health behavioral research, biostatistics, health systems and facilities research, and health policy development. The competencies acquired from this program are sought by a broad variety of employers both in public and private sectors nationally and internationally.

## OUTLINE

**PROGRAMME STRUCTURE**  
Principles of Public Health Problem Solving, Principles of Analytical Epidemiology, Inferential Biostatistics, Emerging Infectious Diseases, Qualitative Research Methods, Biostatistical Modeling and Sampling Schemes, Advanced Analytical Epidemiology, Social and Behavioral Sciences in Public Health, Problem Investigations in Environmental Health, Health Services Management, Health Economics and Health Policy I, Master’s Project Planning, Health Services Management, Health Economics and Health Policy II, Methods in Public Health, Health Education and Health Promotion, Graduate Research Seminar, Master’s Project Implementation, Elective.

## KEY FACTS

START	August
PROGRAM INTENSITY	2 years Full-time
LANGUAGES	English
DELIVERY MODE	On campus.

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2800 USD
FUNDING	Merit-based scholarships

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	n/a
WORK WHILE STUDYING	n/a
WORK AFTER GRADUATION	Health-related positions in the United Nations (WHO, UNICEF, UNDP, UNAIDS and others) and unilateral international agencies (USAID) almost always require or prefer candidates with MPH degrees. There is a growing need for MPH trained personnel as administrators, researchers and assessment specialists in hospitals and other health institutions. In the private sector pharmaceutical, health insurance and biotechnology companies are hiring public health professionals. Sometimes MPH graduates start their own businesses.



# PUBLIC POLICY, MPP

## ABOUT

**PROGRAMME TITLE. MASTER IN PUBLIC POLICY**  
**SHORT OVERVIEW.** The MPP programme gives students a strong foundation in policy formulation and analysis, program evaluation, and management. The aim of the MPP degree programme is to provide students with the administrative and analytical competence, as well as leadership skills and theoretical background, to drive change internationally.

APPLICATION DEADLINE	May
DURATION	2 years full-time
WEBSITE	<a href="https://gspp.nu.edu.kz/en/programs/master-programs/master-in-public-policy/">https://gspp.nu.edu.kz/en/programs/master-programs/master-in-public-policy/</a>

## OVERVIEW

**ABOUT.** Master in Public Policy (MPP) program launched in 2013 is designed to bring up highly skilled professional policy-makers and analysts in the public, private or non-profit sectors.

- Programs are taught in English with strategic partner – Lee Kuan Yew School of Public Policy in Singapore
- Innovative teaching methods and curricula
- GSPP faculty are top professors from Singapore, UK, USA, Pakistan, Greece, Canada, Kazakhstan, Turkey, and India
- GSPP students have the opportunity to study 2-3 weeks in Singapore in Master programs and up to 3 months in the PhD program
- GSPP also provides student exchange - a full semester at the National University of Singapore,

## OUTLINE

PROGRAMME STRUCTURE	
MASTER IN PUBLIC POLICY PROGRAM STRUCTURE - 2 YEARS (128 ECTS)	
SEMESTER 1	ELECTIVE II
MICROECONOMICS AND PUBLIC POLICY	ELECTIVE III
STATISTICAL TECHNIQUES FOR PUBLIC POLICY	ELECTIVE IV
INTRODUCTION TO PUBLIC POLICY AND ANALYSIS	SEMESTER 3
PUBLIC POLICY RESEARCH AND EVALUATION	MACROECONOMICS & PUBLIC POLICY
SEMESTER 2	PUBLIC MANAGEMENT AND LEADERSHIP
POLITICS AND PUBLIC POLICY	POLICY RESEARCH DESIGN AND METHODOLOGY
	ELECTIVE I
	POLICY ANALYSIS EXERCISE PROPOSAL
	SINGAPORE COMPONENT
	SEMESTER 4
	ELECTIVE V
	ELECTIVE VI
	PAE PRESENTATION & SUBMISSION

## KEY FACTS

START	August
PROGRAM INTENSITY	Full - time
LANGUAGES	English
DELIVERY MODE	2 years full-time & thesis preparation and submission in years 3 & 4

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	Merit based scholarships are available
FUNDING	Merit based scholarships are available

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work depending on visa type and course schedule
WORK WHILE STUDYING	-
WORK AFTER GRADUATION	Public sector - in government, civil service, international organizations, social research and non-profit organizations as policy analysts, policy innovators; staff members for political leaders Private sector - in education administration, HR and public affairs, government relations consultancy Advanced research – PhD in Public Policy or other overseas PhDs



# PUBLIC POLICY, PHD

## ABOUT

**PROGRAMME TITLE. PHD IN PUBLIC POLICY**  
**SHORT OVERVIEW (3-5 SENTENCES).** There are at least three distinctive features of the proposed PhD program. First, it is designed to be a high quality award comparable to those offered in top public policy schools in Asia, North America and the UK. Second, highly qualified, research active, faculty with a breadth of local and international experience will deliver the program and supervise students. The teaching and supervision will therefore be research-led. Third, our strategic partnership with Lee Kuan Yew offers extensive potentially global networking opportunities for our PhD students.

APPLICATION DEADLINE	May
DURATION	4 years
WEBSITE	<a href="https://gspp.nu.edu.kz/en/programs/phd/phd-in-public-policy/">https://gspp.nu.edu.kz/en/programs/phd/phd-in-public-policy/</a>

## OVERVIEW

**ABOUT.** Starting from 2017 GSPP launched its first doctorate level degree – PhD in Public Policy (a 4-year program).  
**THE AIMS OF THE PHD PUBLIC POLICY PROGRAM ARE:**  
To provide a doctoral program of international standing which will attract high calibre candidates who will make a contribution to applied public policy.  
To contribute to the economic and social welfare of Kazakhstan through the supply of outstanding doctoral graduates in public policy with functional expertise in these areas.  
To build sustainability into the higher education sector in Kazakhstan through the provision of future faculty trained to international standards of teaching and research.

To strengthen the research base of decision making in the public sector in Kazakhstan through the supply of highly trained researchers.  
To add to existing scholarship on public policy in Central Asia through peer-reviewed publications emanating from the work of PhD students/graduates.  
To raise the profile of GSPP as a School well-known for its research and scholarship.  
The program structure comprises: 10 core courses, 2 electives, a thesis proposal and PhD qualifying examination taken the first two years, followed by the thesis preparation and written submission in years 3 & 4. The two electives modules will be drawn from an existing list of approved courses currently available at Masters level in GSPP but with different learning outcomes and assessment strategies. The overall 4-year program equates to 240 ECTS.

## OUTLINE

**PROGRAMME STRUCTURE**  
**YEARS 1 & 2:**  
10 core courses and 2 electives  
Thesis design and proposal  
PhD qualifying examination

**YEARS 3 & 4:**  
Thesis preparation and writing (70,000 words)  
PhD Viva Voce examination  
Research and teaching assistant opportunities  
Opportunity to spend up to 3 months abroad

## KEY FACTS

START	August
PROGRAM INTENSITY	10 core courses, 2 electives, a thesis proposal and PhD qualifying examination taken the first two years, followed by the thesis preparation and written submission in years
LANGUAGES	English
DELIVERY MODE	2 years full-time & thesis preparation and submission in years 3 & 4

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

FUNDING	Merit based scholarships
---------	--------------------------

## VISA

GETTING A VISA International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work depending on visa type and course schedule
WORK WHILE STUDYING	Opportunities for research projects
WORK AFTER GRADUATION	Public sector - in government, civil service, international organizations, social research and non-profit organizations as policy analysts, policy innovators; staff members for political leaders Private sector - in education administration, HR and public affairs, government relations consultancy Academia





# ROBOTICS, MSc

## ABOUT

**PROGRAMME TITLE. MSc IN ROBOTICS**  
**SHORT OVERVIEW (3-5 SENTENCES).** The two year 120 ECTS MSc Program in Robotics is designed to prepare students to work as professional scientists and engineers who can excel in academia, public policy, and private business fields in the field of robotics.

The curriculum was designed with respect to electrical, mechanical and artificial intelligence aspects of the modern robotics systems. Graduates will develop an advanced understanding of the critical issues involved in the design of robotic systems in a global economy as well as of the emerging proliferation of robotics in the service sector.

APPLICATION DEADLINE	May
DURATION	2 years
WEBSITE	<a href="https://seng.nu.edu.kz/programs/graduate-programs/msc-in-robotics/">https://seng.nu.edu.kz/programs/graduate-programs/msc-in-robotics/</a>

## OVERVIEW

**ABOUT.** The program intends to prepare graduates for jobs in growing priority sectors of the world, including multiple manufacturing sectors, such as machinery, energy, chemistry, electronics and innovation. Graduates of the program will have advanced research skills that would enable them to explore important questions in intelligent systems and make significant ongoing contributions in technologically diverse and dynamic economic environments, both in Kazakhstan and abroad.

## OUTLINE

**PROGRAMME STRUCTURE**  
The 1st year of the program consists of compulsory core courses designed to give a solid fundamental knowledge. Students choose elective courses in the beginning of 2nd year to specialize in the area of their interest. The focus of the last semester is Thesis work.

**ELECTIVE COURSES ARE:**

- ROBT 601 Human Robot Interaction
- ROBT 602 Mobile Robotics
- ROBT 605 Robotic Motion Planning
- ROBT 607 Humanoid Robots
- ROBT 609 Biorobotics
- ROBT 611 Industrial Robotics

In the 1st year students are also expected to take couple of Computer Science courses like CSCI 501 Software Principles and Practice and CSCI 502 Hardware Software Co-Design

## KEY FACTS

START	August
PROGRAM INTENSITY	2 years Full-Time
LANGUAGES	English
DELIVERY MODE	On Campus

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2700 USD PER YEAR
FUNDING	Merit based scholarships

## VISA

**GETTING A VISA** International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa.
WORK WHILE STUDYING	teaching assistant or research assistant positions on campus with the 0.25 work rate
WORK AFTER GRADUATION	Graduates of the program will have advanced research skills that would enable them to explore important questions in intelligent systems and make significant ongoing contributions in technologically diverse and dynamic economic environments, both in Kazakhstan and abroad.



# SCIENCE, ENGINEERING AND TECHNOLOGY, PHD

## ABOUT

**PROGRAMME TITLE. PHD IN SCIENCE, ENGINEERING AND TECHNOLOGY**

**SHORT OVERVIEW.** Nazarbayev University stimulates, supports and sustains a vibrant research and intellectual environment across and between disciplines for

APPLICATION DEADLINE	May
DURATION	4 years
APPLICATION FEE	14 000 KZT (ABOUT 40 USD)
WEBSITE	<a href="https://seng.nu.edu.kz/programs/phd-program/">https://seng.nu.edu.kz/programs/phd-program/</a>

## OVERVIEW

**ABOUT.** The PhD program is typically conducted over 48 months full time. Each student will develop their personal and professional skills and their PhD program as part of the core curriculum courses. The program includes the possibility of taught courses (during the first three years) to support the development of postgraduate research students, to extend and test their knowledge in their research discipline. Each student will be required to formally defend their PhD proposal at the end of their first year. The program also progresses into a 36 month period dedicated to their research topic, from which a demonstrable original contribution to the knowledge

postgraduate and early career researchers. Focusing on investment and development in training, resources and facilities, the PhD Program in Science, Engineering and Technology provides an outstanding quality experience for those in the early stages of their research careers.

pool will be assessed through a viva voce. In total, the student would be expected to spend the first 42 months conducting research and the remaining 6 months to finalize the thesis before defending their research. Continuation into a 5th year is possible upon approval and may come with specific requisites and stipulations. The program includes the possibility of a mobility period in a host university abroad in order to provide the students with international experience. The research visit must be fully justified and approved by the PhD Program Committee managing the PhD Program.

## OUTLINE

### PROGRAMME STRUCTURE

1 year of Coursework & Preparation of Research Proposal + Research Proposal Examination (end\_of\_1st-year) + 3 years of Research + PhD Thesis Writing and Defense

## KEY FACTS

START	August
INTENSITY	Full-Time
LANGUAGES	English
DELIVERY MODE	with optional visit to international host institution

## ADMISSIONS

FOR INFORMATION PLEASE REFER TO PAGE 22

## TUITION AND FUNDING OPTIONS

TUITION FEE	STARTING FROM 2300 USD
FUNDING	Merit-based scholarships, grants

## VISA

**GETTING A VISA** International students are getting visa support

## WORK

WORK PERMITS	International students are allowed to work ON CAMPUS 10 hrs/week during the study period with a current student visa. At summer semester while no classes are held the students are allowed to work 40 hrs/week.
WORK WHILE STUDYING	TA and RA positions are available and encouraged
WORK AFTER GRADUATION	Our PhD Program focuses on developing a new generation of globally competitive scientists, researchers and developers of new technologies. Graduating students may work in the academia or research departments in the industrial sector.

