



ROSATOM

Free nuclear education in Russia



How is nuclear energy used?

Power generation

- Nuclear energy is used in 30 countries
- 448 power units in operation
- The aggregate capacity of all NPPs is currently equal to about 391,744 MW

Medicine

- Radionuclide and brachytherapy
- Sterilization and eduction
- Production of radiopharmaceutical

Biotechnology

- Food industry
- Agriculture
- Disinfection of food and agricultural products



Chemistry

- Biofuel production
- Production of composite materials
- Polymer modification

Ecology

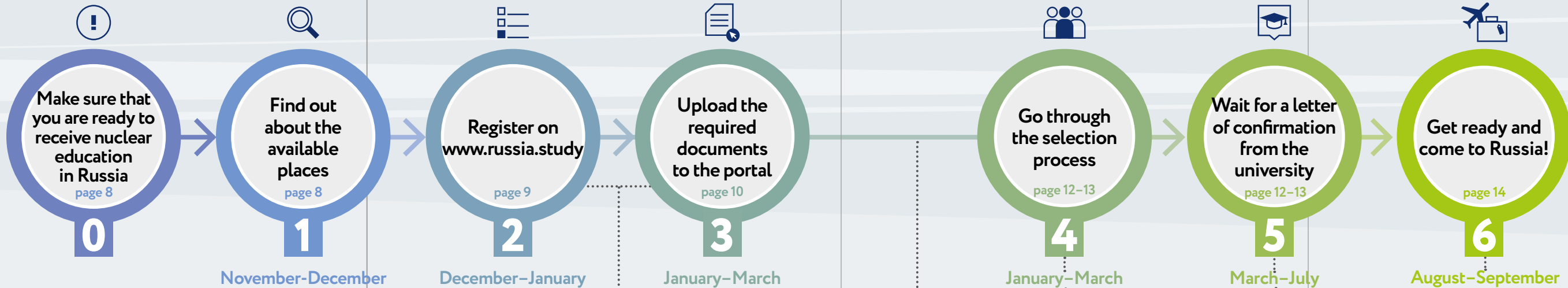
- Sewage water treatment and water desalination
- Disinfection of medical waste
- Nondestructive testing

Other areas

- World heritage preservation: artefacts, archival documents, books
- Treatment of leather, tissues, etc.
- Treatment of end products and raw materials for beauty care products and perfume products

Education in Russia: How to enroll

WHAT DO YOU NEED TO DO?



1st
september

ACADEMIC YEAR BEGINS

Track your application
form status on
www.russia.study

Filling in the application

Checking

Application accepted

Invited for test

Test done

Selected for scholarship (quota)

Dossier completed

Second distributive level

Distributed

Directed

Enrolled

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What is ROSATOM and why it promotes the education of international students?

www.rosatom.ru



The State Atomic Energy Corporation ROSATOM is the Russian corporation, one of the leaders in the global nuclear technology market. Today, ROSATOM brings together over **300 enterprises and organizations**, including the world's only nuclear icebreaker fleet.



ROSATOM holds **first place for the largest portfolio of foreign construction projects** (34 NPP Units in 12 countries) worth \$133.4 billion. The Corporation ranks second in the world in terms of uranium reserves and fourth in terms of production.



Operating nuclear energy facilities in the future requires highly qualified specialists, that Rosatom already offers to partner countries.



Thomson Reuters international news agency ranked ROSATOM among the top **10 global innovation leaders in the field of nuclear power**.



Training of talented foreign citizens in the nuclear field in the Russian Federation is **free of charge-within the scholarship (quota) of the Government of the Russian Federation**.

° The remaining expenses related to education are paid by the student in addition: medical insurance, plane tickets, clothes, educational literature, etc.

What is nuclear education in Russia?

You can choose to enroll in one of the following ROSATOM partner universities that offer degree programs to international students in nuclear specialties:

National Research Nuclear University MEPhI
mephi.ru/eng

Peter the Great St. Petersburg Polytechnic University
spbstu.ru

Saint Petersburg State University
spbu.ru

ST. PETERSBURG

MOSCOW

Nizhny Novgorod State Technical University named after R. E. Alekseev
nntu.ru

NIZHNY NOVGOROD

Ural Federal University named after the first President of Russia B. N. Yeltsin
urfu.ru

YEKATERINBURG

TOMSK

National Research Tomsk Polytechnic University
tpu.ru

National Research University Moscow State University of Civil Engineering "MGSU"
mgsu.ru

National Research University Moscow Power Engineering Institute
mpei.ru

National University of Science and Technology MISiS
misis.ru

Chemical Faculty of Moscow State University named after M.V. Lomonosov
chem.msu.ru



VLADIVOSTOK

Far Eastern Federal University
dvfu.ru

Total enrolled



170,000

International students



More than
17,000
from 130 countries

Nobel Prize winners



20

Higher education and Additional professional education in Russia

Fields of study and specialties

Higher education	0	Preparatory (pre-university) courses	→ Specialization →	• Educational programs • Educational programs
	1	Specialist degree	→ Field of study →	• Educational programs • Educational programs
		Bachelor's degree	→ Field of study →	• Educational programs • Educational programs
	2	Master's degree	→ Field of study →	• Educational programs • Educational programs • Educational programs
	3	Postgraduate studies	→ Field of study →	• Educational programs • Educational programs
Additional professional education	4	Summer/winter schools	→ Field of study →	• Educational programs
	5	Additional professional education	→ Field of study →	• Educational programs

Higher education in Russia:

Higher education in Russia consists of three levels. In 2003, Russia joined the Bologna Process (Bachelor's degree – Master's degree – Postgraduate studies). Some educational programs offered by Russian universities are taught in English, in full or in part. International students who don't speak Russian can benefit from an additional one-year course:

- **Preparatory (pre-university) courses (or starter level) (1 year):** students learn the Russian language, as well as improve their knowledge in secondary school subjects related to their future field of study, in order to prepare for the university course. Preparatory courses are free.

The first level of Russia's higher education includes the stages listed below:

- **Bachelor's degree (4 years);**
- **Specialist degree (5–5,5 years)** – this level of higher education is specific to Russia, and is designed to enable students to master complex educational programs in high-technology;

You can choose one of these stages, getting an education at any stage already guarantees you a full higher education. A graduation certificate (school diploma) is required to apply for enrollment in a higher education institution.

Master's degree is the second level of education (2 years).

You can enroll in a Master's degree program upon completing a Bachelor's degree (or Specialist degree);

The third level of education consists of **postgraduate studies (3 to 4 years)** for training researchers and professors. This level features in-depth research. A Master's or Specialist degree is required to enroll. You will need to submit a research paper as part of your application form.

All of the above degree programs (except for postgraduate studies) can be taken in full, or as part of **internships**.

Additional professional education in Russia:

- **summer/winter schools** are short-term courses offered by universities (ranging from 1 week to 2 months) on nuclear energy and other fields of study;
- **additional professional education** consists of short-term educational programs designed to expand students' professional knowledge and skills (72 hours to 2 years).

What do you need to do to study in Russia?



Make sure that you are ready to receive nuclear education in Russia

For your successful study at the university, you must have knowledges in [physics, mathematics, as well as in natural science subjects](#).

Contact [the Russian Center for Science and Culture or the Russian embassy/consulate](#) in your country to learn about the available places for nuclear education and training programs, as well as the opportunities offered by Russian universities and their requirements.

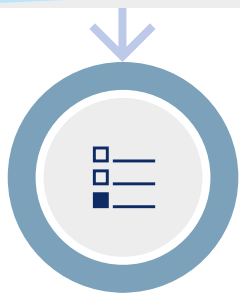


Operating nuclear energy facilities requires [highly qualified specialists](#). Every year ROSATOM assists international partners in training future personnel of nuclear power facilities.



Find out about the places available for nuclear education and training in Russia





Register on www.russia.study Fill in the application form

2

14.00.00 Nuclear energy/technology

Preparatory courses		Engineering and technology
Specialist degree	14.05.01	Nuclear Reactors and Materials
	14.05.02	Nuclear Power Plants: Design, Operation and Engineering
	14.05.03	Isotope Separation Technology and Nuclear Fuel
Bachelor's degree	14.03.01	Nuclear Power Engineering and Thermal Physics
	14.03.02	Nuclear Physics and Technologies
Master's degree	14.04.01	Nuclear Power Engineering and Thermal Physics
	14.04.02	Nuclear Physics and Technologies
Postgraduate studies	14.06.01	Nuclear, Thermal and Renewable Energy and Related Technologies

- 2.1 Fill in the [application form](#) and don't forget to leave your [contact information](#) (telephone number, additional email addresses) that will be used throughout the application process.
- 2.2 You will receive a letter at your [email address](#) provided during registration. Please note that the email addresses can't be changed during the selection process.
- 2.3 Click on the link in the letter and continue to fill in the [application form](#).
- 2.4 Go to section «Programs», choose the [educational program](#) (in the field «Group of educational programs» choose «14.00.00 Nuclear energy technology»), and fill in the level of education (Bachelor's degree, Specialist, Master's degree, Postgraduate studies, Additional professional education). The choice of the education level in Russia depends on the education you already have. Choose [up to six universities and rank them](#) by priority with «1» being your first choice. Indicate whether you speak Russian.
- 2.5 In the application form, provide information on [where you intend to obtain your visa](#) (please check the address of the Russian embassy/consulate in advance).





Prepare the required documents and upload their scanned copies with your application form on www.russia.study



- **Document on the current level of education (graduation certificate, diploma).**
If you haven't received your diploma or graduation certificate by the time you need to submit the application form, provide an extract from your grade book / Undergraduate Academic Transcript (for the last semester/trimester/quarter) reflecting your academic performance.¹
- **Passport (ID card)** valid for at least 1.5 years after your planned arrival in Russia (otherwise, your visa application will be refused).¹ In some countries, candidates need to receive a visa reference before obtaining a passport. Please contact the Russian embassy/consulate in your country to find out about the required documents.
- **HIV/AIDS Test Certificate.**
- **Medical certificate** issued by a medical institution in the country of your permanent residence on the absence contre-indication for you to study in Russia.
- If you applying for postgraduate studies, you have to submit a **research paper** detailing your research interests, and the highlights of your research project.

All of the abovementioned documents must be **translated into Russian and notarized**. You need to upload their scans in your application form. For more information on requirements regarding translation and nostrification of documents, as well as the cost of these services, contact the Russian embassy/consulate or the Russian Center for Science and Culture in your country.

After successful completing of the application form, don't forget to click «**Submit Application**». If your application form isn't processed **within 10 business days**, contact the Russian embassy/consulate or the Russian Center for Science and Culture in your country.

After that, **follow status** updates for your application form at www.russia.study changing to «**Application accepted**» and then to «**Invited for test**».

¹ These documents are required for taking part in the test



4 Pass the test at the Russian Center for Science and Culture or Russian embassy/consulate

You will [receive an invitation for test](#) by email or in your personal account at www.russia.study stating the venue and date of your test. Please take with you your passport or another identification document, notepad and pen.

The format of the test is determined by the Russian embassy/consulate or the Russian Center for Science and Culture in your country. [The selection process](#) may include several stages, including a written part, an oral part and an interview. The test may feature a [test of your knowledge](#) in mathematics and physics, as well as an evaluation of whether you are [interested and ready](#) to study in Russia.

If you succeed in the test, you will receive a notification in your personal account at www.russia.study on the approval of your application form by the employees of the Russian Center for Science and Culture or Russian embassy/consulate (application form status will change to **«Test done»**, **«Selected for scholarship (quota)»**, **«Dossier completed»**). If you don't pass the test, you will not be entitled to study under the scholarship (quota) this year. You can prepare and try again next year. In this case your status will be **«Not passed selection for scholarship (quota)»**.



5 Get a confirmation from one of the selected universities

After the successful passing of the selection stage in your country, the application form and the attached documents on www.russia.study are forwarded with to the second stage – to the universities indicated in your application form. All the universities you select will review your application form, and one of them will offer you a place. In this case, your application form status at www.russia.study will change to **«Distributed»**.



You can find out at www.russia-edu.ru about your university placement as well as whether your visa reference is ready. To do that, enter your registration (identification) number from www.russia.study on the homepage of www.russia-edu.ru in the section «Track your application».

In your country, a nuclear energy commission or national education authority may be in charge of selecting students for nuclear education and training programs. For more details contact the Russian Center for Science and Culture or Russian embassy/consulate.



**Get ready and
come to Russia!**



Migration registration

If your visa reference number appears in your profile, you can pick up your visa at the Russian embassy/consulate.

You will need the following documents:

- foreign passport (ID card);
- application form (download form at visa.kdmid.ru);
- two 3.5 by 4.5 cm color photos printed on any kind of photo paper.

This is the [basic list](#) of documents. Other documents may be required particularly [in your country](#). Please check with the Russian embassy/consulate.

Get in touch with the university and check the date of your arrival

When the Russian university you plan to attend is selected, contact the international relations department of the university using an email to coordinate the date of your arrival and arrange for airport transfer. You can find the university contacts at www.russia.study.

Your application form status will change to **«Directed»**, which means that the Ministry of Education and Science of the Russian Federation prepared a personal referral on your name and sent it to your university.

What you need to know while travelling to Russia?



The academic year at Russian universities begins on **September 1** for students who speak Russian. Those who don't speak Russian and take preparatory courses begin their academic year on **October 1**. Universities set the beginning and end dates for summer and winter schools, additional professional education and internships.



When crossing the Russian border, you will be handed a **migration card** by border control officers. Please check that it is properly filled out and make sure not to lose it until you leave the Russian territory!



Upon your arrival at the university, you will need to **register** with the Russian Interior Ministry migration desk within three (3) business days. To do that, you will need the following documents: your **passport** (ID card) and a **migration card**. The staff of the university's international relations department will be there to assist you, so make sure you contact them upon arrival.



You will need to take out a **health insurance** either in your country or upon arrival in Russia to make sure that you get the medical services you might need during your stay in Russia.

The university where you will study may arrange an additional medical examination to check your health status and validate your medical certificate.

What social benefits are international students entitled to?

Upon your arrival in Russia the university will enroll you based on the referral. Your status will then change to **«Enrolled»**. All international students accepted under scholarships (quotas) are entitled to **state academic scholarship grants** and accommodation in a student dormitory regardless of academic performance and throughout the study period. The cost of **accommodation in dormitories** is the same for Russian and international students studying under scholarships (quotas). Family members aren't allowed to stay with you in the dormitory, but they can visit you there.

Don't forget to take with you:

Make sure that you have the following with you when you travel to Russia:

- originals and translated copies of the passport, education documents and medical certificates;
- warm clothes and footwear (or be ready to buy them upon arrival);
- pharmaceuticals (that can be legally imported in Russia. The list of medication that can be brought to Russia is available at the Russian embassy/consulate);
- money for personal needs, not more than \$10,000.

Glossary

Application form: your personal account at www.russia.study with the view to enrolling in an educational institution in Russia (features all data on the applicant: education, university of choice in Russia, educational program).

Education levels: levels of higher education in Russia with a degree awarded upon completion.

Educational program: set of disciplines determined by the university, as well as the duration of studies, balance of theory and practice in the curriculum depending on the specialty (field of study).

Field of study: description of your educational path depending on the area of knowledge.

Internship: short-term educational program offered by a university and open to international students following a course of the relevant level in a higher education institution abroad.

Medical certificate: document issued by a medical institution of a country, required for obtaining a visa/studying in Russia.

Nostrification: procedure whereby foreign education documents and degrees can be recognized in Russia.

Nuclear specialties: degree programs for training professionals for the nuclear energy industry.

Scholarship (quota): scholarship to study at a Russian university granted by the Russian Federation to international applicants.

Registration (identification) number: an individual number assigned to every user registered at www.russia.study.

Research paper – a text document from 12 to 15 pages long setting out the research project you plan to carry out as part of your postgraduate studies.

Specialization of the preparatory courses: educational program consisting of Russian language courses and general secondary education (school) subjects selected depending on the field of study or specialty chosen by the student. There are five specialization options: engineering and technical sciences, natural sciences, social sciences, medical sciences and biology, sociology and economics.

Visa: a mandatory migration document that entitles a foreign national to cross the Russian border.

Visa reference: documents required for the issuance of a visa and sent by the Foreign Ministry of the Russian Federation to the Russian embassy/consulate.

Who can answer my questions?

- 1** To the Russian Embassy in your country
(Contacts on the web-site www.mid.ru)
- 2** Central office of the Federal Agency for the Commonwealth of Independent States Affairs, Compatriots Living Abroad, and International Humanitarian Cooperation (Rossotrudnichestvo)
www.rs.gov.ru +7 (495) 690-12-45
- 3** System of technical support of the web-site www.russia.study
info@russia.study
- 4** Curator for enrollment at the ROSATOM Corporate Academy
help@rosatom-academy.ru