



**VOLGA STATE
UNIVERSITY
OF TECHNOLOGY**



VOLGATECH
UNIVERSITY FOR YOU

19.03.01 BIOTECHNOLOGY: MOLECULAR AND CELL BIOTECHNOLOGY BACHELOR'S PROGRAMME

Entrance exams: Mathematics and Russian language.

Biotechnologists work in scientific and research centres, laboratories, clinics, and pharmaceutical companies. They research, receive and use enzymes and viruses of various genesis. They study microorganisms, cell cultures of animals and plants. They think over and develop technologies to obtain new structures and possible options for their use in chemical, food and biological industries. As part of the working groups, they take part in experiments on the creation of new drugs and biologically active substances.



Graduates from the bachelor's programme can work in various manufacturing, pharmaceutical and food companies as junior staff. Or else, they can be employed in research centres as laboratory or junior research assistants.

The leading enterprises and organizations in Russia and abroad where graduates from this programme are in demand are as follows: GileadSciences, Inc. (GILD), Amgen, Inc. (AMGN), Celgene Corp., Biogen Idec, Inc., Regeneron Pharmaceuticals (REGN).

Core courses: General Biology and Microbiology; General Biochemistry and Molecular Biology; Basics of Biotechnology; Processes and Devices of Biotechnology; Theoretical Foundations of Biotechnology; Genetics; Instrumental



Methods of Analysis in Biotechnology; Fundamentals of Molecular Biotechnology; Plant Biotechnology; Agricultural Biotechnology; Forest Biotechnology; Methods for the Analysis of Secondary Metabolites; International Standards of GMP and GLP in Biotechnological Industries; Industrial Biotechnology; Biotechnology; Microbiology; Genetic Certification of Plants; Technology for the Production of Biologically Active Substances from Plant Materials

21.03.01 OIL AND GAS ENGINEERING: TRANSPORTATION AND STORAGE OF HYDROCARBONS

BACHELOR'S PROGRAMME

Entrance exams: Mathematics and Russian language.

Graduates from the programme work at the enterprises of oil and gas production and processing. Their responsibilities include repair, reconstruction and restoration of oil and gas wells onshore and offshore, operation and maintenance of technological equipment used in industry, planning and organization of employee work in wells, monitoring the compliance with industrial safety regulations and environmental legislation.



The knowledge gained will allow graduates to work successfully at research institutes, institutions of higher and secondary vocational education, manufacturing organizations; hold key positions in oil and gas companies and government bodies, ensuring rational reproduction of mineral resources, academic and departmental research organizations related to the solution of fundamental and applied geological and oil and gas problems.

The leading enterprises and organizations in Russia and abroad where graduates from this programme are in demand are the leading Russian oil and gas companies: Gazprom, Surgutneftegas, Lukoil, Rosneft, Tatneft and others.

Core courses: Regulatory Framework for Nature Management; Metrology. Standardization. Certification Automated Process Control Hydraulics and Oil and Gas Hydromechanics; Reliability of Oil and Gas Pipelines; Pumping and Compressor Stations; Design of Gas and Oil Pipelines; Modeling of Technological Processes and Systems; Heat Engineering; Transport and Storage of Liquefied Gases; Construction and Repair of Gas and Oil Pipelines; Gas Distribution Systems; Information Technology in the Industry; Diagnostics of Gas and Oil Pipelines; Gas Turbine Units; Fundamentals of Engineering Geology; Oilfield Geology; Arrangement of Oil and Gas Fields in the Sea; Arrangement of Oil and Gas fields on Land; Operation of Gas Pipelines; Operation of Oil Pipelines.



13.03.01 THERMAL POWER ENGINEERING AND HEAT ENGINEERING: THERMAL POWER PLANT

BACHELOR'S PROGRAMME

Entrance exams: Mathematics and Russian language.

Graduates from the programme are in demand at the enterprises of the oil and gas and petrochemical industries; at the enterprises of transportation and storage of oil and gas; on industrial and urban gas supply systems; at oil depots, gas and oil storage facilities, gas stations; at the enterprises of the chemical, energy, pharmaceutical, engineering and food industries.



The leading enterprises and organizations in Russia and abroad where graduates from the programme are in demand are the leading Russian power supply, oil and gas companies: Gazprom, Surgutneftegas, Norilsk Nickel, Sibur Holding, Rosseti.



Core courses: Heat and Mass Transfer Processes and Technological Systems; Basic Technologies and Technological Complexes of Oil and Gas Production; Basics of Technical Diagnostics; Design and Durability of Machinery; Bases of Designing and Calculation of Technological Equipment; Technological Equipment in Industry; Methods and Means of Nondestructive Control Equipment; Long-term Mining Projects, Transportation and Processing of Hydrocarbons; Technical Inspection of Process Equipment.



23.03.03 OPERATION OF TRANSPORT AND TECHNOLOGICAL MACHINES AND COMPLEXES: PIPELINE TRANSPORT OF OIL AND GAS BACHELOR'S PROGRAMME

Entrance exams: Mathematics and Russian language.

Students acquire professional competency in the field of hydraulic and pneumatic systems, electrical engineering and electrical equipment, designs and operational properties of transport-technological machines and complexes, gain knowledge and skills in the field of oil and gas industry, operation of oil, oil products and gas pipelines, technical diagnostics at pipeline transport facilities, etc.



Graduates are successfully employed at enterprises in oil, gas and petrochemical industries; operational enterprises in the pipeline transport system of oil and gas; pumping and compressor stations; organizations for the design and maintenance of oil and gas facilities.

The leading enterprises and organizations in Russia and abroad where graduates from this programme are in demand are as follows: Gazprom, Surgutneftegas, Lukoil, Bashneft, Russian Railways.

Core courses: Type and Operation of Technological Equipment of Pipeline Transport; Machines and Equipment for Oil and Gas Pipelines; Basics of Oil and Gas Industry; Petroleum Products Supply; Technical Diagnostics at Pipeline Transport Facilities; Operation of Oil, Oil Products and Gas Pipelines; Technical Standard Documentation of Pipeline Transport Enterprises.



12.03.04 BIOTECHNICAL SYSTEMS AND TECHNOLOGIES: ENGINEERING IN BIOMEDICAL PRACTICE

BACHELOR'S PROGRAMME

Entrance exams: Mathematics and Russian language

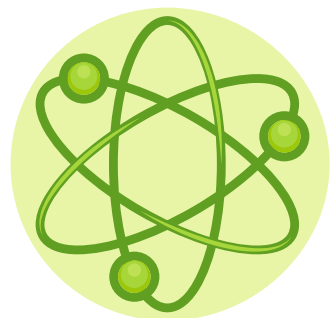
Graduates from the programme take part in development, implementation and operation of various biotechnological devices, including medical machinery. They develop tools for diagnosis, treatment, rehabilitation and prevention of human diseases. They conduct experiments and tests in the conditions of diagnostic and medical centres, hospitals, dispensaries and clinics and also act as involved specialists in

the repair of medical and diagnostic systems.

Graduates become engineers of automation and control measuring instruments, medical physicists or engineers in the field of medical technology. Graduates can pursue a career in pedagogy, thus teaching specialized subjects in educational institutions. They are employed by the environmental organizations, flora protection stations, veterinary and clinical laboratories. Potential employers are all enterprises operating in food, light, cosmetic, biochemical and pharmaceutical industries.

The leading enterprises and organizations in Russia and abroad where graduates from the programme are in demand are as follows: GileadSciences, Inc. (GILD), Amgen, Inc. (AMGN), Celgene Corp., Biogen Idec, Inc, Regeneron Pharmaceuticals (REGN).

Core courses: Mathematics; Physics; Object-Oriented Programming in Biomedical Applications; Methods of Processing and Analysis of Biomedical Signals and Data; Circuitry; Digital Signal Processing in Biomedical Systems; Systems of Computer-Aided Design and Construction of Medical Equipment; Medical Devices; Tools; Systems and Complexes; Repair and Maintenance of Medical Equipment.



38.03.01 ECONOMICS: WORLD ECONOMICS AND INTERNATIONAL ECONOMIC RELATIONS

BACHELOR'S PROGRAMME



Entrance exams: Mathematics and Russian language

Economists gain comprehensive knowledge of world economy, international economic relations, market research, organization of international economic activity, investments, financial management, assessment of economic efficiency and financial effectiveness

of managerial decisions, risk management in international business.

Graduates from the programme can carry out research, analysis and forecast of socio-economic processes and phenomena at the micro and macro levels; can be involved in production of products and services, analyze demand for products and services, assess their current and future supply, promote products and services on the market, plan financial flows; perform operations in financial markets, manage financial risks.

The leading enterprises and organizations in Russia and abroad where graduates from this programme are in demand are as follows: - government bodies; structural subdivisions of large state and private companies associated with the development of foreign economic relations, banks and other financial organizations; representative offices of foreign companies in Russia, transnational corporations and international organizations; state and private foreign companies; scientific, educational and analytical centers and organizations.

Core courses: Finance, Money, Credit, Banks; Fundamentals of Digital Economy; Investment; Economic Analysis of Production; Economic Activities; Financial Management; Insurance; Banking Operations and Services; World Economy and International Economic Relations; World Economic Entities; Organization and Management of International Economic Activities; Risk Management in International Business, International Logistics, Accounting and Taxation of World Economic Entities; International Financial Reporting Standards; Customs.

43.03.02 TOURISM: ORGANIZATION OF INTERNATIONAL TOURISM AND HOTEL BUSINESS BACHELOR'S PROGRAMME

Entrance exams: Social Studies and Russian language.

Graduates from the programme are trained to provide a wide range of tourism-related services to a client. The work of the graduate involves providing tourist consultancy and selling company services, monitoring the market for travel services and companies involved in passenger transportation, interacting with insurance companies and passport and visa services.

Graduates from the programme are successfully employed by tourism departments, tour information centres, tourism and local history departments at municipal organizations; travel companies; national parks, reserves and sanctuaries; hotels, sanatoriums, dispensaries, recreation centres and ski health resorts; restaurants and other catering facilities; museum and exhibition facilities.

The leading enterprises and organizations in Russia and abroad, where graduates in this field of training are in demand are as follows: CoralTravel; TUI, TezTour; Sunmar; ICS Travel Group.

Core Courses: Tourist and Recreational Resources and Types of Tourism; Management in Tourism; Communicative Technologies in Tourism; Information Technology and Software for Tourism Enterprises; Foreign Language; Speech Culture and Professional Communication; Psychology of Tourism; International Tourism; World Cultural Heritage in Tourism; Economics and Entrepreneurship in Tourism; Sales Technologies in Tourism; Innovation in Tourism; Travel Agency Staff Members; Control and Supervision of the Activities of Tourist Service Organizations; Tourism Marketing; Resort Technology; Technology of Hotel Services; Advertising in Tourism; Business Communication in Tourism; Tour Operator and Travel Agent Activities; Professional Communications of the Service Sector in the Consumer Society; Professional Ethics and Etiquette in Tourism; Technologies for Developing Travel Routes; Catering Services for Tourists; Recreational Geography.



05.03.06 ENVIRONMENT AND NATURE MANAGEMENT: ENVIRONMENTAL ENGINEERING

BACHELOR'S PROGRAMME



Entrance exams: Geography and Russian language.

Depending on their place of work and position, graduates from Nature Management programme conduct environmental impact assessment and monitoring, create and maintain environmental databases, design environmental policy of the enterprise, prepare programmes and action plans to implement environmental legislation, prepare environmental reports, develop draft standards, calculate the expected noise levels in adjacent areas and in standardized rooms, introduce and maintain the system of internal environmental audit and management system in the field of environmental protection.

Environmental specialists are in demand at industrial enterprises in various industries, especially in production resulting in emissions into atmosphere. Internal environmental audit in industry represents a new prospective area of activity for the programme graduates. Novice specialists work in laboratories, join expert groups, are employed by environmental organizations, etc.

The leading enterprises and organizations in Russia and abroad where graduates from the programme are in demand are as follows: Greenpeace, WWF, International Socio-Ecological Union (ISEU), The international environmental Bellona Foundation, International Union for Conservation of Nature and Natural Resources (IUCN).

Core Courses: General Ecology; Geoecology; Environmental Protection; Landscape Science; Environmental Impact Assessment; Legal Framework for Nature Management and Environmental Protection; Environmental Monitoring; Regulating and Reduction of Environmental Pollution; Man-made Systems and Environmental Risks; Environmental Design and Expertise; Environmental Quality Control; Management and Disposal of Production and Consumption Waste; Environmental Management; Audit and Insurance; Geographic Information Systems in Ecology and Nature Management; Basic Technologies in Nature Management; Environmental Engineering; GIS and Remote Sensing.

ADMISSION PROCEDURE.

Before coming to Volgatech the applicant should send an e-mail at cise@volgatech.net with a request for an invitation for a student visa. In order to proceed with the invitation the applicant should pay (through a representative or by bank transfer, but **ONLY USING BANKS LOCATED IN RUSSIA**) the processing fee – 3,000 rubles (if the visa application is handled by the University). It sometimes takes 2-3 months to proceed with the invitation, make sure to email your request in sufficient time in advance.

The Applicant should submit a copy of the passport with a notarized Russian translation.



Application package

Passport (valid for at least two years) + notarized translation of the passport in Russian;

Document on previous education + notarized translation of this document in Russian.

Medical certificates + translation of the medical certificates in Russian:

HIV certificate;

chest x-ray;

certificate of vaccinations/ immunization record (mandatory: measles, diphtheria, rubella, hepatitis B, mumps);

6 color photographs (3 x 4 cm) on matte paper;

Sufficient resources: tuition fee, health insurance, and living costs.



In order to apply for a Bachelor's Programme the eligible document on previous education may be one of the following:

HIGHER SECONDARY SCHOOL CERTIFICATE

ALL INDIA SENIOR SCHOOL CERTIFICATE

INDIAN SCHOOL CERTIFICATE

PRE-UNIVERSITY EXAMINATION CERTIFICATE

INTERMEDIATE EXAMINATION CERTIFICATE.

Attention! All the documents and medical certificates must be translated into Russian and must bear a Russian consulate's or an Embassy's mark, proving that the translation has been checked by diplomatic mission staff and is recognised as being compliant with a source text or notarized.

Documents for full-time study programmes are submitted from June 19 to August 15, 2021.

The Agreement on education is signed by the applicant after their arrival in the Centre for International Students (Russian Federation, Republic of Mari El, Yoshkar-Ola, Pl. Lenina 3, room 528b): The General Agreement on Education and the Tuition and Fees Agreement are signed in 2 copies. The study period of the bachelor's programme is 4 years

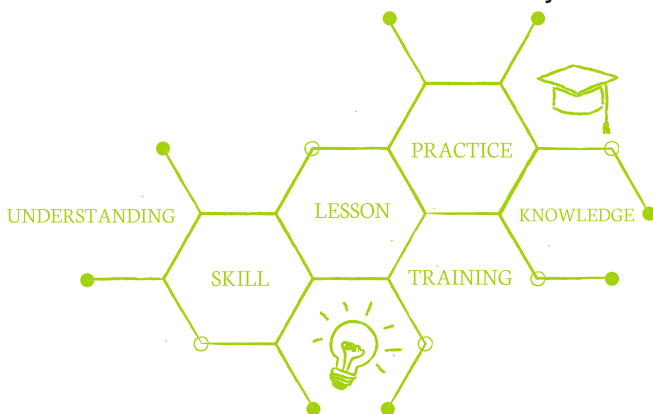
The tuition fee for the 2021/2022 academic year is 210, 000 rubles (approximately 3,000 USD) at the current exchange rate of the Central Bank of the Russian Federation. Please, be informed there might be minor changes in the cost of tuition.

The tuition fee per academic year is paid in four installments according to payment schedule: 1st payment is due before September 10; 2nd payment is due before November 1; 3rd payment is due before February 1; 4th payment is due before April 1.



Academic process: The University practices a double-shift system. The morning shift starts at 8.00 am and lasts until 1.05 p.m. The second shift starts at 1: 30 pm and lasts until 6.45 pm. The academic year is divided into two semesters. The first semester starts on September 1 and lasts for 18 weeks. In mid-January students take an examination session which usually lasts for two weeks, followed by a week of vacation.

The second semester begins in February and lasts for 18 weeks followed by a two-week session. After the examination session students undergo practical training for 2 weeks. Summer holidays usually last for 7 weeks from mid-July to the end of August.



Attention! This is the reference academic schedule of the first year. The changes are possible depending on the workload.

MEDICAL INSURANCE

With great concern for well-being of our students, health insurance policy is a must at the university and should be purchased during the first week upon arrival. The cost of insurance policy varies from 800 to 4,500 rubles depending on the chosen insurance plan. The telephone numbers of the insurance company and Emergency Medical Service are indicated on the insurance policy, which the students must always carry with them. There is a general medical care unit at the University.

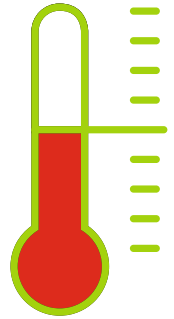
FOOD

All university buildings have student canteens. The approximate cost of one meal varies from 60 to 150 rubles. The menu offers dishes of European and Russian cuisine. There is a wide choice of dishes depending on students' countries of origin, diet and belief.

All dormitories have equipped kitchens for students to cook their own food.

ACCOMMODATION

All Russian and international students are accommodated in student dormitories in multiple occupancy rooms for 2-3 people, which is in compliance with the sanitary requirements and regulations of the Russian Federation. The rooms are provided with necessary furniture and bedding. However, students should bring their own glassware, kitchen utensils and other items of personal use. All university buildings are heated in winter. The average room temperature is + 22 ° C. The university has 8 dormitories. Some dormitories have all amenities (toilet, shower) in the room, others have shared bathrooms and toilets on the floor. There is a kitchen on each floor in a student dormitory where anyone can cook their own food. Students are responsible for the tidiness in their rooms. Students are asked to keep clean the common areas: corridors, halls, kitchens, shared showers and toilets. Common areas are regularly cleaned by the dormitory maintenance staff.



Students are fully responsible for the breakdown or loss of any university property that is provided to them during the study period. Students should keep the dormitory clean and tidy, as well as take into account and respect the interests of their neighbours. The sleeping area should be quiet and darkened at night. Regardless of wealth, citizenship, nationality, position or income, students should treat each other with dignity and respect. International students from different countries can be accommodated in one room.

This situation will promote tolerance and foster the use of the Russian language. As of 2020 the accommodation cost is 1,000 rubles per month, which may slightly fluctuate depending on the utility costs (gas, water, electricity).



UNIVERSITY INFRASTRUCTURE:

- 12 catering units
- Over 20 student associations (Association of Foreign Students, Student Design Bureau, Volzhsky Way Club for Historical Reconstruction, VSIO Volunteer Student Initiative Organization, Business Incubator, Student Scientific Society, Student International Friendship Club, Student Fire and Rescue Team, Nature Protection Team, Student Mediaport, Amateur Art Club, etc.).
- Over 20 sports clubs (basketball, volleyball, rugby, football, shooting, aerobics, winter polyathlon, track-and-field, etc.)
- Recreation summer camp located in the nature reserve near the lake
- 8 dormitories
- 2 shooting ranges, 4 large and 6 small sports halls, a ski base, a gym information and library centre with 4 reading rooms
- Wi-Fi coverage areas
- Convenient transport infrastructure nearby the University buildings.



STUDENT LIFE

Studies are not the be all and end all of university life. Everyone can find something to their liking.

- Science: 9 research and educational centres, 25 small innovative enterprises; Student Construction Office, Botanical Garden Institute; popular science lecture rooms; conferences, forums and research projects.

- Art: choreography, singing, theater, creative festivals, beauty and talent contests, etc.

Community commitment: student self-government, volunteering, labor teams, International Student Friendship Club “Most”, etc.

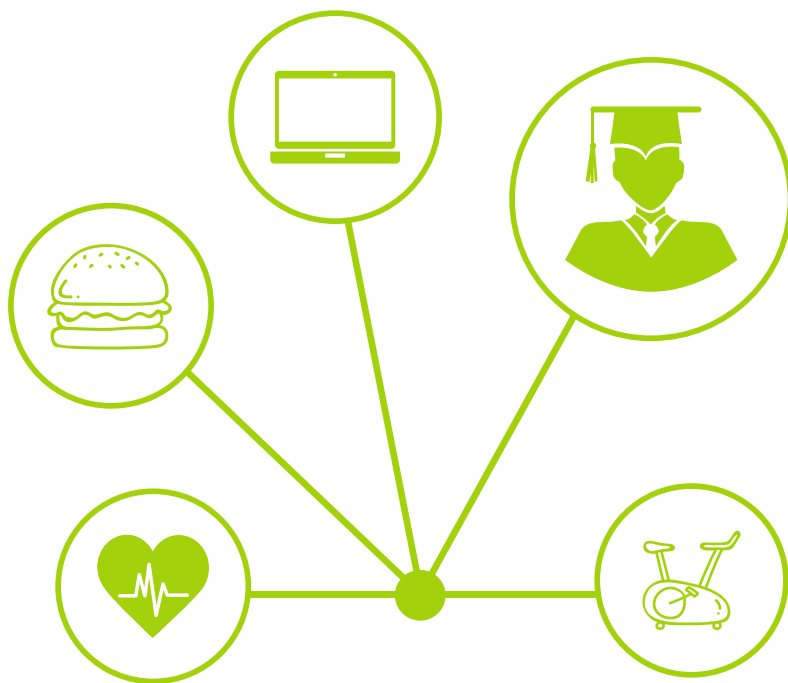
Sports: Over 20 sports clubs from basketball to mountaineering.

INTERNATIONAL COOPERATION

Volgatech cooperates with HEIs and research centres in many countries of the world. The University implements joint academic projects and academic mobility programmes with EU universities in the framework of Erasmus+ programmes and within bilateral Agreements on Cooperation with higher education institutions of the United States, China, Eastern Europe, Central Asia and the South

Caucasus. Scientific achievements and innovative developments of Volgatech teachers and students are exhibited at the leading international technological exhibitions. For its international applicants the University designs and implements study programmes in English.





OTHER SERVICES

The University renders professional development services, delivers further education programmes, offers driving school training, laundry services in dormitories, catering services, computer classes for self-study, sports and recreation (swimming pool, gym, wellness treatment, massage), foreign language courses, medical services.

Convenient location of University buildings makes it easy to get access to all other service providers: household; passenger transportation; communication; concert halls; tourism and excursions; physical culture and sports; medicine, health and wellness; legal services; banking; shopping centres, cafes and restaurants.





/volgatech

#пгту #волгатех #volgatech



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