

**List of training areas (specialties) and entrance tests for admission to the first year in Yuri Gagarin State Technical University of Saratov  
in 2025 for training on the programs of Bachelor's degree and Specialist's programs**

*Admission to the university for Bachelor's and Specialist's programs are carried out on the results of entrance examinations in general education subjects. The results of each exam are evaluated on a 100-point scale. The minimum number of points confirming the successful completion of the entrance test:*

*Russian language-40p, Mathematics-39 p Physics-39 p, Informatics-44 p, Chemistry-39 p, Social Science-45 p, Literature-40p,, Biology-39 p, Geography-40 p, History-35 p, Foreign language-30 p, Head drawing-30 p, Still life drawing-30 p, Professional test-30 p.*

Field of Study	Educational program of Bachelor's degree, Specialist's (profile, specialization)	Form of study	Cost	List of entrance tests (by priority)
		INSTITUTE OF POWER ENGINEERING		
Heat Power Engineering and Heat Engineering (Bachelor's Degree)	Industrial heat power engineering; Power supply of enterprises	full-time (4y)	145890	1. Math 2. Physics or Computer Science 3. Russian language
Electrical Power Engineering and Electrical Engineering (Bachelor's degree)	Power supply; Automated electro-technological installations and systems	full-time (4y)	145890	
Nuclear Power Plants: Design, Operation and Engineering (Physics Engineer)	Design and operation of nuclear power plants	full-time (5,5y)	179460	
		PHYSICAL-TECHNICAL INSTITUTE		
Applied Mathematics and Informatics (Bachelor's degree)	Mathematical modeling and computational mathematics	full-time (4y)	129050	1. Math 2. Physics or Computer Science 3. Russian language
Technical Physics (Bachelor)	Physical Optics, Quantum Electronics and Laser Physics	full-time (4y)	174880	
System Analysis and Control (Bachelor)	System analysis and control	full-time (4y)	145890	
Chemical Technology (Bachelor's degree)	Chemical technology of nanomaterials	full-time (4y)	145890	1. Math 2. Physics or Chemistry or Informatics 3. Russian language

Field of Study	Educational program of Bachelor's degree, Specialist's (profile, specialization)	Form of study	Cost	List of entrance tests (by priority)
		<b>INSTITUTE OF URBAN PLANNING, ARCHITECTURE AND CONSTRUCTION</b>		
Ecology and Nature Management (Bachelor's degree)	<i>Ecology</i>	full-time (4y)	145890	<b>1. Biology</b> <b>2.</b> Geography or Mathematics or Chemistry or Informatics and ICT <b>3.</b> Russian language  <b>1. Math</b> <b>2.</b> Head drawing <b>3.</b> Still life drawing <b>4.</b> Russian language
Architecture (Bachelor)	<i>Architectural Design; Urban design</i>	full-time (5y)	147030	
Design of Architectural Environment (Bachelor's degree)	<i>Design of urban environment; Interior Design</i>	full-time (5y)	147030	
Construction of Unique Buildings and Structures (civil engineer)	<i>Construction of high-rise and large-span buildings and structures; Construction of highways, airfields and special facilities</i>	full-time (6y)	147030	
Technosphere Safety (Bachelor)	<i>Protection in emergency situations, industrial and fire safety, occupational health and safety</i>	full-time (4y)	145890	
Oil and Gas Engineering (Bachelor)	<i>Operation and maintenance of oil production facilities; Operation and maintenance of oil, gas and refined products transportation and storage facilities</i>	full-time (4y)	179460	
Land Management and Cadastres (Bachelor)	<i>City cadastre</i>	full-time (4y)	174880	
Construction of Railroads, Bridges and Transport Tunnels (railway engineer)	<i>Bridges</i>	full-time (5y)	147030	

Field of Study	Educational program of Bachelor's degree, Specialist's (profile, specialization)	Form of study	Cost	List of entrance tests (by priority)
Environmental Engineering and Water Management (Bachelor's degree)	<i>Environmental management of territories</i>	full-time (4y)	134940	<b>1. Math</b> <b>2.</b> Physics or Biology or Geography or Informatics <b>3.</b> Russian language
		<b>INSTITUTE OF APPLIED INFORMATION TECHNOLOGIES AND COMMUNICATIONS</b>		
Informatics and Computer Science (Bachelor's degree)	<i>Computing machines, complexes, systems and networks</i>	full-time (4y)	147030	<b>1. Math</b> <b>2.</b> Physics or Computer Science <b>3.</b> Russian language
Information Systems and Technologies (Bachelor)	<i>Information systems and technologies; Information technologies in media industry</i>	full-time (4y)	147030	
Applied Computer Science (Bachelor's degree)	<i>Applied informatics in information sphere</i>	full- time (4y)	147030	
Software Engineering (Bachelor)	<i>Management of program project development</i>	full-time (4y)	147030	
Advertising and Public Relations (Bachelor)	<i>Information technologies in advertising and public relations</i>	full-time (4y)	129050	<b>1. Social studies</b> <b>2.</b> History or Informatics <b>3.</b> Russian language
Television (Bachelor's degree)	<i>Technique and technology of television production</i>	full-time (4y)	129050	<b>1. Literature</b> <b>2.</b> Social Studies or History <b>3.</b> Russian language
Design (Bachelor)	<i>Digital Technologies in Graphic and Industrial Design</i>	full-time (4y)	247410	
Translation and Translation Studies (linguist- translator)	<i>Special translation</i>	full-time (5y)	129050	<b>1. Foreign language</b> <b>2.</b> Social studies or History or Literature <b>3.</b> Russian language
		<b>INSTITUTE OF POWER ENGINEERING AND INSTRUMENTATION</b>		
Information Security (Bachelor's degree)	<i>Security of automated systems in the sphere of professional activity</i>	full-time (4y)	145890	<b>1. Math</b> <b>2.</b> Physics or Computer Science <b>3.</b> Russian language
Information Security of Automated Systems (information protection specialist)	<i>Development of automated systems in protected version</i>	full-time (5,5y)	145890	
Radio Engineering (Bachelor's degree)	<i>Intelligent radio engineering systems</i>	full-time (4y)	145890	

Field of Study	Educational program of Bachelor's degree, Specialist’s (profile, specialization)	Form of study	Cost	List of entrance tests (by priority)
Info-communication Technologies and Communication Systems (Bachelor's degree)	Radio communication, mobile communication and radio access systems	full-time (4y)	145890	
Electronics and Nanoelectronics (Bachelor's degree)	Electronic instruments and devices	full-time (4y)	145890	
Instrumentation Engineering (Bachelor's degree)	Aeronautical devices and measuring-computing complexes with the use of artificial intelligence systems	full-time (4y)	145890	
Quality Management (Bachelor's degree)	Quality management in production-technological systems	full-time (4y)	145890	
Management in Technical Systems (Bachelor's degree)	Management and informatics in technical systems	full-time (4y)	145890	
		INSTITUTE OF MECHANICAL ENGINEERING, MATERIALS SCIENCE AND TRANSPORTATION		
Biotechnical Systems and Technologies (Bachelor's degree)	Biotechnical and medical devices and systems	full-time (4y)	145890	1. Math 2. Physics or Computer Science 3. Russian language
Mechanical Engineering (Bachelor's degree)	Welding equipment and technology	full-time (4y)	145890	
Technological Machines and Equipment (Bachelor's degree)	Digital technologies of design and control of technological equipment	full-time (4y)	145890	
Automation of Technological Processes and Productions (Bachelor's degree)	Automation of technological processes on the basis of intellectual systems and technologies	full-time (4y)	145890	
Design and Technological Support of Machine-building Productions (Bachelor's degree)	Mechanical Engineering Technology	full-time (4y)	145890	
Field of Study	Educational program of Bachelor's degree, Specialist’s (profile, specialization)	Form of study	Cost	List of entrance tests (by priority)
Mechatronics and Robotics (Bachelor's degree)	Intelligent robotics	full-time (4y)	145890	
Design of Technological Machines and complexes (инженер)	Design of technological complexes in mechanical engineering	full-time (5,5y)	145890	

Materials Science and Materials Technology (Bachelor's degree)	<i>Technological processes in materials science and technology of materials</i>	full-time (4y)	145890	
Metallurgy (Bachelor's degree)	<i>Metal processing by pressure</i>	full-time (4y)	145890	
Transportation Process Technology (Bachelor's degree)	<i>Organization of transportations and management on automobile transport</i>	full-time (4y)	145890	
Operation of Transport-Technological Machines and Complexes (Bachelor's degree)	<i>Automobile service</i>	full-time (4y)	145890	
Land Transportation and Technological Means (engineer)	<i>Lifting-transport, construction, road vehicles and equipment</i>	full-time (5y)	145890	
		SOCIO-ECONOMIC INSTITUTE		
Economics (Bachelor's degree)	<i>Economics of enterprises and organizations; Finance and credit; Financial and management accounting, analysis and audit; Marketing</i>	full-time (4y)	129050	<b>1. Math</b> <b>2.</b> Social studies or History or Informatics <b>3.</b> Russian language
Management (Bachelor's degree)	<i>Production management; Logistics and Supply Chain Management at Industrial Enterprises</i>	full-time (4y)	129050	
Economic Security (economist)	<i>Economic and legal provision of economic security; Control and analytical support of economic security of the organization; Financial security of the state and business</i>	full-time (5y)	129050	
Field of Study	Educational program of Bachelor's degree, Specialist's (profile, specialization)	Form of study	Cost	List of entrance tests (by priority)
Customs (customs specialist)	<i>Customs management; Customs examination of goods</i>	full-time (5y)	129050	<b>1. Social studies</b> <b>2.</b> Professional test <b>3.</b> Russian language

Field of Study	Educational program of Bachelor's degree, Specialist's (profile, specialization)	Form of study	Cost	List of entrance tests (by priority)
		ENGELS INSTITUTE OF TECHNOLOGY		
Software Engineering (Bachelor's degree)	Management of program projects development	full-time (4y)	147030	<b>1. Math</b> <b>2. Physics or Chemistry or Informatics</b> Russian language
Design and Technological Support of Machine-building Productions (Bachelor's degree)	Engineering Technology	full-time (4y)	145890	
Oil and Gas Engineering (Bachelor's degree)	Operation and maintenance of technological facilities of oil and gas production	full-time (4y)	179460	
Design of Light Industry Products (Bachelor's degree)	Design and construction of garments	full-time (4y)	145890	
Chemical Technology (Bachelor's degree)	Technology of chemical and oil and gas productions	full-time (4y)	145890	<b>3. Math</b> <b>4. Physics or Chemistry or Informatics</b> <b>5. Russian language</b>

**List of training directions and entrance tests  
for admission to the first year at Yuri Gagarin State Technical University of Saratov in 2024  
for training in Master's degree programs**

Admission to the University for Master's degree programs are held on the results of entrance examinations conducted by SSTU in the form of interdisciplinary examination on profile and special disciplines on the program of the chosen direction of study. The results of interdisciplinary examination are evaluated on a 100-point scale. The minimum number of points confirming successful completion of the entrance test - 30 points.

<b>Field of Study</b>	<b>Master's program</b>	<b>Form of study</b>	<b>Cost</b>
<b>INSTITUTE OF URBAN PLANNING, ARCHITECTURE AND CONSTRUCTION</b>			
Ecology and Nature Management	<i>Environmental safety</i>	full-time (2y)	155390
Architecture	<i>Architecture</i>	full-time (2y)	155940
Construction	<i>Industrial and civil construction</i> <i>Heat and gas supply and ventilation</i> <i>Manufacture of building materials, products and constructions</i> <i>Automobile roads</i>  <i>Bridges and transport tunnels</i>	full-time (2y)	155940
<b>INSTITUTE OF POWER ENGINEERING</b>			
Heat Power Engineering and Heat Engineering	<i>Energy systems and complexes</i>	full-time (2y)	155390
<b>Field of Study</b>	<b>Master's program</b>	<b>Form of study</b>	<b>Cost</b>
Electrical Power Engineering and Electrical Engineering	<i>Industrial heat power engineering</i>  <i>Electrical engineering and electro-technological complexes and systems</i>	full-time (2y)	155390
<b>PHYSICAL-TECHNICAL INSTITUTE</b>			

Applied Mathematics and Informatics	<i>Mathematical modeling</i>	full-time (2y)	138530
Technical Physics	<i>Physical Optics, Quantum Electronics and Laser Physics</i>	full-time (2y)	183970
Chemical Technology	<i>Chemical Technology</i>	full-time (2y)	155390
<b>INSTITUTE OF APPLIED INFORMATION TECHNOLOGIES AND COMMUNICATIONS</b>			
Informatics and Computer Science	<i>Information and communication systems</i>	full-time (2y)	155940
Information Systems and Technologies	<i>Artificial Intelligence, Mathematical Modeling and Supercomputing Technologies in Information Systems Development</i>	full-time (2y)	155940
Applied Informatics	<i>Artificial Intelligence and Big Data</i>	full-time (2y)	155940
Software Engineering	<i>Software Development Management</i>	full-time (2y)	155940
Advertising and Public Relations	<i>Digital Technologies in Advertising and Public Relations</i>	full-time (2y)	138530
<b>Field of Study</b>	<b>Master's program</b>	<b>Form of study</b>	<b>Cost</b>
<b>INSTITUTE OF ELECTRONIC ENGINEERING AND INSTRUMENTATION</b>			
Information Security	<i>Security of automated systems</i>	full-time (2y)	155390
Info-Communication Technologies and Communication Systems	<i>Telecommunication networks, systems and devices</i>	full-time (2y)	155390
Electronics and Nanoelectronics	<i>Electronic devices and appliances</i>	full-time (2y)	155390
Instrument Engineering	<i>Navigation and control of mobile objects</i>	full-time (2y)	155390



Quality Management	<i>Information support of quality management systems with application of artificial intelligence technologies</i>	full-time (2y)	155390
Management in Technical Systems	<i>Intelligent control in digital manufacturing and industrial internet of things</i>	full-time (2y)	155390
<b>INSTITUTE OF MECHANICAL ENGINEERING, MATERIALS SCIENCE AND TRANSPORTATION</b>			
Biotechnical Systems and Technologies	<i>Development and support of technological processes and productions in the field of biotechnical systems and technologies</i>	full-time (2y)	155390
Mechanical Engineering	<i>New materials and strengthening technologies in mechanical engineering</i>	full-time (2y)	155390
Technological Machines and Equipment	<i>Comprehensive solution of innovative problems of creating competitive technological equipment</i>	full-time (2y)	155390
Automation of Technological Processes and Productions	<i>Automation of technological processes and productions</i>	full-time (2y)	155390
<b>Field of Study</b>	<b>Master's program</b>	<b>Form of study</b>	<b>Cost</b>
Design and Technological Support of Machine-building Productions	<i>Technological engineering of modern machine building industries</i>	full-time (2y)	155390
Mechatronics and Robotics	<i>Artificial intelligence and neurotechnologies</i>	full-time (2y)	155390
Materials Science and Technologies of Materials	<i>Development and support of technological processes and productions in the field of materials science and materials technology</i>	full-time (2y)	155390
Metallurgy	<i>New technologies in thermal production</i>	full-time (2y)	155390
<b>SOCIO-ECONOMIC INSTITUTE</b>			
Economics	<i>Economics of commercial organization</i>	full-time (2y)	138530
Finance and Credit	<i>Corporate Finance</i>	full-time (2y)	138530

Tourism	<i>Regional Tourism</i>	full-time (2y)	138530
<b>ENGELS INSTITUTE OF TECHNOLOGY</b>			
Chemical Technology	<i>Chemical technology of composite materials and coatings</i>	full-time (2y)	155390

**List of scientific specialties and entrance tests  
for admission to the postgraduate program of Yuri Gagarin State Technical University of Saratov in 2024.**

*Admission to the postgraduate program of the University is carried out on a full-time basis on the results of entrance tests in the disciplines: "Special discipline (on a profile)", "Foreign language", "Philosophy". Entrance tests are conducted by the examination commission on tickets. The results of each examination are evaluated on a five-point scale. The minimum number of points confirming the successful completion of the entrance test is not less than the grade 3 (satisfactory)".*

Scientific specialty	Cost
Biomechanics and Bioengineering	188220
Mathematical Modeling, Numerical Methods and Program Complexes	163490
Optics	169090
Condensed State Physics	169090
Laser physics	169090
Physical Chemistry	169090
Electrochemistry	169090
Solid state chemistry	169090
Ecology	169090
Heat Supply, Ventilation, Air Conditioning, Gas Supply and Lighting	169090
Water Supply, Sewerage, Building Systems of Water Resources Protection	169090
Building Materials and Products	169090
Design and Construction of Roads, Subways, Airfields, Bridges and Transport Tunnels	169090
Construction Mechanics	169090
Theory and History of Architecture, Restoration and Reconstruction of Historical and Architectural Heritage	169090
Vacuum and Plasma Electronics	169090
Electronic Component Base of Micro- and Nanoelectronics, Quantum Devices	169090
Navigation Devices	169090
Methods and Devices of Control and Diagnostics of Materials, Products, Substances and Natural Environment	169090

Scientific specialty	Cost
Antennas, Microwave Devices and Technologies	169090
System Analysis, Control and Information Processing, Statistics	169090
Automation and Control of Technological Processes and Productions	169090
Electrotechnical Complexes and Systems	169090
Electrotechnology and Electrophysics	169090
Power Systems and Complexes	188220
Technology and Equipment of Mechanical and Physical-Technical Processing	169090
Mechanical engineering technology	169090
Ground Transportation-Technological Means and Complexes	169090
Metal science and heat treatment of metals and alloys	169090
Nanotechnologies and Nanomaterials	188220
Technology of Electrochemical Processes and Corrosion Protection	169090
Technology and Processing of Synthetic and Natural Polymers and Composites	169090
Technology of Silicate and Refractory Non- metallic Materials	169090
Management of Transportation Processes	169090
Operation of Automobile Transportation	169090
Regional and Branch Economy	163490
Finance	163490

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Management	163490
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**List of preparatory courses for foreign citizens in 2025  
in the Preparatory Language Center of SSTU.**

*The courses are designed for all those who are interested in Russia, its culture, traditions and customs, and want to continue their studies in higher education programs at our university or any other higher education institution in Russia.*

<b>Course title</b>	<b>Content</b>	<b>Form of study Program scope Term of study</b>	<b>Knowledge control</b>
<b>RUSSIAN AS A FOREIGN LANGUAGE</b>	<p>The program is designed for foreign citizens who wish to receive higher education under Bachelor's, Specialist, Master's or Postgraduate programs in higher education institutions of the Russian Federation. The program complies with the state educational requirements for programs that prepare foreign citizens to master professional educational programs.</p> <p>Program content: Russian as a foreign language; scientific style of speech: math, physics, chemistry, biology.</p>	<p>full-time 720 hours, 6-10 months (September-July of the academic year).</p>	<p>Certificate: final tests at the end of the course include an exam in Russian language in accordance with the requirements of level B1, credits in scientific style of speech (math, physics, chemistry, biology).</p>
<b>PRE-UNIVERSITY TRAINING: ENGINEERING PROFILE</b>	<p>The program is designed for foreign citizens who wish to obtain higher education in engineering and technical programs of Bachelor's, Specialist, Master's or Postgraduate studies in higher education institutions of the Russian Federation.</p> <p>. The program complies with the state educational requirements for programs that prepare foreign citizens to master professional educational programs.</p> <p>Program content: Russian as a foreign language; scientific style of speech; math; physics.</p>	<p>full-time 1080 hours. 7-10 months (September-July of the academic year).</p>	<p>Certificate: final tests at the end of the course include an exam in Russian language in accordance with the requirements of level B1, an exam in math, an exam in physics, credits in scientific style of speech.</p>
<b>PRE-UNIVERSITY TRAINING: BIOMEDICAL PROFILE</b>	<p>The program is designed for foreign citizens who wish to receive higher education on medical programs of Bachelor's, Specialist, Master's or Postgraduate studies in higher education institutions of the Russian Federation.</p> <p>. The program complies with the state educational requirements for programs that prepare foreign citizens to master professional educational programs.</p> <p>Program content: Russian as a foreign language; scientific style of speech; chemistry; biology.</p>	<p>full-time 1080 hours. 7-10 months (September-July of the academic year).</p>	<p>Certificate: the final tests at the end of the course include an exam in Russian language according to the requirements of level B1, an exam in chemistry, an exam in biology, a credit in scientific style of speech.</p>