- Enhancing energy efficiency of gardening operations, technologies, machinery and equipment;
- Enhancing reliability of farming machines at the stages of designing and repair;
- Environmental-friendly and biological farming;
- Establishing an engineering support system for Russian agrarian business;
- Evaluation of animal products quality;
- Facing of channels in hot dry climate;
- Food microbiology and technology;
- Improvement of technology, production and protection of horticultural crops;
- Increasing agro-ecological efficiency of precision farming technologies;
- Landscape planning and design, development of rural areas and ecosystems;
- Mathematical models and programming of runoff based on digital maps and geoinformation.
- Mathematical models of soil deformation with time: theory and calculation methods;
- Monitoring the state of hydraulic engineering constructions;
- Multi-purpose water management and protection of water bodies;
- Natural and waste water treatment;
- New resource-saving technologies to increase soil fertility;
- Optimization of animal nutrition rations with an emphasis on additives and new forage plants;
- Physiology of pests and diseases in integrated plant protection system;
- Processing management and the use of machinery in the food industry;
- Prognosis for climate changes and their influence on the agriculture;
- Quality of horticultural commodities in market chains;
- Reinforced soil in hydraulic engineering;
- Resource-saving technologies of operating farm machines and tractors;
- Russian agrarian market development and its governmental support;
- Safety and quality of agricultural raw materials and food products;
- Strength, seismic stability and reliability of hydraulic structures;
- Surgery, medical treatment and preventive measures in animal husbandry.
- Terrestrial communities in urban protected areas;
- The primary storage characteristics and merchandizing of fruits and vegetables;
- Theoretical and applied aspects of agricultural tourism development, etc.

Inter university Centers and Labs
- Center for Molecular Biotechnology;
- Center of Hydro- and Geological Information;
- Central Scientific Library;
- Centre for Sustainable Rural Development;
- Department of New Technologies;
- Equestrian Sports Complex;
- Farm Machinery Research and Design Laboratory;
- Field Experimental Station;
- Forest Research Station 'Dacha';
- Horticulture Laboratory;
- Laboratory for Milk Quality Testing;
- Laboratory of Agricultural Economics;
- Laboratory of Agroecological Monitoring, Ecosystem Modeling and Forecasting;
- Laboratory of Honey Analysis and Certification;
- Laboratory of Physiology and Pathology of Small Animals;
- Laboratory of Vegetable Genetics, Breeding and Biotechnology;
- Laboratory of White Lupine Research;
- Livestock Breeding Station;
- Meteorological Observatory;
- Plant Protection Laboratory;
- Research center “Agroecology of Pesticides and Agrochemicals”;
- Research center “Laboratory of Complex Analysis of Chemical Compounds”;
- Research center “Vegetable Experimental Station”;
- Testing Center for Soil and Environmental Studies.

Museums
Many museums located within the campus area add to the vibrant atmosphere of the University (Agricultural Engineering and Machinery; Animal Anatomy, Histology and Embryology; Bee-Keeping; Horse Breeding; Hydromelioration; Minerals and Geology; Soil-Agronomic; Zoology and Animal Science, History of the University, etc.).

Sport activities
University students get a good opportunity for physical training and practice many kinds of sports: basketball, boxing, volleyball, darts, swimming, diving, water polo, football and futsal, tennis and ping-pong, orienteering, chess, freestyle, Greco-Roman wrestling, Sambo, powerlifting, aerobics, athletics, summer and winter polyathlon, ski racing, cheerleading, shooting (bullet) and others.

More than 3000 students, faculty members and staff of the University take part in university sporting events every year. The main purpose of the sports festivals is to promote individual sports and healthy lifestyle. The competitions aim at increasing the quality of training, boosting social activity of students and developing their soft skills. The University takes special pride in its students - participants of the Olympic Games, the winners of the World Championships and the World Universiade.
### History
The Russian State Agrarian University — Moscow Timiryazev Agricultural Academy (RSAU-MTAA) is the oldest agricultural institution of higher education in Russia. It was founded in 1865 by a government decree to establish the Petrovskaya Academy of Agriculture and Forestry. Now university campus with total area over 500 hectares is located in the north of Moscow — about 15 km from the Kremlin. RSAU-MTAA today:
- base Organization of Ministry of Agriculture of Russian Federation;
- base Organization in CIS for training and retraining of agribusiness experts;
- base Organization of FAO.
The name “Green University” has become a part of the identity of the university.
Currently over 15,000 students, including nearly 800 international ones, are studying at RSAU-MTAA. University employs nearly 1,100 teaching staff members, including 240 full professors and nearly 700 associate professors, 13 members of Russian Academy of Science.
We collaborate with universities from over 50 countries worldwide — from China to USA and EU, including France, Italy, Spain, Germany and Kazakhstan. More than 40 transnational and foreign countries working in agribusiness, such as Claas, Synenta, Bayer, Amazone are our trusted partners.
RSAU-MTAA is a project-oriented university — active participant of international projects, such as Erasmus+, Horisont 2020, Institution of International Education (IIE) and other Russian and international sponsored programs.

### Faculties
- Agronomy and Biotechnology
- Animal Science and Biology
- Education and Humanities
- Food Technology
- Horticulture and Landscape Engineering
- Soil Science, Agricultural Chemistry and Ecology

### Institutions
- Institute of Reclamation, Water Management and Construction
- Institute of Mechanics and Energy
- Institute of Economics and Management of Agriculture
- Institute of Continuous Education

### Education System
University implements three-level system of education:
- **Bachelor’s Degree** course (BSc) - 4 years
- **Master’s Degree** course (MSc) - 2 years
- **Postgraduate** course (PhD) - 3 or 4 years

The University recognizes the European Credit Transfer System (ECTS), which provides efficient staff and student academic mobility.

### Main fields if study

#### BSc programs
- Advertising and public relations
- Agrarian chemistry and soil science
- Agrarian engineering
- Agrarian tourism
- Agricultural production and processing technologies
- Agroengineering
- Agronomy
- Animal products
- Animal science
- Applied information science
- Biology
- Biotechnology
- Business information science
- Commodity merchandising
- Construction
- Ecology and environmental management
- Ecology and natural resources management
- Economics
- Environmental engineering and water management
- Forestry
- Government and municipal management
- Ground-based transport and technological equipment
- Horticulture
- Information systems and technologies
- Land management and land inventory
- Landscape architecture
- Management
- Operation of transport-and-technological machines
- Plant products
- Power industry and electrical engineering
- Professional education
- Quality management
- Technical service of farm machinery
- Technological machinery and equipment
- Technology of transport processes
- Technosphere safety
- Thermal energy production and heat power engineering
- Veterinarian and sanitary expertise

#### MSc programs
- Adaptive land development systems
- Agrarian chemistry and soil science
- Agrarian engineering
- Agribusiness management in crop production
- Agroengineering
- Applied information science
- Biological resources (beeskeeping and aquaculture)
- Biotechnology (Genetics, Biotechnology and Breeding)
- Breeding and technological methods of animal products quality control
- Business information science
- Commodity merchandising

#### MSc programs
- Crop production risks and technology
- Ecology and environmental management
- Economics
- Engineering in animal husbandry
- Feed production and animal nutrition technologies
- Finances and credit
- Forestry
- Governmental services
- Horse breeding and equestrian sports
- Horticulture
- Information systems and technologies
- Integrated plant protection
- Intensive technologies of animal production
- Land management and land inventory
- Landscape engineering
- Management
- Operation of transport-and-technological machines and systems
- Pedagogical innovations management
- Physiological and biochemical monitoring of animal health and feeding
- Power industry and electrical engineering
- Quality management
- Resources of vertebrate animals (protection, reproduction and sustainable use)
- Rivers and underground hydraulic structures
- Stock breeding and certification of pedigree stock
- Technical and technological equipment for the environmental spatial planning
- Technologies and machines for precision farming
- Technology of transport processes
- Thermal energy production and heat power engineering
- Water management projects and environmental engineering for the territories

### Main research fields (PhD programs)
- Application of 3D modeling for hydraulic research;
- Bio-energy production from plant raw materials and animal wastes;
- Biology and reproduction of animals and fish;
- Construction methods in the environmental engineering and water management;
- Crop productivity in various agricultural systems;
- Cytogenetic research of field crops - genetics and cytological engineering;
- Developing effective nanotechnological means of corrosion and wear protection;
- Developing energy-saving electric systems for production, processing and storage of farm produce;
- Developing measures to enhance electrical safety;
- Resources management and infrastructure development in the rural areas;
- Efficient use of resources in production and technical operation of transport machines;