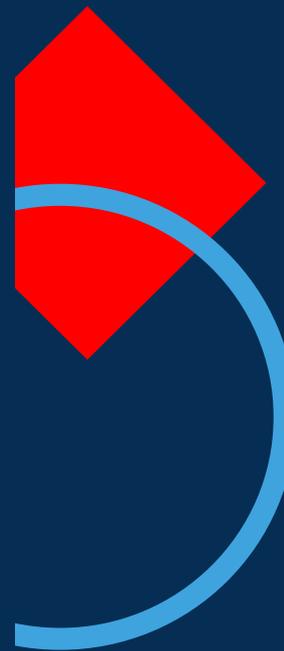




**"Gheorghe Asachi"
Technical University
of Iasi, Romania**



"Gheorghe Asachi" Technical University of Iași has the oldest tradition in engineering education and research in Romania. Since its foundation, TUIASI has given priority to research, interdisciplinary approach, innovation, teaching and internationalisation.

Our main goal of developing 'technology for the people around us' has always been at the core of TUIASI's research, teaching and technological transfer activities.

- **11** faculties
- **24** research and excellence centres
- **1** Technological Transfer Centre
- **13184** Students
- **652** Erasmus + Agreements
- **93** Academic partners



“G.M. Cantacuzino” FACULTY OF Architecture

Over the course of the six years integrated study programme of bachelor and master's, our students learn various subjects from history of universal architecture, architectural design, restoration and descriptive geometry to computer aided design, aesthetics, urban composition, building physics, finishing techniques and sustainable architecture.

With an academic background based on promoting performance among students, the teaching techniques facilitate the interaction between professor and student. From this point of view, a main advantage consists of a well balanced ratio between the number of professors and allotted students per year.

Taking into account the fact that during faculty, students become familiar with various related subjects, at the end of the six years integrated study programme, they are offered many possibilities for professional development, in various specializations, such as: architectural design, restoration and rehabilitation, urban planning, landscaping architecture, interior design.

STUDY PROGRAMMES

Architecture

They gain in-depth knowledge and skills in:

- Specialised project preparation and participation in interdisciplinary collectives with experts in technical, humanist and arts fields, both abroad and at home;
- Project management with BIM and use of basic and complex CAD systems;
- Basis of sustainable design and urban planning;
- Interior design and landscaping architecture;
- Decision-making in technical agencies specialised in central and local administration.





FACULTY OF

Automatic Control and Computer Engineering

Equipped with modern infrastructure, the faculty houses two amphitheatres and seven lecture halls with technical equipment, 30 labs providing study and research opportunities at a competitive level and a library with study hall with access to books, scientific periodicals and databases.

For their bachelor studies, students choose between Systems' engineering and Computers and technology information. Our students are tomorrow's IT and system engineers, programming languages experts and software developers, at the top of their fields in private firms and big corporations like Google and Microsoft. They're also pioneers in research in artificial intelligence.

With an ever-growing demand for IT engineers, only this year, during the July admissions, almost 800 candidates opted for the Faculty of Automatic Control and Computer Engineering.

STUDY PROGRAMMES

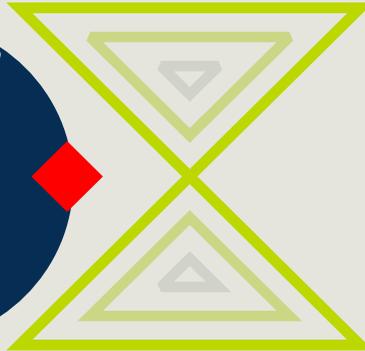
Bachelor's Degree Programmes:
Automatic Control and Applied Informatics
Computer Engineering
Information Technology

Master's Degree Programmes:
Embedded Computers
Distributed Systems and Web Technologies
Distributed Systems and Web Technologies (in English)
Embedded Control Systems
Systems and Control
Systems and Control (in English)





”Cristofor Simionescu”
FACULTY OF
Chemical Engineering
and Environmental
Protection



The Faculty of Chemical Engineering and Environmental Protection undertakes activities of education, research, and innovation at international level. Accordingly, the results of these activities lead to the creation and transmission of knowledge, training of competent and ethical professionals, and future leaders in the area of chemical and environmental engineering as well of the promotion of wellbeing of our global society. The education covers bachelor's degree (4 years), master's degree (2 years) and PhD programs.

The Faculty of Chemical Engineering and Environmental Protection is a globally renowned institution for students, technicians, researchers and managers of national and international organizations. Our graduates work in industry in corporate companies, in project management for public services, environmental agencies, surveying services and research and development units.

The R&D activity covers a wide-spectrum of areas, directly related, or with great affinity, to chemical and environmental engineering, under the perspective of both applied and fundamental research.

Our faculty has an important asset, both in laboratory equipment as well as in computer tools and documentation for community services. There is also a significant activity connected to the industry, particularly in laboratory analysis services (LACMED lab), engineering design or consulting.

This is the Faculty of Chemical Engineering and Environmental Protection and its doors are open to everyone. Come and discover us!

STUDY PROGRAMMES

Bachelor's Degree Programmes:

Biochemical Engineering

Chemical Engineering

Chemistry and Engineering of Organic Compounds,
Petrochemistry and Carbochemistry

Economic Engineering in Chemical and Materials Industry

Environmental Engineering and Protection in Industry

Food Chemistry and Biochemical Technologies

Inorganic Products Engineering and Environmental Protection

Papermaking Engineering

Polymer Science and Engineering

Master's Degree Programmes:

Clean Chemical Processes

Control and Food Processing

Environmental Management

Environmental Management and Sustainable Energy (in English)

Pharmaceutical and Cosmetic Products

Polymeric Biomaterials and Bioresources

Waste Management, Treatment and Valorisation





FACULTY OF

Civil Engineering and Building Services

As a graduate from our faculty you will contribute to the shaping, building, rehabilitation or expansion of your community and to a large extent, of our entire world.

Our students are trained for design, budgeting, surveying, planning and managing construction works and thus become the brains behind the most essential structures that surround us: terrestrial transport networks, all buildings, energy and water supplies.

During lectures, lab experiments and project meetings we embed continuous adaptation to the demands and needs of communities, from safety against natural disasters, to environmental concerns and focus on the potential of sustainable energy consumption.

Design work assisted by numerous available software, in-depth knowledge of current technologies and best practices, field trips, industry placements and international exchange programs develop the key skills of our graduates with a strong experience on working within a team.

There are ample opportunities on larger or smaller construction projects worldwide as a team member for design companies, contractors, research units, national agencies, as well as to work as a consultant, manager or entrepreneur.

STUDY PROGRAMMES

Bachelor's Degree Programmes:

Civil Engineering (in English)
Civil, Industrial and Agricultural Constructions
Transportation Infrastructures
Building Services

Master's Degree Programmes:

Building Services
Real Estate Assessment and Management
Modern Transportation Infrastructures
Buildings Engineering
Geotechnical Engineering
Structural Engineering
Structural Engineering (in English)
Construction Management and Special Technologies
Performant Materials and Building Products
The Rehabilitation and the Increase of Constructions Safety
Entrepreneurship of Real Estate





FACULTY OF Electrical Engineering

During the Bachelor studies, we train our students in the following fields: Power electronics and electrical drives, Electrical systems, Instrumentation and data acquisitions, Power systems engineering, Energy management, Economic engineering in electric, electronic and power domains and Applied informatics in electrical engineering.

The Master studies contain the following specializations: Power conversion and motion control, Information systems for environmental monitoring, Advanced electrical systems, Management energy-environment, Engineering and management in the globalization context.

In our modern labs, the students learn how to design hi-tech electrical or IT systems for transportation, energy generation and distribution, data analysis and many more. Our graduates are very sought on the labour market in Romania and around the world, as they come highly trained in the electrical engineering field also possessing economic management skills.

After finishing their studies, they work in design, execution, use and maintenance of electrical equipment, research, energetics, national defence, transports or administration. They can also find work in well known multinational companies, like those operating in the automotive area.

STUDY PROGRAMMES

Bachelor's Degree Programmes:
Power Electronics and Electrical Drives

Electrical Systems

Instrumentation and Data Acquisition

Applied Informatics in Electrical Engineering

Power Systems Engineering

Energy Management

Power Engineering and
Information Technologies

Economic Engineering in Electric, Electronic and
Power Domains

Master's Degree Programmes:

Power Conversion and Motion Control

Advanced Electrical Systems

Information Systems for Environmental Monitoring

Management Energy-Environment

Management of Energy Systems

Engineering and Management in the Globalization Context





FACULTY OF

Electronics, Telecommunications and Information Technology

The Faculty of Electronics, Telecommunications and Information Technology conducts educational and research activities related to Applied Electronics, Microtechnologies, and Telecommunications. The faculty aims at training highly skilled engineers for designing, exploiting, and maintaining digital communications systems, fixed and mobile communications networks, analog and digital VLSI integrated circuits, complex industrial electronic equipment.

The faculty offers 4 Bachelor programmes (1 in English), 7 Master programmes (2 in English), and PhD programs, according to the Bologna training scheme.

The research activity is focused on industrial electronics (efficient power converters, green energy), communications (mobile, coding techniques, wireless), digital signal processing (compression, pattern recognition, biomedical signals analysis), nonlinear image processing, intelligent technologies (neural networks, fuzzy systems), IoT, biometrics, human-computer interfaces.

Since 1993, our faculty organizes a set of significant international scientific events, in cooperation with the Romanian Academy and IEEE. A number of high-level student competitions are organized with substantial support from major industrial partners.

Companies constantly offer support for diploma and PhD theses, practical activities and internships, while also acting as partners in joint industry-university research projects. Our faculty has completed a number of international grants and we are constantly seeking cooperation within the European research framework.

STUDY PROGRAMMES

Bachelor's Degree Programmes:

Applied Electronics

Microelectronics, Optoelectronics and Nanotechnologies
Telecommunication Technologies and Systems
Telecommunication Technologies and Systems (in English)

Master's Degree Programmes:

Digital Radiocommunications

Communication Networks

Advanced Systems in Applied Electronics

Intelligent Electronic Systems and Industrial Informatics

Modern Signal Processing Techniques

Automotive Electronic Control Systems (in English)

Information Technologies for
Telecommunications (IT4T, in English)





FACULTY OF

Hydrotechnics, Geodesy and Environmental Engineering

Our faculty is the choice of students who wish to tackle the challenges facing our environment and also those fascinated by sustainable development, as upon graduation they will become hydrotechnical, surveyor or environmental engineers.

Together, they will contribute to create a more secure future for the generations of today and tomorrow.

We train students in designing, executing and using hydrotechnical equipment and structures, territorial and rural development, surveying and farmland preservation. Our graduates work in civil engineering works, especially hydrotechnical projects, public services, environment agencies, surveying services and research units.

Our students use drones, lasers and scanners to make measurements and in the faculty's labs determine soil properties. We also have a research centre for hydrodevelopment and environmental protection.

Closely studying the economic and social developments around us, we are constantly updating and upgrading our curricula to meet today's labour market needs.

STUDY PROGRAMMES

Bachelor's Degree Programmes:

Engineering and Environmental Protection in Agriculture
Hydrotechnical Constructions and Arrangements
Land Reclamations and Rural Development
Land Surveying and Cadastre

Master's Degree Programmes:

Engineering and Management of Environmental Factors
Assesment and Real Estate Development
Hydrotechnical Engineering
Modernization of Hydrotechnical Engineering,
Hydroameliorative and Hydroedilitarian Systems
Geomatics and Cartography





FACULTY OF

Industrial Design and Business Management

The faculty of Industrial Design and Business Management is known as the first and only faculty in the country, offering a complete range of study programmes for all higher education levels (BSc, MSc and PhD) in the fields of Industrial Engineering, Industrial Management and Industrial Chemistry for all sectors of Textiles, Clothing, Leather and Footwear (TCLF) industries.

Our graduates receive a strong base of knowledge acquiring digital, technological, managerial and entrepreneurial skills and competencies, being successfully employed by a large variety of TCLF companies.

The academic study programmes answer the requirements of the latest developments in accordance with Industry 4.0 and digital technologies, applied in the fashion industry and the other textile and leather sectors.

The education process is successfully facilitated by the latest technological equipments, updated softwares, including the newest specialized CAD/CAM systems.

STUDY PROGRAMMES

Bachelor's Degree Programmes:

- Industrial Design

- Industrial Design (in English)
- Technology and Design of Textile Products
- Knitting and Clothing Technology
- Footwear Design and Technology
- Industrial Business Engineering
- Business Engineering and Management
- Textile Chemical Technology

Master's Degree Programmes:

- Quality Assurance in Textile-Leather Industry
- Clothing Designing and Modeling
- Innovative Systems for Garments Manufacturing
- Advanced Knitting Technologies
- Advancements in Footwear Design and Technology
- Management and Business Administration
- Production Management
- Innovation and Entrepreneurship
- Project Management for Engineers
- Ecodesign in Textiles Finishing





FACULTY OF Machine Manufacturing and Industrial Management

Machine manufacturing is a key field in a country's development and we are committed to training our students to work in enterprises with mechanical profile.

Through flexible instructional plans, we provide engineering competence in the areas of machine manufacturing, design and exploitation of technological equipment, as well as hydraulic and pneumatic machines and systems.

We also provide entrepreneurial training, assuring our graduates a place in the industrial business world, if they so desire.

Our students have a wide array of opportunities waiting for them after they graduate. They can become engineers able to: design, plan and manage manufacturing process of various products, tools, fixtures, gauges, production systems design engineers, specialists in operation and maintenance of machines-tools, specialists in conception and managing of welding process, engineers specialised in biomedical equipment, engineers specialised in optics, optical-electronics, spectral and photometric equipment, engineers specialised in telecommunication equipment manufacturing, designers of production systems, managers at different levels, private entrepreneurs and many more.

STUDY PROGRAMMES

Bachelor's Degree Programmes:

Machines Manufacturing Technology

Digital Production Systems

Welding Engineering

Precision Mechanics and Nanotechnologies

Fluid Machines and Systems

Business Engineering in Mechanics

Master's Degree Programmes:

Computer-Aided Design and Manufacturing

Production Management and Technology

Micromechanical Systems

Advanced Manufacturing Technologies

Applied Fluid Mechanics

Industrial Entrepreneurship





FACULTY OF

Materials Science and Engineering

Our students choose between one of three domains: Material engineering, Mechanical engineering and Industrial Engineering. In our modern laboratories of Materials engineering, students learn about materials, from metals and polymers to superalloys and advanced materials, like shape-memory alloys.

They find out how these materials are produced, their behaviour in various conditions and how to choose the best material for a given application.

Our students in Industrial engineering field can learn all about industrial safety and risk assesment. In the Mechanical engineering field the focus is on equipment used in materials hot processing.

These are vast domains, with many industrial applications, so our graduates never lack for work. Some of them work for important companies like Renault, Delphi or Arcelor Mittal, while others join grant competitions held by firms with which our faculty has long-standing links.

STUDY PROGRAMMES

Bachelor's Degree Programmes:
Materials Processing Engineering
Materials Science
Safety Industrial Engineering
Industrial Processes Equipment

Master's Degree Programmes:
Advanced Materials and Experimental Analysis Techniques
Advanced Techniques in Materials Processing Engineering
Industrial Systems for Modern Technologies
Engineering Safety and Health at Work





FACULTY OF Mechanical Engineering

Our students are trained in three areas of specialization: Automotive Engineering, Mechanical Engineering, and Mechatronics and Robotics. In our well-equipped labs, students learn about automotive engines and powertrains, boilers, turbines, refrigeration systems, renewable energies, micro-robotics and mechatronic microsystems.

Depending on the chosen program of studies, students learn about advanced mechanical design, internal combustion engines and refrigeration equipment, automotive design, air conditioning and boilers control systems, food industry engineering and equipment, and agricultural equipment and machinery.

They also study mechatronics and robotics in a high-tech environment involving an interdisciplinary approach that combines mechanical engineering, electronics and computer science.

An important highlight of extracurricular activity of some dedicated students and faculty members is represented by the design and build of racing cars, and participation in a student engineering competition, named "Formula Student", held in different locations around the world.

STUDY PROGRAMMES

Bachelor's Degree Programmes:

- Automotive Engineering
- Engineering of Automotive Propulsion Systems
- Automotive Construction
- Mechanical Engineering
- Thermal Systems and Equipments
- Machines and Installations for Agriculture and Food Industry
- Mechatronics
- Robotics

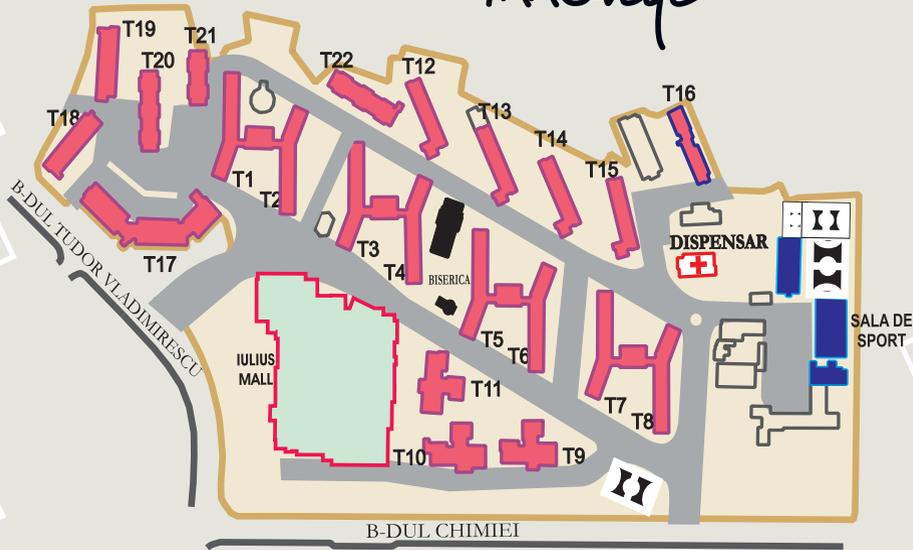
Master's Degree Programmes:

- Concept and Management of Automotive Design
- Road Traffic Safety and Performances
- Systemics of Motor Vehicles Transportation
- Diagnosis and Technical Expertises in Mechanical Engineering
- Heat Machines, Refrigeration and Air Conditioning
- Railway Transportation Systems
- Environmental Techniques in Food Industry
- Advanced Mechatronics
- Robotic Systems



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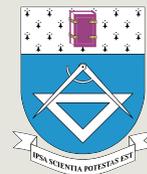
innovate



You'll live in 'Tudor Vladimirescu', an 8,000 student campus that's like a small city within the city. Awesome places, tasty local food and great nightlife that you'll instantly fall in love with. There is a new and modern cafeteria, where you can eat tasty food at cheap prices.

We promote a healthy lifestyle experience through sports and leisure facilities, providing two modern and fully equipped gym halls, six playing fields, fitness and aerobic centre, as well as a place where you can play football, volleyball and basketball. By the way, did you know that Romania has one of the best internet speed in Europe? Stay in touch with friends and family and never miss a Facebook post, an Instagram image or a tweet while on campus.

www.campus.tuiasi.ro



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