TECHNICAL UNIVERSITY
OF MOLDOVA

ENGINEERS MAKE THE FUTURE

It is worth coming!

The development of the knowledge and innovation-based economy of any country is indispensably related to the engineer's activity, which is the main creative force of a modern and competitive society. Being the only technical higher education institution in the country, Technical University of Moldova, from its foundation in 1964, has trained more than 80000 engineers, that are leading players in all fields of the national economy and all over the world.

Today, Technical University of Moldova is committed to transferring knowledge to areas including: ICT, Mechanical and Civil Engineering, Power Engineering and the Environment, Food Technology, Architecture, Design, Business Innovation and Law.

Get to know us!

Discover!

Study with us!

A WARM WELCOME!

Dear friend,

I am really glad to greet you on behalf of the entire community of TUM. Now, that you are at the stage when you have to decide on the career you would like to pursue, the choice of the university may seem a difficult challenge. Still, the studies you are going to perform are the ones that could open you the doors to new experience and successful achievements. We know it is a difficult decision and that is why we have developed this guideline for you containing useful information and advice to help you get to know us better and make the right choice.

You certainly know that engineers are the most sought after in the labor market and by choosing TUM you motivate us to continuously develop along with our students. We invest energy to create dynamic, friendly and accessible study facilities. We develop new teaching and learning methods to help you acquire more knowledge in the field you choose to study. You will learn from professionals and benefit from practical studies, modern laboratories and learning spaces endowed with innovative equipment.

We encourage you to be active and curious in order to profit from all the opportunities we offer. Regardless of the faculty you choose be sure that you will have various opportunities to pursue your passion and to develop. We are focused on you getting the required outcomes and want to make sure that you obtain useful knowledge and also that you develop yourself with enthusiasm in the chosen study field.

We are looking forward to you becoming part of TUM community!

Doctor habilitate, university professor Viorel Bostan, rector of the Technical University of Moldova

GET INSPIRED BY TUM

9 faculties

315 laboratories

31 research centres

Nr 1

among universities in the country
(Webometrics, January 2017)

+9500
Students

+700
Academic staff

75%

of graduates are employed within 3 months from the date of graduation

- **Cooperation agreements** with over 75 universities in the EU, USA, and Canada
- **Mobility programmes**, summer schools, and internships abroad
- The first nano-satellite in the country is built by TUM

TUM hosts:

- the first center of excellence in the ICT field - **TEKWILL**
- the first **wine making** state of the art production and research laboratory
- the exclusive center of excellence and acceleration in design and technologies - **ZIPHouse**
- the ultramodern platform of digital manufacturing, industrial design and engineering - **FabLab**

THE EXPERIENCE OF OUR STUDENTS

Emil Barbaros – Faculty of Mechanical and Industrial Engineering, and Transportation (FMIET)

After graduating the Politechnic College I had several options where to go and build my future: to accept a job offer in Shanghai that I received after graduating from the College, to find a job on my specialty in Moldova, or to continue my studies. Analysing what might be better for me on a long term, I chose to come to TUM. I am currently a student in the third year, I study mechanical engineering, and I am happy with the choice I made. At TUM I developed myself both as a personality and as a specialist. I took part in engineering competitions and got the top awards. I have created a valuable networking and a path towards the future I have chosen to myself.

Valentina Lazari – Faculty of Textiles and Poligraphy (FTP)

In the three years since I have opened for the first time the doors of this university I gained immeasurable knowledge in the field I am studying. While in high school, as you are know, I experienced a total dilemma and I was not sure which university to apply to. I came to the Open Doors Day organized by TUM and I realised that this was the place I want to spend my time as a student. I made a lot of friends here, I got involved in various activities, and I learned a whole lot of things. I don't regret the choice I made. Due to the professors here and the possibilities offered I am confident that I will become a good specialist in the field. Dear colleagues, we are looking forward to seeing you here and encourage you to open the doors of this university too, and become students at TUM.

Margareta Pochin – Faculty of Electronics and Telecommunications (FET)

I chose TUM because it is one of the strongest universities in Moldova. The faculty I chose to perform my studies made me change my mindset completely and gain a unique experience on the land of knowledge. In parallel, I managed to get involved in various extracurricular activities, and thus I became part of the student selfgovernance team, but also of the student union platform. I encourage you all to join a future of success!

OPPORTUNITIES!

Enjoy the student life!

TUM offers every student a rich experience, a friendly and dynamic study environment. Do you wonder what you will do besides courses, projects, and exams?

Know that you can engage in many interesting activities, can bring your ideas to life, and meet new people you will create innovative projects with. And not only this. You will cultivate in yourself the habit of being curious, independent learning, and achieving big goals. Dare to enlarge your horizons.

BEST – Board of European Students of Technology

The organization is present in 96 technical universities in 33 European countries. As a member of BEST you will learn to work at an international level, discover the diversity of the European culture, and meet new people. You will take part in various career events, courses, international courses, engineering competitions and festivals.

Student Union Organization

Over 90% of students are members of the organization. This is a community of young and energetic people willing to get involved in cultural, sport and creativity events. We implement together ideas and daring projects, such as the online radio „Studentus" and the information portal **www.studentus.md.** Join our team to develop new abilities and make changes for the better.

OPPORTUNITIES!

Sport

This is an area we are proud of, especially that we are the only higher education institution in the country that participates annually with 6-7 sports teams at national championships. The Youth Sports Complex of TUM has two football pitches, tennis and volley courts, and the Leisure and Sports Centre has a gym, a basketball, handball and badminton court, table tennis, and a minifootbal hall.

The fanfare orchestra

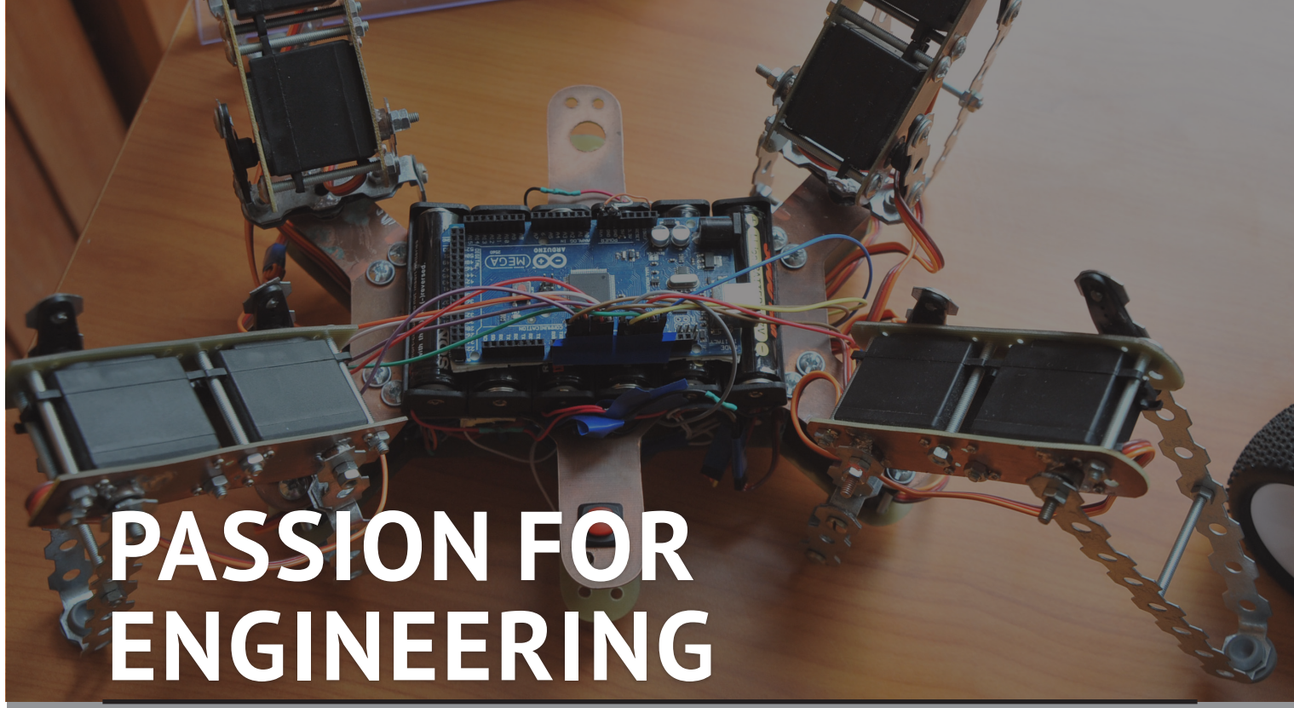
If you are a fan of fanfare music then do not miss the opportunity to become part of our orchestra. Many cultural events, competitions and festivals are waiting for you. You will spend your time beautifully, in a lively environment, where music and passion for culture are at home.

The folk music and dance ensemble

You will learn from art masters to develop a passion for our folk music and dance. Our ensemble takes part in different national and international competitions and festivals. It is a good chance to develop an artistic spirit and make a good team with other passionate and talented young people.

Erasmus+ mobilities

The Erasmus+ programme provides you with the chance to study abroad. The experience can last from 3 to 12 months. It is a good opportunity to enlarge your horizons, to learn new things, and to make friends. You only need to have the courage and the wish to make changes and enthusiasm. We guarantee you our support.



PASSION FOR ENGINEERING

Our students are full of enthusiasm, willing to transform their ideas into interesting projects, to work towards achieving the proposed objectives and to gain knowledge for the future career. Each faculty offers an environment that will inspire you to learn and grow.
Allow yourself sufficient time to think on what you want to do next. We provide you with interesting studies and special experience at TUM!

FACULTY OF ELECTRONICS AND TELECOMMUNICATIONS

168, Stefan cel Mare si Sfant Blvd., study building nr. 1 *+373 22 23 52 36*

Electronics and telecommunications are the most dynamic development areas of national and world economies. FET is the place where you can develop the passion for complex electronic equipment, software technologies, and robotics. You will learn the role of information technologies, electronics, and telecommunications in the development of the society, e-governance, and electronic commerce. Due to performant laboratories and practical activities you will be able to accomplish your ideas and discover innovative solutions in an active environment rich in opportunities

WHAT WILL YOU STUDY?

- Applied information technologies
- Information security in electronic and telecommunications systems
- Specialized software applications
- Mobile communications networks
- Optical communications networks
- Standards and interconnection of communications networks
- Marketing and logistics
- Management in telecommunications
- Business analysis and planning
- Production of electronic systems
- Programming of microcontrollers and microprocessors
- Audio and video digital systems
- Designing robotic systems and automotive electronic systems
- Radio and TV communication networks
- Designing communication networks based on Cisco, Mikrotik and Huawei equipment

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Engineering and and management in telecommunications
- Telecommunications technologies and systems
- Telecommunications networks and software
- Radio and TV communications
- Applied electronics
- Security of electronic and telecommunications systems

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Information Security in Communication Network Systems
- Electronic Systems and Communication
- Maintenance and Management of Telecommunication Network

The faculty's team, together with its students, actively takes part in the development of the **first satellite** of the Republic of Moldova.

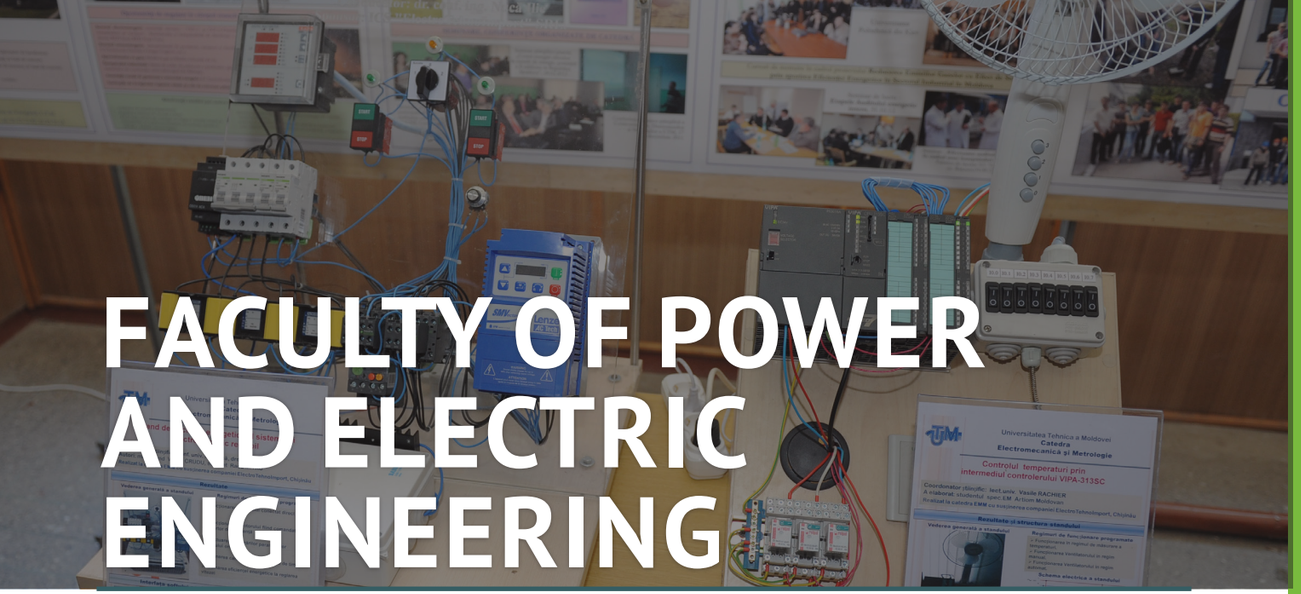
Some disciplines are taught in **English and French** upon students' request.

20 gold medals were won at international invention salons and exhibitions.

There are **26 laboratories** at the faculty.

Studies at **Cisco Academy** in the field of telecommunication information technologies with the promotion of the most modern telecommunication technologies and protocols

With the support of businesses there were set up several laboratories like "Advanced technologies in telecommunications" (Moldtelecom S.A.), "Mobile communications" (Moldcell S.A.), "Commutation systems" (Iskratel, Slovenia and S&S Solutions & Service, SIEMENS, Germany, Digital television IS Radiocomunicatii) etc.



FACULTY OF POWER AND ELECTRIC ENGINEERING

78, 31 August 1989 str., study building nr. 2 *+373 22 23 41 87*

An area that grows very fast and is indispensable for the growth of any society. The Faculty trains specialists in the field of traditional and renewable energy, electrical engineering and industrial automation. Choose this faculty and you will contribute to the efficient identification and exploitation of energy resources, to the development of the electrotechnical industry and the implementation of new technologies in the field. Here you acquire the knowledge and skills required on the labour market and get involved in dynamic activities that open many roads.

WHAT WILL YOU STUDY?

- Design of power systems
- Elaboration, maintenance of equipment, electronic and electromechanical converters
- Implementation of electromechanical systems for automation of technological processes
- Metrology, standardization, product compliance, quality management
- Optimization of energy processes in the transport system
- Technologies for the use of renewable energy sources
- Design of thermo energy systems

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Electroenergetics
- Thermoenergetics
- Engineering of electromechanical systems
- Engineering and management in energetics
- Engineering and quality management

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Power Engineering
- Energy and Environment
- Electrical Engineering
- Engineering and Quality Management

33 specialized laboratories

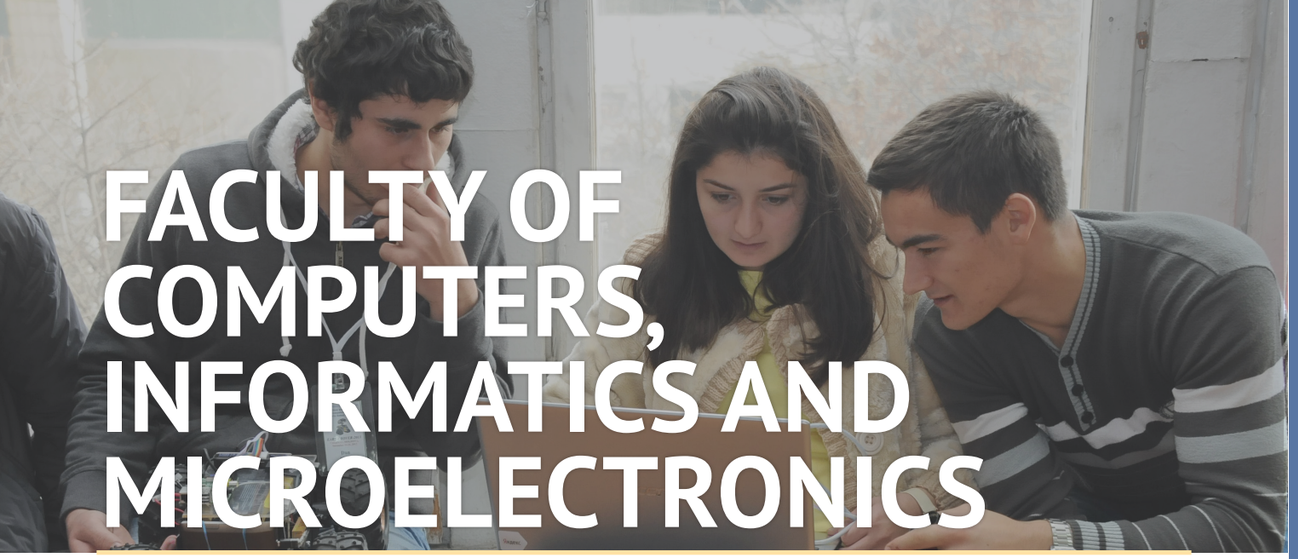
Opportunity to **continue your studies** and take part in **internships** in Romania, France, Sweden

3 research, design and consultancy centers

Some disciplines are taught in **English and French** upon students' request

Students' **creativity center**

Opportunities to develop skills in **programming**



FACULTY OF COMPUTERS, INFORMATICS AND MICROELECTRONICS

9/7, Studentilor str., study building nr. 3 *+373 22 50 99 05*

Are you passionate about IT and want a career with many advantages and growth opportunities? Then choose FCIM with confidence. Due to the development of new technologies, specialists in this field are in great demand and wages are among the most competitive on the labour market. We have developed a complex study programme so you can be prepared and productive enough after completing your studies. Apply knowledge in modern laboratories, go to various thematic events and get involved in innovative projects.

WHAT WILL YOU STUDY?

- Design and development of software / hardware products
- Design and use of operating systems. Database
- Design and management of computer networks
- System and network programming. Web technologies
- Design and programming of robotic and mechatronic systems
- Management of medical technologies
- Assurance and execution of diagnostic researches, treatment procedures
- Development / programming of microelectronic systems and nanotechnologies
- Telemedicine and digital communications
- Development / design of IT products and systems
- Information security

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Automation and informatics
- Microelectronics and nanotechnologies
- Computers and networks
- Information technology
- Biomedical engineering
- Information security
- Software engineering
- Robotics and mechatronics

Bachelor's degree studies, Duration of studies: full time – 3 years, part-time – 4 years, 180 ECTS

- Applied informatics
- Information management

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Microelectronics and Nanotechnologies
- Biomedical Engineering
- Computers
- Informational Technologies
- Informational Security

Master's degree studies, Duration of studies: full time – 2 years, 120 ECTS

- Microelectronics and Nanotechnologies
- Biomedical Engineering
- Computers
- Informational Technologies
- Informational Security

International Center "Engineering of Microelectronic Systems and Biomedical Devices"

French group "Informatique" and Anglofon group "Software Engineering"

Student Circle "Dedicated Electronic Systems"

You can study in Romanian, French, English and Russian

Laboratories equipped with computers, electronic devices and systems

"HARD & SOFT" student technical development center

Our graduates are among the world's leading software engineering innovators

FACULTY OF FOOD TECHNOLOGY

9/9, Studentilor str., study building nr. 5 *+373 22 50 99 60*

Are you interested in science, nutrition and food technology and want a career in this area? Then apply to FFT. Whether you choose Wine Technology or Food Technology, you will study the composition and quality of food, create new products and promote them on the agri-food market. Here you also get skills and abilities in business administration. FFT offers dynamic studies, modern laboratories, opportunities to practice internships abroad and develop an exciting career in the food industry.

WHAT WILL YOU STUDY?

- Composition and quality of food
- Food technologies
- Wine and fermentation products manufacturing technologies
- Ecology of food products
- Developing own businesses in the food industry
- Development of national and international food programs

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Biotechnologies
- Food technology with specializations:
  - Technology of meat and meat products
  - Bakery technology
  - Milk and dairy technology
  - Technology of fruit and vegetable preservation and processing
- Technology of wine and fermented products
- Engineering and management in the food industry

Bachelor's degree studies, Duration of studies: full time – 3 years, part-time – 4 years, 180 ECTS

- Food and Nutrition Services

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Viticulture and Winemaking Management
- Engineering and Management in Food Industry
- Food Quality and Safety
- Management of Restaurants and Catering Services

Studies in French, study programme „Technologies alimentaires"

Center of Excellence in Viticulture and Enology „Oenological research center"

State of the art wine-making centre of excellence with research laboratories and production facility

Practical training center and continuous training in the field of public catering

Training and Technology Transfer Center for Food Technology

Research center in the field of preserving horticultural products

Centre de réussite universitaire (CRU, Agence universitaire de la francophonie)

FACULTY OF MECHANICAL AND INDUSTRIAL ENGINEERING, AND TRANSPORTATION

9/8, Studentilor str., study building nr. 6 *+373 22 50 99 30*

One of the largest faculties. Here are trained mechanical engineers, machine builders and technologists, capable to design robotic machines and technologies, equipment of fine mechanics and classical mechanics using modern computer methods. The faculty traditionally ranks first in scientific research, and students have excellent opportunities to align themselves to creative and innovative research. Alternating studies and internships run both at home and abroad. Here you will study in a creative environment with opportunities for growth and modern development. Specialists in the field are highly sought after by employers.

WHAT WILL YOU STUDY?

- Technological and constructive design of manufacturing products and processes
- Design of finished products
- Design of enterprises and equipment in the textile and food industries, automotive / rail transport
- Automotive / rail transport and logistics management
- Traffic organization / road and rail traffic safety
- Construction, maintenance, diagnosis and repair of automobiles / railway vehicles, machinery in the food, textile and refrigeration industry

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Machine building technology
- Machines and production systems
- Mechanical engineering
- Refrigeration machinery and equipment, air conditioning systems
- Product design engineering
- Industrial design
- Automotive engineering
- Railway transport engineering
- Transport and expedition services
- Engineering and management in machine building
- Engineering and management in transport

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Safety and Greening of Road Transport
- Management and Exploitation of Transport
- Engineering of Machine Building Products and Process
- Engineering and Management of Production System
- Mechanical Engineering
- Industrial Design
- Engineering of Renewable Energy Conversion Systems

30 teaching and research laboratories

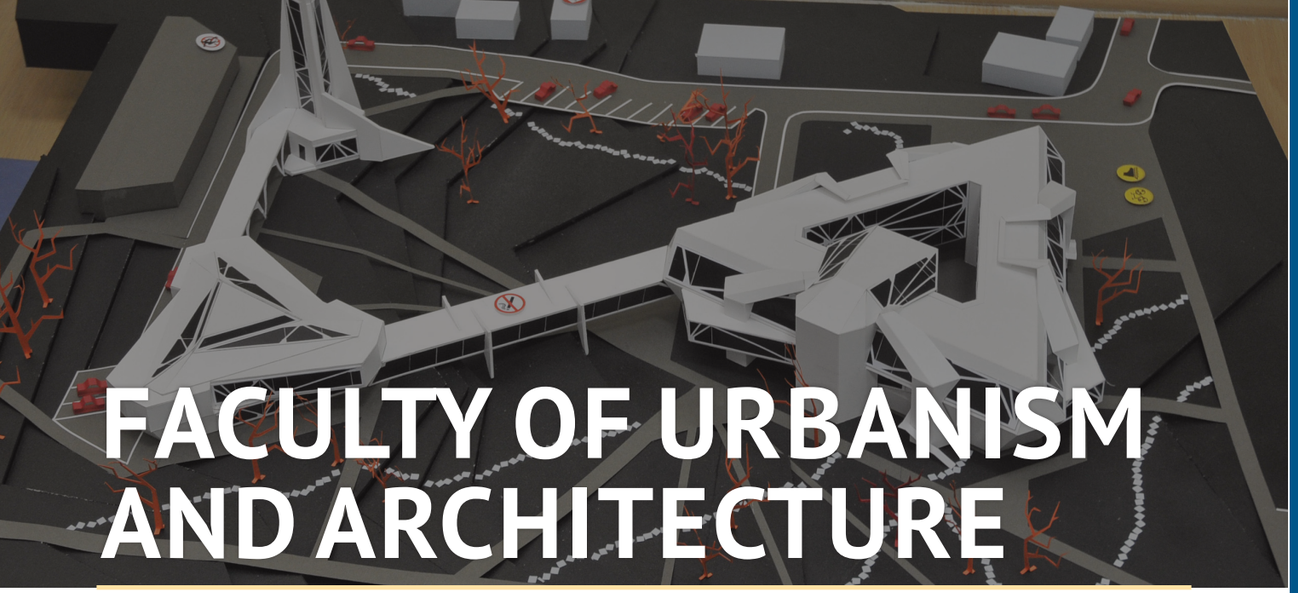
FabLab - a 700 sq.m. space for digital manufacturing, industrial design and engineering

2 laboratories shared with industry companies

Creativity center in Industrial Design

11 research and LLL centers

Student creativity center



FACULTY OF URBANISM AND ARCHITECTURE

39, Dacia blvd., study building nr. 9 *+373 22 77 44 11*

The place where technical and artistic creativity is encouraged and developed. If you have an artistic mind, you want to get involved in interesting projects and develop creative solutions in terms of urban planning, then you have come to the right place. Our study programmes in the field of creative art and engineering are in step with technological and economic progress. Here you will create new concepts of technology to modernize villages and cities, turning them into friendly and accessible environments.

WHAT WILL YOU STUDY?

- Design, execution, reconstruction and maintenance of civil engineering
- Elaboration of production technologies
- Organization, production planning and management
- Elaboration of project documentation
- Exploitation and maintenance of engineering systems
- Design, construction, reconstruction and maintenance of infrastructure objects
- Landscape design and landscaping
- Exploitation of machinery and construction equipment

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Urban and regional planning
- Interior design
- Engineering of building materials and articles
- Railways, roads and bridges
- Water supply, sewage
- Engineering of heating, gas and air conditioning systems for buildings
- Environmental engineering
- Machines and mechanisms for construction
- Sculpture

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Interior Design
- Urban Planning and Land Development
- Management of Sanitary Engineering Systems and Environmental Protection
- Engeenering of Instaltions for Microclimate Insurance in Buildings
- Roads, Construction Materials and Mechanization

Integrated programme, Bachelor + Master, Duration of studies: full time – 6 years, 360 ECTS

- Architecture

School of Design

14 laboratories

The chance to study 6 or 10 months at a university in Europe or the US

2 modern didactic-scientific workshops equipped with stands, installations, layouts

International summer schools (Romania, Ukraine, Hungary, Poland, Spain, Norway, China etc.)

11 design, layout, drawing and painting rooms

FACULTY OF CIVIL ENGINEERING, GEODESY AND CADASTRE

41, Dacia blvd., study building nr. 10 *+373 22 77 39 96*

The field of civil engeneering is one of the oldest areas and branches of development in the world. Civil Engineering is the greatest involvement of mankind, in terms of creation, of the desire to make order in this exciting but also chaotic world. Choose to study with us at FCGC and you will get various opportunities to grow and engage successfully. A career in this field means projects on the field, the development of plans and maps, the application of new technologies for construction-assembly works, the development, management and evaluation of constructions and much more.

WHAT WILL YOU STUDY?

- Design of engineering and construction edifices
- Marketing and real estate management
- 3D modeling of land, objects on the terrestrial surface, based on topographic and photometric measurements
- Modern methods, stages and procedures for the development of digital maps and plans
- Representation on the plan or map of the land surface
- National and international standards for assessing real estate

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Industrial and civil construction
- Engineering and management in constructions
- Real estate evaluation and development
- Geodetic and cadastre engineering (only full-time studies)
- Fire protection and civil protection engineering
- Law (Real Estate Law)

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Structural Engineering
- Anti-fire and Civil Protection Engineering
- Geomatics and Cadaster
- Real Estate and Cadastral Law
- Real Estate Evaluation and Administration

Specialized laboratories (in Civil Engineering, geodesy, wood processing, etc.)

Research Center in Engineering Geology, Geotechnics and Foundations

The chance to study abroad either a semester or an academic year through the Erasmus + programme and other academic mobility programmes

Student Technical Creation Center

Training courses in real estatee valuation carried out in cooperation with the National House of Real Estate of the Republic of Moldova

FACULTY OF ECONOMIC ENGINEERING AND BUSINESS ADMINISTRATION

41, Dacia blvd., study building nr. 10 *+373 22 77 45 22*

Do you want to work in a marketing agency, contribute to developing the image of companies in the country or manage your own business? Stop thinking. Come to FEEB! Studying here you will gain practical knowledge and experience in direct marketing and branding in sales management, business plans, launching your own business, but also in other areas. We have developed an interactive study programme to help you evolve in your chosen career and your work to contribute to the economic, social, cultural progress of companies, institutions and society.

WHAT WILL YOU STUDY?

- The basics of marketing
- Production logistics
- Direct marketing and merchandising
- Sales and promotion techniques
- International commerce
- Financial accounting
- Analysis of economic activity
- Entrepreneurship (industry / construction)
- Enterprise finance
- Investment management (Industry / Construction)
- Global economy

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time - 3 years, part-time - 4 years, 180 ECTS

- Accounting
- Business and administration
- Marketing and logistics

Master's degree studies, Duration of studies: full time – 2 years, 120 ECTS

- Real Estate Economics
- Business Administration
- Industrial marketing

Master's degree studies, Duration of studies: full time – 1,5 years, 90 ECTS

- Business Administration

2 laboratories

Internships in public and private institutions

Specialty library

Monthly seminars: Particularities of Contemporary Marketing and European Economic Integration

Business Center for Entrepreneurial Assistance

Language learning programs

FACULTY OF TEXTILES AND POLIGRAPHY

4, Academician Sergiu Radautanu str., study building nr. 11 *+373 22 32 39 71*

Here you learn to think creatively and acquire knowledge in the field of design and manufacture of clothing, decorative arts and polygraphic design. Originality, daring ideas and innovative spirit are fully encouraged and sustained. Our study programmes include the entire path from concept and design to the realization. You will be able to explore the possibilities of new technologies, techniques and innovative design solutions and to create collections of clothing and footwear.

WHAT WILL YOU STUDY?

- Fashion design and textiles
- Design and production of fashion and clothing collections, footwear and leather goods
- Fine and decorative-applied arts (painting, graphics, artistic print, etc.)
- Design and production of polygraphic products
- Management and economy of garment manufacturing systems
- Polygraphic production management
- Design software (Adobe: Photoshop, Illustrator, InDesign, Premiere Pro, Dreamweaver, Light Roam, Corel Draw, AutoCAD, GEMINI CAD, MINI CAD 3D etc.)
- Using information technologies to design and launch products

STUDY PROGRAMMES

Bachelor's degree studies, Duration of studies: full time – 4 years, part-time – 5 years, 240 ECTS

- Technology and design of textile garments
- Engineering and management in textiles (clothing, footwear and leather goods)
- Technology and design of footwear and leather goods
- Design and polygraphic technologies
- Industrial clothing design
- Applied decorative arts

Master's degree studies, Duration of studies: full time – 1,5 year, 90 ECTS

- Printing Design and Technologies
- Clothing and Design Technologies
- Engineering and Business Managing in textile
- Product Design and Development

ZIPHouse - Center of Excellence and Acceleration in Design and Technologies

Digital printing technology lab

5 workshops for artistic training

Textile and leather garments workshops

4 fashion design laboratories

80% of graduates are employed in the field of textile industry

3 computerized graphics laboratories

DOCTORAL STUDIES

Doctoral degree studies, 3rd Cycle. Duration of studies: full time - 3 years, part-time - 4 years, 180 ECTS

DOCTORAL SCHOOL – MECHANICAL AND CIVIL ENGINEERING

- Solid mechanics
- Building materials, elements and structures
- Civil engineering networks
- Architecture of buildings and structures
- Theory of machines, mechatronics
- Tribology
- Processing technology, procedures and equipment
- Thermotechnology, thermal machines and refrigeration installations
- Technical machines and devices
- Technologies and technic equipment for agriculture and rural development
- Processing engineering and management (by branches)
- Geodesy and geo-informational technologies
- Cadaster, monitoring and land regulation
- Interior design, environment and landscape art

DOCTORAL SCHOOL – FOOD SCIENCE, ECONOMIC ENGINEERING AND MANAGEMENT

- Technology of food production of plant origin
- Technology of food production of animal origin
- Technology of alcoholic and non-alcoholic beverages
- Food safety
- Food industrial processes and equipment
- Biological and chemical technologies in food industry
- Economics theory and politics
- Economics and management in the field

DOCTORAL SCHOOL – COMPUTER SCIENCE, ELECTRONICS AND POWER ENGINEERING

- Modelling, mathematical methods and software
- Statistical physics and kinetics
- Materials physics and technology
- Conduction systems, computers and information networks
- Information technology, products and systems
- Information security technology and systems
- Nanotechnology for microelectronics and optoelectronics
- Biomedical equipment and devices
- Energy systems and technology
- Energy conversion technologies and renewable energy resources
- Electrotechnical devices and equipment
- Electrotechnical technology
- Metrology, standardization and conformity
- Methods and control systems in metrology

RESEARCH

MAIN AREAS AND DIRECTIONS:

Safety and quality of life:

- ***Biotechnologies, processing, human and veterinary medicine:***
  Food quality and food technological processes capability; Innovative technologies in oenology.
- ***Energetic security, geology, seismology, and sustainable construction:***
  Intelligent management in the energy system, energy diversity and renewable energy; Reorganizing the energy system in economic, ecological, technological and social terms based on the energy triple concept; Seismic security and construction of country's buildings according to the real seismic hazard; Domestic construction materials; Sustainable Architecture, Urban Planning and Sustainable Urban Development.

Future emerging technologies:

- ***Methods and theories in fundamental, applicative mathematics and information technologies:***
  Modern models and methods in mathematics and physics with applications in engineering of sustainable processes, industrial products and technologies; Information and communication technology; Cyber security, encoding of information and cryptology.
- ***Physics and chemistry of materials and processes, engineering, technologies and innovative products:***
  Mechanical power systems and fine mechanics; Tribology of mechanical systems; Nanotechnologies, new multifunctional materials, electronic and photonic devices for various applications; Innovative technologies, materials and devices for medicine; Applied electronics; Food processing, quality and safety; Innovative materials, products and technologies in textiles; Innovative technologies, materials, systems and products for industry, robotics, agriculture, phytotechnics, animal husbandry, environmental and plant protection; Competitive industrial products, sustainable technologies, devices and processes; Nanotechnologies, multifunctional materials, advanced technologies and systems for communications, electronics, optoelectronics, photonics, spintronics; Materials and products for biomedicine, food processing/preservation and quality control technologies and food safety.

Knowledge society and creative industries:

- ***Modernizing the state and the national economy in the context of national reintegration processes and European integration:***
  Directions for increasing competitiveness in industry and construction in the context of sustainable development; Entrepreneurship development; European economic integration - a priority vector for the development of the Republic of Moldova.
- ***Philosophical and encyclopedic research, capitalization of national heritage and historical heritage:***
  Development and consolidation of the national patrimony in terms of ecological - bionic design and diversity of industrial products.

14
Scientific events

219
Researchers

Scientific publications
798

31
Scientific projects performed

Patenting activity
27

164
Awards at International Salons of Invention

7573
thousand, lei
State funding

Google Scholar **1873**
Scopus **1546**
The Hirsch Index **58**

INTERNATIONAL PROGRAMMES

Erasmus +

Erasmus + is the EU program for education, training, youth and sport for the period 2014 - 2020. Education, training, youth and sport can make a major contribution to tackling socio-economic change, the main challenges facing Europe by the end of the decade, and to implementing the European policy agenda for growth, jobs, equity and social inclusion.

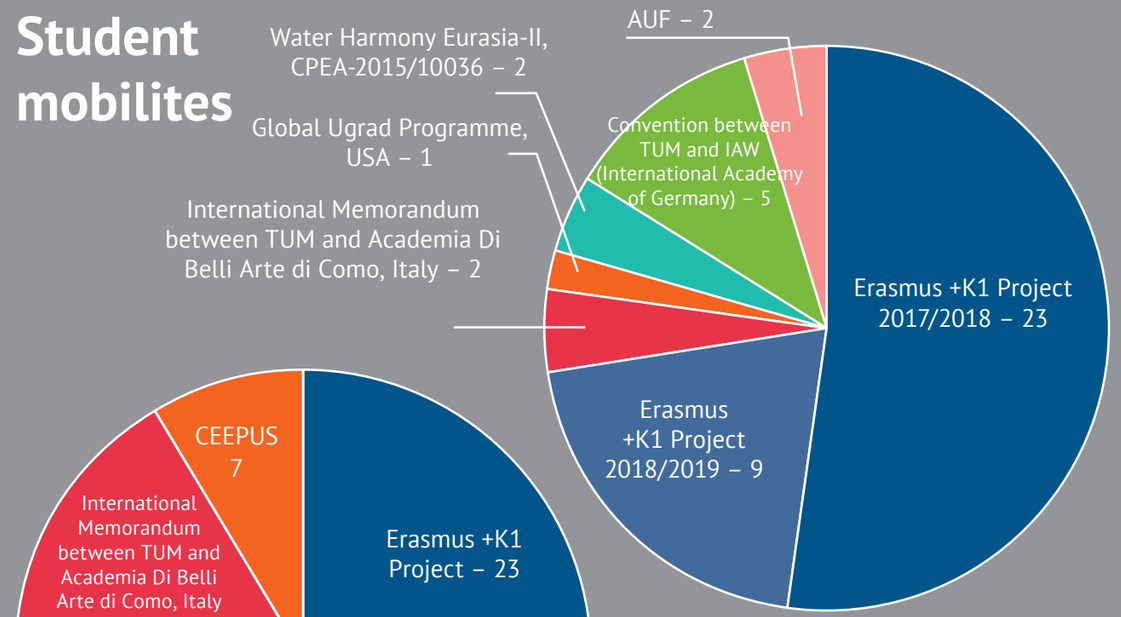
CEEPUS

CEEPUS (Central European Exchange Program for University Studies) is a regional academic mobility program that has been running in Central and Eastern Europe since 1993.

AUF

The Francophone University Agency (AUF) is an international association created over 50 years ago. It brings together 845 higher education and research institutions from 111 countries on five continents. AUF is also the operator for higher education and research at the Francophonie Summit. Its mission is to promote a solid francophone university, engaged in the economic, social and cultural development of societies.

Student mobilites



Afiliations:

- European University Association (EUA)
- Black Sea Universities Network (BSUN), International Nuclear Security Education Network (INSEN),
- EUROPRACTICE,
- L'Agence Universitaire de la Francophonie (AUF).

Staff mobilites

ZIPHouse – Center of Excellence and Acceleration in Design and Technologies

An innovational center specialized in design and technology in textile industry, offering students, young designers and specialists in the field modern technical resources for their study. ZIPHouse was designed in an eco-industrial style and equipped with media equipment, IT and specialized production equipment.

Tekwill – Center of Excellence in Information Technologies and Communications

Opened in March 2017, Tekwill is a coworking space rich in state-of-the-art equipment, practical projects, entrepreneurial activities, mentoring and access to the international IT services and products market.

FABLAB - Chișinău

FabLab Chişinău is the largest prototype and small-scale production workshop in the Republic of Moldova equipped with computer-controlled equipment and machines.

FabLab Chisinau is the open space for innovation for designers, engineers, architects, electricians, entrepreneurs and students who want to develop transformational projects for the community.

TUM Park – outdoor museum of art and technology

TUM Park makes you travel in time. Here you can find sculptures, installations, other machines and engineering creations of inventors - graduates and current students of TUM. In this environment, where engineering blends harmoniously with art, architecture and landscaping, you will have nice time with your friends and colleagues.

University Information and Career Guidance Center (CEGHID)

Created to help you develop your career. Our experts will provide you with the support you need to get a job.

- internships offered by enterprises
- existing jobs and employment conditions
- completing CVs and cover letters

We have a database of about 10 thousand businesses in the country.

www.cariera.utm.md

University Library

It contains over 1 million 19,000 works in the fields of science and technology that you can use whenever you need it. It's a very good environment for you to document and learn, especially for exams.

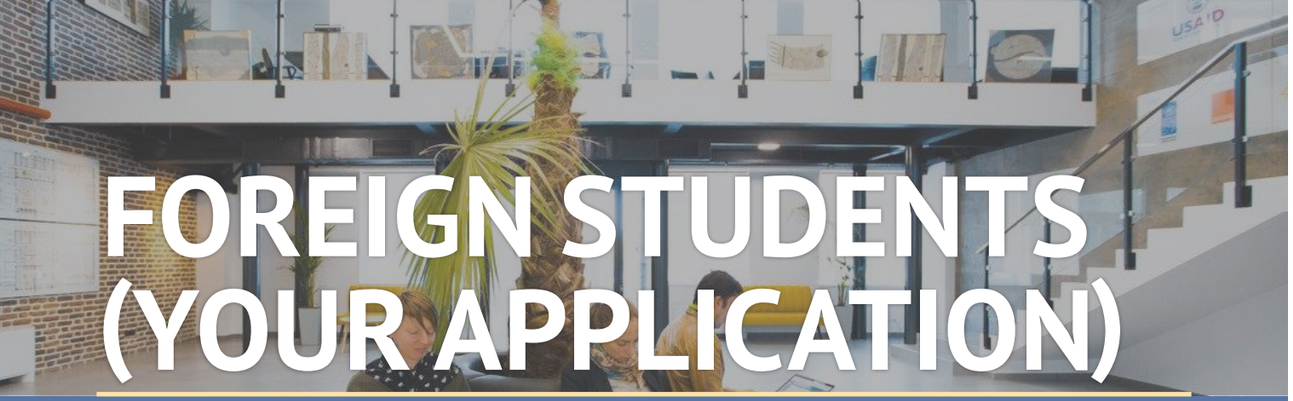
Work programme:

Monday to Friday: 08.00 - 17.00
Saturday: 09.00 - 16.00

www.library.utm.md

„SUCCESS IS THE SUM OF SMALL EFFORTS - REPEATED DAY IN AND DAY OUT”

Robert Collier



FOREIGN STUDENTS (YOUR APPLICATION)

ADMISSION

How to apply:

For our undergraduate or postgraduate study programmes you can apply directly to: *international@adm.utm.md*

Information regarding the application process can be found at *https://utm.md/admiterea-utm/admiterea-cetateni-straini/*

You will be able to check the conditions of your offer by emailing to us. You will also be sent an offer letter which will state the conditions for application.

Is there an application deadline?

For our undergraduate or postgraduate study programmes the period of application is: July 15 – August 30, however we do recommend applying sooner rather than later.

What should I include in the application?

When submitting your documents, you will be advised of any additional supporting information we require. This may include:

1) Application form;
2) Copy of the national passport, with a term of validity of at least one year;
3) Copy and legalized translation of your highest qualification such as your degree, attested by the Ministry of Foreign Affairs and the Ministry of Education of the country delivering this act;
4) Copies of your English/Romanian/Russian language qualification;
5) Written statement of personal responsibility regarding the authenticity of the documents presented.
6) Copy of the Academic Value Statement for the study documents, issued by the competent authorities of the citizen's country of origin, containing the confirmation of the authenticity of the study papers including: duration of studies; academic value and professional training; description of grading system.

What happens next?

As many of our qualifications are professionally based, we review your qualifications in order to determine your suitability.

The decisions are then forwarded to the Admissions Team and your details are updated.

Updates are communicated through email so please ensure these details are correct on your form.

VISA REGULATIONS

If you need an entry visa in the Republic of Moldova, please check the following necesary documents:

- A valid passport,
- An invitation letter supplied by our university,
- A letter from your bank with a statement assuring that you have sufficient financial means to fund your studies in the Republic of Moldova,
- A confirmation of guaranted accommodation (this will be supplied by our university, provided you have chosen to be accommodated at our dormitories),
- A health insuranse contract for complex medical care in case of illness or acident, issued by an accreditaed Health Insuarance Agency in the Republic of Moldova,
- A certificate of absence of criminal records from your country of origin (this document is compulsory and must be translated into Romanian by a translator with an official stamp.

More information you can find at www.evisa.gov.md

Preparatory year

The preparatory year is for foreign citizens who do not speak the Romanian or Russian language but have selected to follow the study program taught in mentioned language.

LIVING IN MOLDOVA: cost of staying, climate, location.

Cost of staying

Costs of staying in Chisinau, R. Moldova are in the least expensive 10 percent of all 248 Teleport cities. Average living expenses are significantly lower compared to other cities. The currency in Moldova is the Moldovan Leu. The conversion rate to the MDL approximately is 1 dollar to 17.82 MDL.

Climate

Moldova has a temperate climate, with hot summers and winters that can be quite cold. Lows go below 0 in winter and highs in summer hover around 27-30. It's mostly dry, with rainfalls in early summer and in October.

Location

Moldova is located in eastern Europe. It's a land-locked country that's shaped roughly like a semi-circle, with Romania to the west and Ukraine to the north, east and south. Its southeastern point almost touches the Black Sea.

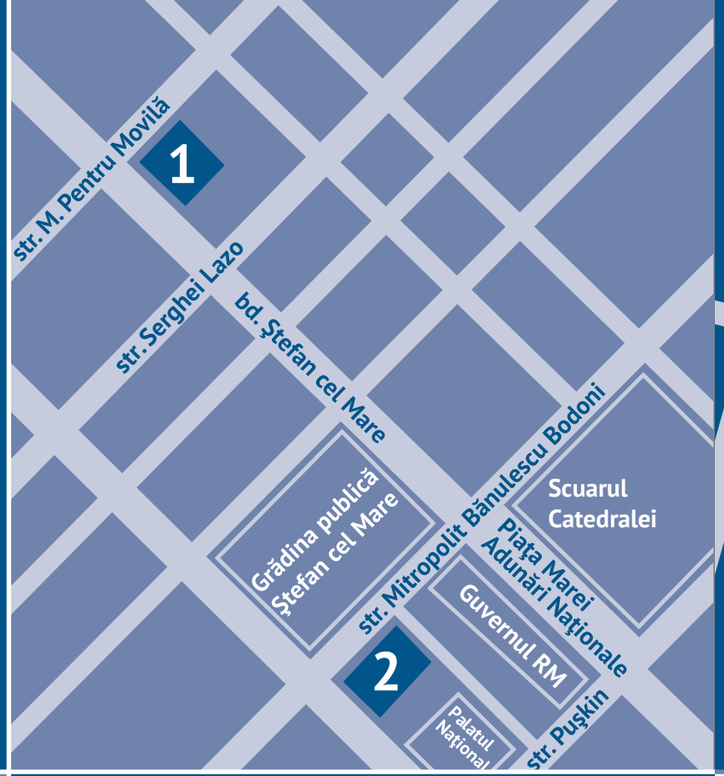
CAMPUS

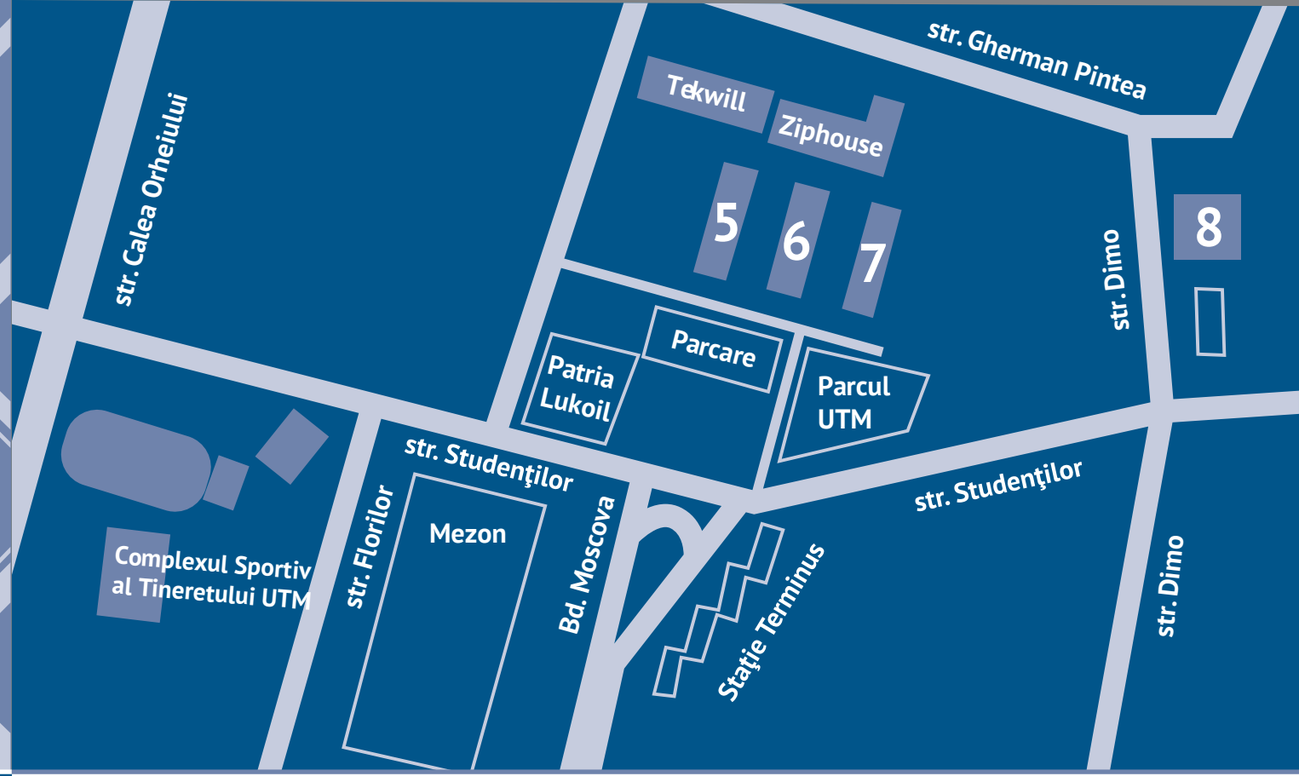
13 dormitories
accomodation is guaranteed

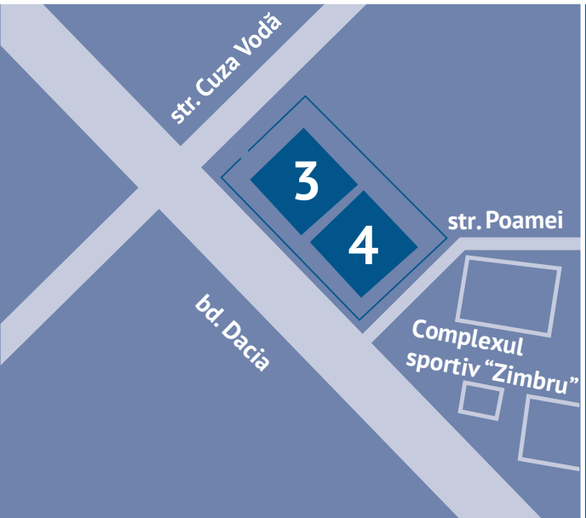
11 study buildings

1. Administrative building of TUM. Faculty of Electronics and Telecomunications (FET)
168, Stefan cel Mare si Sfant blvd., study building nr. 1

2. Faculty of Power and Electric Engineering (FPEE)
78, 31 August 1989 str., study building nr. 2







Botanica campus

3. Faculty of Urbanism and Architecture (FUA)
39, Dacia blvd., study building nr.9

4. Faculty of Civil Engineering, Geodesy and Cadastre(FCEGC).
Faculty of Economic Engineering and Business Administration (FEEBA)
39, Dacia blvd., study building nr.10

Riscani campus

5. Faculty of Computers, Informatics and Microelectronics (FCIM)
9/7, Studentilor str., study building nr.3

6. Faculty of Mechanical and Industrial Engineering, and Transportation (FMIET)
9/8, Studentilor str., study building nr.6

7. Faculty of Food Technology (FFT)
9/8, Studentilor str., study building nr.5

8. Faculty of Textiles and Poligraphy
4, Academician Sergiu Rădăuţan, study building nr.11

Study building nr.4
4/1, Florilor str.

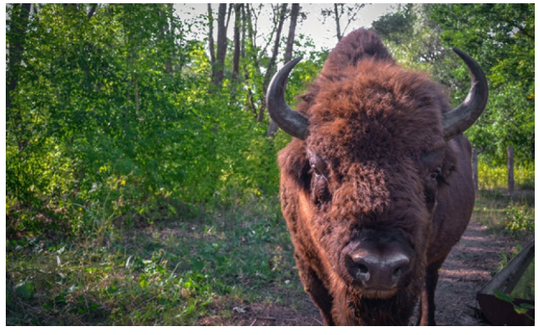
WHAT TO SEE IN MOLDOVA

MOLDOVA
discover the routes of life

Soroca Fortress

Cricova underground wine cellars

Noul-Neamts Monastery



Padurea Domneasca (Royal Forest) Reservation

Stefan cel Mare Monument

Orhei Vechi (Old Orhei) Archaeological Complex

Saharna Gorge

National Wine Day

For great ideas!

For great ideas!

TECHNICAL UNIVERSITY OF MOLDOVA

established
1964

See you soon at TUM!

/UTMoldova

168, Stefan cel Mare si Sfant blvd.
Chisinau, Republic of Moldova, MD-2004

International Relations Service

+373 22 23 54 15

international@adm.utm.md

www.utm.md