



NATIONAL UNIVERSITY OF
SCIENCE AND TECHNOLOGY
POLITEHNICA BUCHAREST



1818

POLITEHNICA

BUCHAREST



DISCOVER YOUR PASSION
DESIGN YOUR FUTURE

CONTENT

- 2 Welcome from our Rector
- 3 About us
- 7 Key Figures
- 9 Faculties
- 13 Bachelor's Programmes by Fields
- 15 Master's Programmes by Fields
- 19 Doctoral and Postdoctoral studies
- 21 Mobility Opportunities
- 25 Admission Process
- 27 Student Life

1818



Mihnea Costoiu
Rector

WELCOME FROM OUR RECTOR

Choosing a university is one of the most important decisions in a young adult's life. At POLITEHNICA Bucharest, we are here to guide and support you every step of the way.

Our diverse and welcoming community values individuality and celebrates potential. With modern teaching practices, an engaging curriculum, and a commitment to your personal and professional growth, we aim to provide you with an outstanding education and a memorable university experience. It is not just about the trending subjects, the academic excellence or research perspectives, it is also about immersing oneself in a multicultural, open and inclusive environment that can shape the future in exciting ways.

Our campus is the largest in Romania—a dynamic hub for nearly 40,000 students from diverse backgrounds. It's a space designed not just to educate but to inspire, where connections are made, ideas are exchanged, and lifelong friendships are formed. Beyond academics, we celebrate a rich student life with vibrant societies, events, and sports, creating a holistic experience that equips you with both knowledge and essential life skills.

Education today isn't just about textbooks and exams. It's about building real-world skills like emotional intelligence, social awareness, and effective communication. We believe in creating an interactive and engaging learning environment, emphasizing project-based learning and the value of providing dynamic student mobility programs.

We also know that finding a great job after graduation is a top priority. That's why we partner with businesses, industry leaders, and professionals who bring their insights and resources into our laboratories. These connections not only help you learn skills that are in demand worldwide but also open doors to exciting career opportunities you might not have considered yet. POLITEHNICA Bucharest has a constant collaboration with most major companies in our region and our students benefit from internship agreements with almost 1,000 international companies.

So, take advantage of everything our university has to offer. Be curious, be bold, and don't be afraid to step outside your comfort zone. We believe in you. We believe in a better tomorrow. Let's build it together.

ABOUT US

POLITEHNICA Bucharest is a comprehensive university with centuries of tradition. Our university campuses are positioned strategically in the most industrially developed areas of the country.

POLITEHNICA Bucharest Campus is the largest and oldest technical university in the country. Since its foundation in 1818, it has worked towards accelerating the industrial revolution of the country and becoming a scientific and cultural hub, not only for the academic community, but for the entire society.

POLITEHNICA Pitești Campus has been recognized since its foundation in 1962, as the main source of highly qualified specialists in various fields like science, arts, philology, law, economics, automotive engineering and sports. It continues to spark the interest of many students from all over the world, being one of the largest and oldest centers for teaching Romanian to foreign students.



ABOUT ROMANIA

- Romania is located in Central Europe, and is the 12th - largest country in Europe.
- Its capital and largest city is Bucharest, and other major urban areas include Iași, Cluj-Napoca, Timișoara, Constanța, Brașov, and Galați.



Historically, Romanian researchers and inventors have made notable contributions to several fields.

In the realm of aviation, Traian Vuia built the first airplane to take off under its own power while Aurel Vlaicu designed and successfully piloted some of the earliest aircrafts

Nicolae Paulescu developed an extract of the pancreas and showed that it lowers blood sugar in diabetic dogs, thus being essential in the history of insulin



Henri Coandă discovered the Coandă effect of fluidics. Victor Babeș discovered more than 50 types of bacteria

Petrache Poenaru invented the world's first fountain pen in 1827

Emil Palade received the Nobel Prize for his contributions to cell biology





ABOUT BUCHAREST

Bucharest is also known as "the Little Paris". The city's rich cultural diversity is evident in its eclectic architectural styles, which range from Baroque and Neoclassical to Art Nouveau.

Bucharest boasts numerous cultural landmarks, with the Palace of the Parliament standing out as the second-largest building in the world.

One of the subway stations serving the main university campus, POLITEHNICA, was constructed in 1983 and features exquisite marble flooring. Surprisingly, this marble is composed of ancient marine fossils dating back over 80 million years, giving it the appearance of a fossilized ocean floor.



ABOUT PITEȘTI

The capital and largest city of Argeș County, Pitești serves as a significant commercial and industrial hub. It is situated in the historical region of Muntenia.

With its rich cultural heritage and vibrant urban atmosphere, Pitești offers visitors a unique blend of modern amenities and traditional charm. Throughout the year, the city hosts numerous cultural festivals that celebrate music, art, folklore, and the diverse traditions of the region. Whether you are a history enthusiast, a nature lover, or simply seeking a taste of Romanian culture, Pitești has something to offer everyone.

Furthermore, Pitești is strategically located on the A1 highway, providing direct access to the national capital, Bucharest.



KEY FIGURES

21

FACULTIES



19

STUDENT ORGANIZATIONS



66

STUDY PROGRAMS IN FOREIGN LANGUAGES



152

BACHELOR'S DEGREE PROGRAMS



237

MASTER DEGREE PROGRAMS



90+

RESEARCH LABS



40K

STUDENTS



19

DOCTORAL SCHOOLS



1600

ACADEMIC STAFF



BUCHAREST CAMPUS



Faculty of Electrical Engineering



Faculty of Energy Engineering



Faculty of Automation and Computer Science



Faculty of Electronics, Telecommunications and Information Technology



Faculty of Medical Engineering



Faculty of Mechanical Engineering and Mechatronics



Faculty of Industrial Engineering and Robotics



Faculty of Biotechnical Systems Engineering



Faculty of Transports



Faculty of Aerospace Engineering



Faculty of Material Science and Engineering



Faculty of Chemical Engineering and Biotechnology



Faculty of Engineering in Foreign Languages



Faculty of Applied Sciences



Faculty of Entrepreneurship, Business Engineering and Management

FACULTIES

PITEȘTI CAMPUS



Faculty of Science, Physical Education and Informatics



Faculty of Mechanics and Technology



Faculty of Electronics, Communications and Computers



Faculty of Education, Social Sciences and Psychology



Faculty of Economics and Law



Faculty of Theology, Philology, History and Arts



**POLITEHNICA
BUCUREȘTI**

POLITEHNICA

Bachelor's and Master's Programmes

21
BACHELOR'S
DEGREE
PROGRAMMES

45
MASTER'S
DEGREE
PROGRAMMES

32
DOCTORAL
PROGRAMMES

Undergraduate Studies

At POLITEHNICA Bucharest, studies are organized according to the Bologna process, which allows for a synchronization of the higher education systems at European level.

The engineering study programs have a duration of 4 years - 8 semesters – and finalize with 240 ECTS.

The science study programs have a duration of 3 years - 6 semesters – and finalize with 180 ECTS.

The social sciences, humanities and arts study programs have a duration of 3 years - 6 semesters – and finalize with 180 ECTS.

The law study program has a duration of 4 years – 8 semesters and finalizes with 240 ECTS.

Master Studies

POLITEHNICA Bucharest offers numerous courses taught in English, French, and German.

The academic master studies (cycle II) are organized for a duration of 2 years - 4 semesters – and finalize with 120 ECTS.

The master of Material Science and Technology (cycle II) is organized for a duration of 1.5 years – 2 semesters – and finalizes with 90 ECTS.

The master study program in the law field (cycle II) is organized for a duration of 1 year – 2 semesters – and finalizes with 60 ECTS.

At the time of application, proof of language proficiency at level B2 must be provided by candidates for all these programmes.

The students who wish to pursue their studies in the Romanian language and don't have a language certificate could enroll in the Preparatory Year of the Romanian Language Course.



BACHELOR'S PROGRAMMES BY FIELDS

Bucharest Campus



COMPUTERS AND INFORMATION TECHNOLOGY

- Information Engineering (taught in English)
- Ingénierie de l'Information (enseigne en français)
- Internet of Things Engineering (taught in English)
- Ingénierie de l'internet des dispositifs intelligents (enseigne en français)



ELECTRONIC ENGINEERING, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY

- Applied Electronics (taught in English) - Faculty of Engineering in Foreign Languages
- Applied Electronics (taught in English) - Faculty of Electronics, Telecommunications and Information Technology
- Technologies and Telecommunication Systems (taught in English)
- Electronique appliquée (enseigne en français)
- Applied Electronics /Angewandte Elektronik (taught in German)



MECHANICAL ENGINEERING

- Mechanical Engineering (taught in English)
- Génie mécanique (enseigne en français)



CHEMICAL ENGINEERING

- Chemical Engineering (taught in English)



ENGINEERING AND MANAGEMENT

- Business Engineering and Management (taught in English)
- Engineering and Business Management / Ingenieurwesen und Business Management (taught in German)
- Industrial Engineering in Mechanical Engineering / Wirtschaftsingenieurwesen im Maschinenbau (taught in German)
- Industrial Engineering in Electrical Engineering, Electronics and Energy Technology / Wirtschaftsingenieurwesen in Elektrotechnik, Elektronik und Energietechnik (taught in German)



AEROSPACE ENGINEERING

- Air Navigation (taught in English)



INDUSTRIAL ENGINEERING

- Integrated Engineering (taught in English)
- Applied Informatics in Industrial Engineering / Angewandte Informatik im Wirtschaftsingenieurwesen (taught in German)



MECHATRONICS AND ROBOTICS

- Robotics (taught in English)



ELECTRICAL ENGINEERING

- Applied Informatics in Electrical Engineering (taught in English)

POLITEHNICA

MASTER'S PROGRAMMES BY FIELDS

Bucharest Campus



CHEMICAL ENGINEERING

- Smart Polymers and Biopolymers (taught in English)
- Innovative Technologies for Secondary Raw Materials (taught in English)
- Advanced Materials Processing and Design (taught in English)
- Biomaterials for Tissue Engineering (taught in English)

ELECTRICAL ENGINEERING

- Integrated Electrical Systems Engineering in Vehicles (taught in English)

ENERGY ENGINEERING

- Energy Engineering (taught in English)
- Power Systems Monitoring and Control (taught in English)

ELECTRONIC ENGINEERING, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY

- Advanced Microelectronics (taught in English)
- Advanced Wireless Communications (taught in English)
- Advanced Computing in Embedded Systems (taught in English)
- Electric Vehicle Propulsion and Control (taught in English)
- Intelligent Transport Systems (taught in English)

AEROSPACE ENGINEERING

- Air Transport Engineering (taught in English)

TRANSPORT ENGINEERING

- Transport Management (taught in English)
- Green, Smart and Integrated Transport and Logistics (taught in English)

COMPUTERS AND INFORMATION TECHNOLOGY

- Artificial Intelligence (taught in English)
- Parallel and Distributed Computer Systems (taught in English)
- Advanced Cybersecurity (taught in English)
- Quantum Computing (taught in English)
- Financial Computing (taught in English)
- Software Engineering (taught in English)
- Information Technologies Applied in Aviation (taught in English)
- Management, innovation et technologies des systèmes collaboratifs (enseigne en français)

SYSTEMS ENGINEERING

- Service Engineering and Management (taught in English)
- Robotics and Automation (taught in English)
- Advanced Analytics for Business (taught in English)
- Cyber Physical Systems (taught in English)

INDUSTRIAL ENGINEERING

- Industrial Engineering (taught in English)
- Conception intégrée des systèmes technologiques (enseigne en français)
- Ingénierie des systèmes industriels (taught in French)

APPLIED ENGINEERING SCIENCES

- Smart Biomaterials and Applications (taught in English)

ENGINEERING AND MANAGEMENT

- Business Administration and Engineering (taught in English)
- Management of the digital enterprises (taught in English)
- Business Engineering and Entrepreneurship (taught in English)
- Sustainable Business Excellency and Leadership / Nachhaltige Geschäftsexzellenz und Leadership in der Industrie (taught in German)
- Industrial Business Administration / Geschäfts- und Industrieverwaltung (taught in German)

SCIENCES DE LA COMMUNICATIONS

- Technologies de la traduction automatique (enseigne en français)

MECHATRONICS AND ROBOTICS

- Smart Biotechnical Systems (taught in English)

MECHANICAL ENGINEERING

- Integrated Mechanical Engineering Design (taught in English)



POLITEHNICA BUCUREȘTI

MASTER' S PROGRAMMES BY FIELDS

Pitești Campus



MANAGEMENT

- Strategic Management and Business Development (taught in English)



BUSINESS ADMINISTRATION

- Digital Transformation in Business (taught in English)



INFORMATICS

- Advanced Techniques for Information Processing (taught in English)



AUTOMOTIVE ENGINEERING

- Automotive Engineering for Sustainable Mobility (taught in English)



INDUSTRIAL ENGINEERING

- Science et technologie des matériaux (enseigne en français)



PHILOLOGY

- Translation Studies - Translations in the European Context (taught in English)
- Traductologie - traductions dans le contexte européen (enseigne en français)

DOCTORAL AND POSTDOCTORAL STUDIES

GENERAL INFORMATION

POLITEHNICA Bucharest runs a series of doctoral programmes whose specific objectives are to train researchers and form research teams to successfully address the challenges of new sciences, techniques and methodologies.

The doctoral schools offer a total of 32 doctoral programmes covering all the science and technology fields: electrical, mechanical, IT, chemical, industrial, materials, entrepreneurship, sport science and physical education, philology, biology etc. The duration of doctoral studies is 4 years, with the possibility of 1 year extension in well-justified cases.

POLITEHNICA Bucharest encourages and supports doctoral theses in Cotutelle, and has concluded over 20 such partnerships in the last years. The cotutelle addresses both international and Romanian universities and economic partners. The admission of candidates is organised annually in two sessions: July and September.

POLITEHNICA Bucharest considers that postdoctoral fellows are an integral part of academic community and contribute to its mission. It therefore offers postdoctoral fellows official status, enhances the value of their experiences, and offers services meeting their needs, and recognizes their affiliation with the University in publications, meetings and other scientific endeavors.

To initiate the process for a postdoctoral study, prospective researchers need to consult the website of the faculties to find the domains of research and mentors. Post-doc researchers benefit from a large and modern technical infrastructure in the CAMPUS (<http://campus.pub.ro>) and PRECIS (<http://precis.acs.pub.ro>) institutes.



EXPLORE THE WORLD WITH MOBILITY OPPORTUNITIES AT POLITEHNICA BUCHAREST

At POLITEHNICA Bucharest, we are dedicated to creating exceptional mobility opportunities for students and academic staff alike.

Discover all the programs we offer on our dedicated platform: mobility.upb.ro

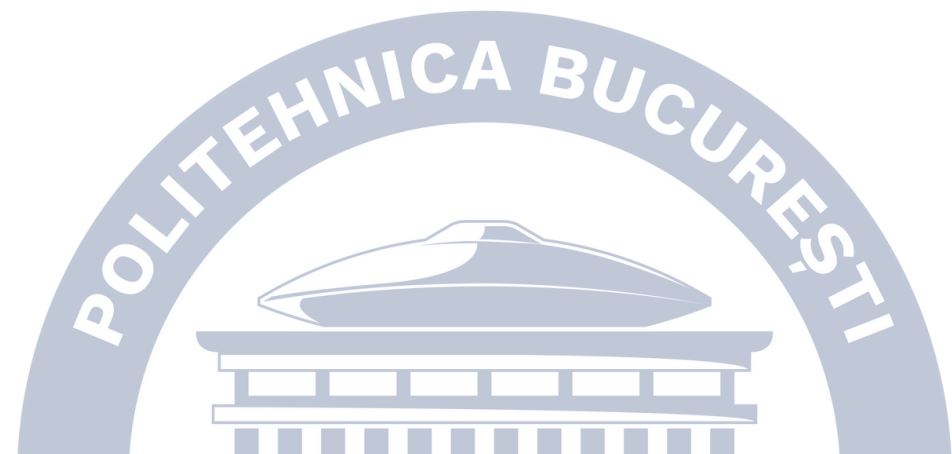
Key Mobility Programs

ERASMUS+: A gateway to international academic and cultural exchange across Europe and beyond.

DOUBLE DEGREE: Earn degrees from both POLITEHNICA Bucharest and a partner institution, enhancing your qualifications and global employability.

EELISA Alliance: Join an innovative European university initiative fostering interdisciplinary collaboration and real-world impact.

ATHENS: Participate in short intensive courses offered by leading Europe universities.



Exclusive Opportunities for Francophones

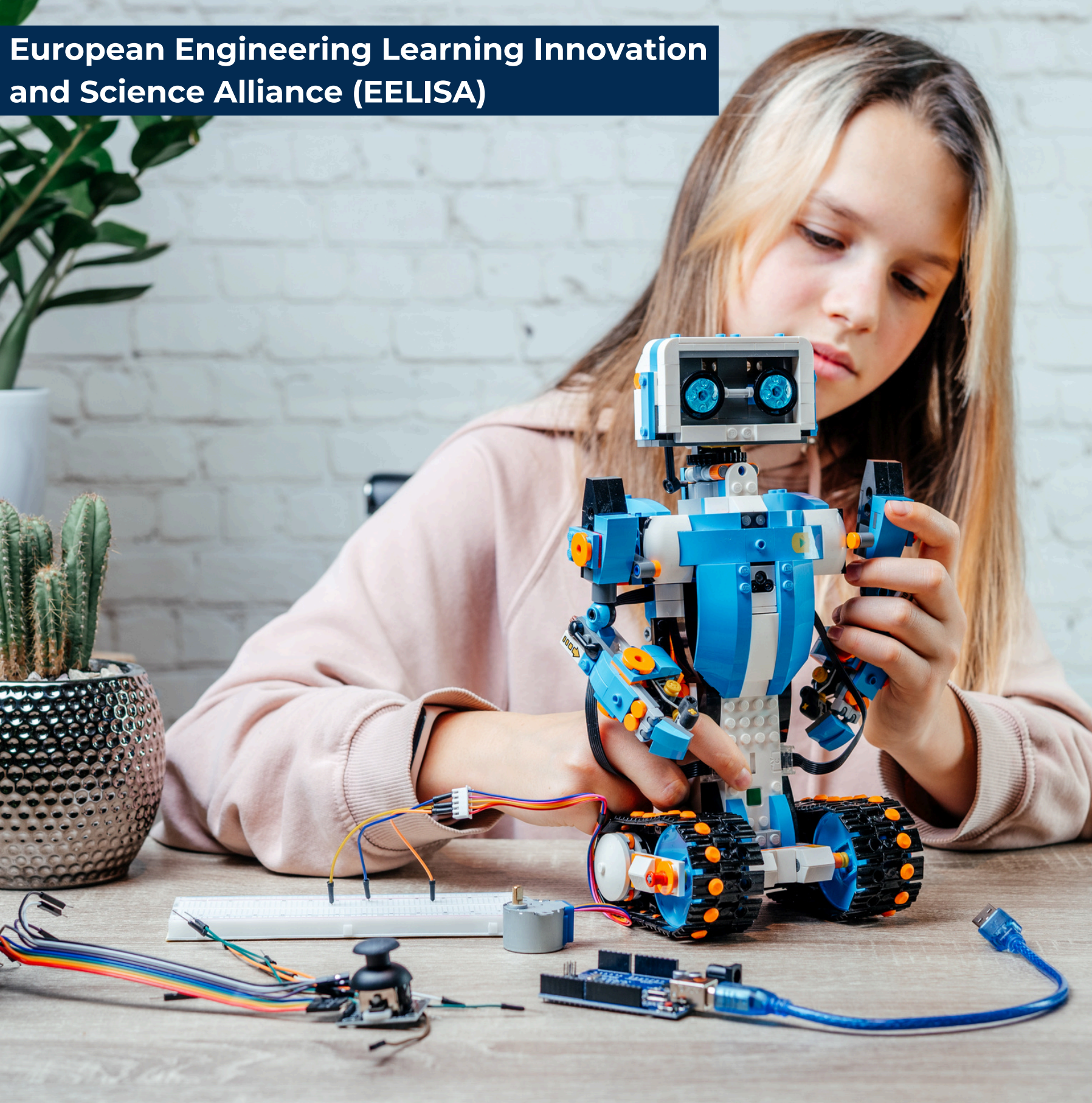
POLITEHNICA Bucharest offers 4 distinct scholarship programs designed to support your academic journey:

- **EXCELLENCE SCHOLARSHIP**
- **EUGEN IONESCU SCHOLARSHIP**
- **PETRACHE POENARU SCHOLARSHIP**
- **GEORGE DARIE SCHOLARSHIP**



[More details are available here](#)

European Engineering Learning Innovation and Science Alliance (EELISA)



About EELISA

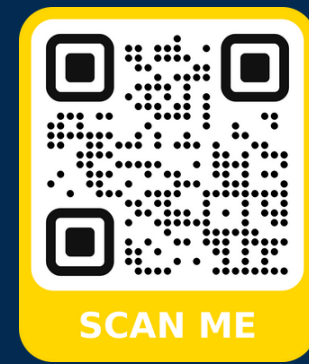
POLITEHNICA Bucharest is a member of EELISA (European Engineering Learning Innovation and Science Alliance) a consortium of ten higher education institutions (graduate engineering schools, technical and full-spectrum universities) from eight different countries in Europe with the common ambition of defining and implementing a common model of European engineer rooted in society and of bridging engineering, sciences, and humanities for inclusive, sustainable and digital societies.

Mission

The ambition of EELISA is to develop a common European engineer profile rooted in society, with increased inclusiveness, cross-disciplinarity and commitment. Such a profile includes high-level technical and scientific core competencies but also encompasses environmental, social and multicultural skills taking benefits from the European context of diversity and mobility, in order to address the new challenges of a global society (namely the green and digital transition) and the expectations of companies.

Communities

The EELISA communities are mission-driven working groups that bring together students, teachers, and researchers from all partner universities with prestigious professionals, grassroots organizations, citizens, private companies, and public institutions to find innovative solutions to real-world challenges.



FIND OUT MORE AND JOIN OUR EELISA COMMUNITIES



ALLIANCE MEMBERS

IN ASSOCIATION WITH



ADMISSION PROCESS



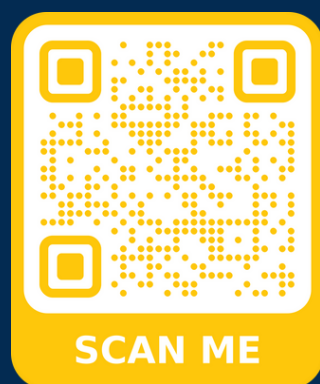
EU Students

Students from EU countries must have their study documents recognized and validated by the Romanian National Centre for the Recognition and Validation of Diplomas.

After receiving the Certificate for the Recognition of studies, the candidates will be able to enroll.

Non-EU Students

The registration process takes place online. To register and find out all the necessary information, you need to scan the QR Code below.



Apply
Non-EU Students

Tuition Fees

BUCHAREST CAMPUS

The tuition fee for Bachelor and Master is **2.430€/Academic year**, and for PhD studies **3.480€/Academic year**.

PITEȘTI CAMPUS

- **1.980€/Academic year** for the students enrolled in the economics, philological, law, and socio humanistic study programmes
- **2.430€/Academic year** for the students enrolled in the technical, science study programmes
- **3.780€/Academic year** for the students enrolled in the music and visual arts study programmes
- **6.750€/Academic year** for the students enrolled in the Theatre and Performing study programme
- PhD tuition fee - **2.160€/Academic year** (Humanities, STEM and Sports)

Romanian Language Preparatory Year

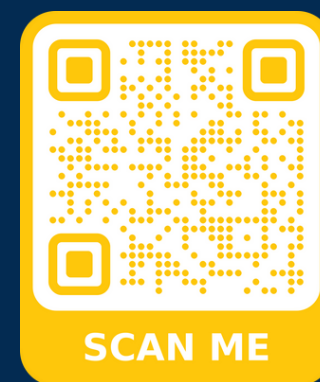
The registration process takes place online. To register and find out all the necessary information, you need to scan the QR Code below.

This program gives the international students the opportunity to learn Romanian language and explore the richness of the Romanian culture and civilization.

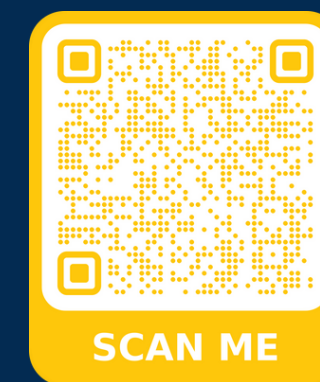
The Romanian language course intends to get you acquainted to various elements of specialized language, depending on the profile chosen (technical, economics, philological, judicial, medical), and getting used to the correct use of certain structures specific to specialized language, and increasing linguistic competence and performance.

Tuition fees:

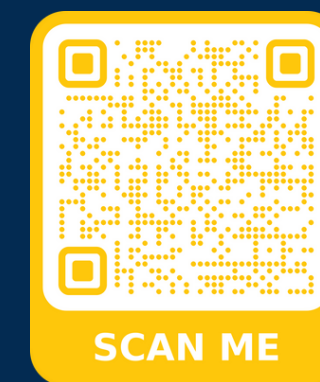
- **2.430€** for the students enrolled in the technical, sciences, mathematics and applied mathematics domains
- **1.980€** for the students enrolled in economics, philological, law, and socio humanistic study programs.



Recognition and
Validation of Diplomas



Apply EU Students
Bucharest Campus



Apply EU Students
Pitești Campus



STUDENT LIFE

FACILITIES



- **13,700 accommodation places**, distributed in 2 campuses
- **7 student restaurants**, operating during the entire academic year
- Internships, workshops, scientific communication sessions
- Career guidance

COMMUNITY



POLITEHNICA Bucharest organises lots of fun activities to make our students feel welcome and get acquainted to the Romanian vibrant way of life. Being active in a student association is perhaps the best and easiest way to gain experience in the areas you are interested in. POLITEHNICA Bucharest has more than 18 student organizations. Centre de Réussite Universitaire under the high patronage of AUF provides a whole range of activities for students.

SPORTS AND WELLNESS



Play, stay fit and be healthy! We offer a unique opportunity for students to participate in sport tournaments and special events. Our campus facilities are: gym, football field (natural grass), football, tennis, volleyball, handball, basketball fields (synthetic surface) and Fitness center.

LIBRARY



POLITEHNICA Bucharest libraries offers variety of books and academic journals. It holds important collections for research and teaching in the humanities, law, medicine science, technology, and social sciences.

We offer:

- more than 1.600.000 titles
- A Digital Library, Bibliographies and an Online Catalogue
- Access to the European Documentation Centre
- Mobile access to Scientific Databases via E-information



HEALTH



Medical assistance is provided free of charge for:

- Emergency first aid
- Free consultations
- Medical investigations (laboratory)
- Therapeutic indications (prescriptions)
- Medical referral letters

The students from the EU countries, who benefit from Erasmus mobility grants or non-EU students, have the insurance conditions stipulated in the application study documents.

CONTACT US

Follow us:

 @internationalUPB
@InternationalRelations.UPIT

 @upb1818
@politehnica_international
@official_upit

 linkedin.com/company/unstpb-
international-relations-department

 @Official_Upit

 youtube.com/@upb1818

BUCHAREST CAMPUS

Department of International Relations

 Splaiul Independentei 313
060042 Bucharest, Romania



- upb.ro
- international.upb.ro
- mfr.upb.ro/
- apply.upb.ro
- mobility.upb.ro

 • international@upb.ro
• internationalstudents@upb.ro



+40 214 029 872

PITEȘTI CAMPUS

Department of International Relations

 Str. Targu din Vale 1
110040, Pitesti, Romania



- upit.ro
- international.upit.ro
- apply.upb.ro
- mobility.upb.ro

 • internationalstudents@upit.ro



+40 348 453 108

1818