

UNIVERSITY POLITEHNICA OF BUCHAREST



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SHORT HISTORY

The largest and the oldest technical university in the country and among the most prestigious universities in Romania

With almost 200 years of existence, University POLITEHNICA of Bucharest represents one of the fundamental and prestigious institutions of Romanian higher education, being the main source for the technical specialists of Romania, as well for important scientific knowledge.



- 1818 – Gheorghe Lazăr is officially assigned to found schools of agronomic engineers near the St. Sava's Monastery;
- 1920 - King Ferdinand's degree - The POLITEHNIC School is founded;
- 1936 - The first Ph.D. in engineering, awarded by the Polytechnic School - Welton J. Crook;

SOME INFORMATION

- Excellence in education and research in Romania –with the greatest student campus; in the country, we host the largest number foreign and Romanian students;
- Most of the engineering fields are covered: Electrical, Mechanical, IT&C, Materials science, Applied chemistry etc.;
- 30.000 students enrolled in BSc, MSc, and PhD studies;
- Total budget – 392 mil EUR from which 30% Government funds
- 1.400 staff members and 1.600 didactic personnel;
- 51 research centres;
- 115 patents submitted at the State Office for Inventions and Trademarks.

UNIVERSITY POLITEHNICA OF BUCHAREST

- A SCHOOL OF EXCELLENCE

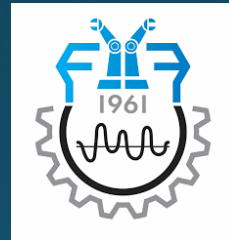
- offers undergraduate and graduate programs of study, organized in 15 faculties
- 35 study programs in foreign languages - English, French and German

FACULTY OF AUTOMATIC
CONTROL AND COMPUTER
SCIENCE



FACULTY OF APPLIED CHEMISTRY
AND SCIENCE OF MATERIALS

FACULTY OF ELECTRICAL
ENGINEERING



FACULTY OF INDUSTRIAL
ENGINEERING AND ROBOTICS

FACULTY OF POWER
ENGINEERING



FACULTY OF AEROSPACE
ENGINEERING

FACULTY OF MEDICAL
ENGINEERING



FACULTY OF MECHANICAL
ENGINEERING AND MECHATRONICS

BACHELOR OF SCIENCE PROGRAMS

in 17 major fields and more than 75 distinct specializations, with a duration of 4 Years;

MASTER OF SCIENCE PROGRAMS

in more than 180 specializations, with a duration of 2 years

PH.D. DEGREES

in 14 fields of Engineering Sciences, with a duration of 3 years.



OUR LABORATORIES

Among the over 700 research entities in Romania, the universities are a leading factor related to research policies, nationwide research objectives, and most of the time performance.

On the research side, we have tried to harness the creativity and potential of our academic community and students. Not only is our university well equipped when it comes to putting into practice what is learned in the classroom, but we're also dedicated to offering technological solutions to our private partners.



FOREIGN STUDENTS

WE BELIEVE IN THE GLOBAL COMMUNITY

- ❑ And it is the main reason to why we continuously strive to create better conditions for out international students.
- ❑ Year by year our students community becomes larger and the proportion of international students graduating more significant.
- ❑ The number of international exchanges and scholarships is one of the largest in Romania. Each student and professor can participate in a project not only in Romania, but also abroad.
- ❑ Moreover, we provide various high quality training opportunities defined by the best specialists in this university.
- ❑ The existing curriculum compatibility with great European institutions of higher technical education facilitates credit transfer and diploma recognition.
- ❑ More information on the curricula and courses could be found at:
<http://www.fiir.pub.ro/index.php/ro/studenti/mobilitati/2019-02-15-08-19-02/catalog-de-cursuri>
or <http://ing.pub.ro/en/>

RESEARCH INFRASTRUCTURE FOR PRODUCTS DEVELOPMENT, PROCESSES AND INNOVATIVE INTELLIGENT SERVICES (PRECIS) TOTAL PROJECT VALUE: **10.937.586 EUR**

- 28 new laboratories and research departments;
- 8300 m² developed built area;
- 11 international projects in which PRECIS infrastructure will be involved.



CAMPUS

Nowadays finished, the building for excellence research within the programs resulted from the university's strategy comprises 41 research laboratories, adequately equipped and intended for top fields such as:

- Micro - and nano-materials;
- Food safety;
- Electronics and telecommunications (ex. circuits, antennas);
- Computers (e.g. artificial intelligence);
- Information technology (e.g. imaging and audio expertise);
- Electrical engineering (e.g. electric cars);
- Energetics and mechanics (e.g. environment protection, alternative energy sources).



DEVELOPING OF DOCTORAL SCHOOLS

- Top-down approach for which the deciding body was set up at the university board;
- All the strategies should be accompanied by substantial funding allocation including at least money for in-going and out-going mobility of doctoral candidates, supervisors and/or running of joint doctoral programs;
- The universities rather preferred to spend more money on research infrastructure than to internationalization component of doctoral studies; and
- The structural funds allocated in the last six years from EU budget especially for sustaining doctoral programs have contributed to a real stimulation of doctoral studies and allowed universities to develop a significant internationalization component of studies.

LASERS RESEARCH - IN UNIVERSITY POLITEHNICA OF BUCHAREST

The Doctoral School of Engineering and Applications of Lasers was founded on the basis of a partnership between the University POLITEHNICA of Bucharest and a various number of research institutes from Bucharest, in order to achieve excellence in training and research and optimization of sharing human, material, and financial resources.

University POLITEHNICA of Bucharest aims to strengthen in the next 4 years the leadership in scientific research in Romania and at the same time, it aims to improve the university's position in international rankings.

RESEARCH TOPICS:

- Computational Nuclear Physics;
- Automatic Differentiation;
- Nuclear Spectroscopy;
- Modeling of Nuclear Physics Experiments;
- Optics And Detector Design For The Eli-Np Slow Positron Beam Line;

About BUCHAREST

Bucharest is the 6th largest capital in the EU; at 01 January 2016 the population was **2.106.144** habitants.

Bucharest is the greatest Romanian city with a lot of extra curricular resources .

In the period between the two World Wars, the city's elegant architecture and the sophistication of its elite earned Bucharest the nickname of "*Little Paris*".



Justice Palace



Central University library



University square



Calin-Andrei Stan | www.CalinStan.com



Basarab bridge

Triumph Arch



THANK YOU