

R&D CENTRES

Advanced Materials, Structures and Technologies (AdMaS)

AdMaS is a modern science centre and comprehensive civil engineering research institution. It is a part of the Faculty of Civil Engineering. It focuses on research and development in the area of advanced construction materials, structures and technologies, and their real-world application not only in the construction industry, but also in transportation systems and the infrastructures of cities and municipalities.

www.admas.eu

Centre for Research and Utilization of Renewable Energy

The main goal of the Centre, of the Faculty of Electrical Engineering and Communication, is to concentrate significant research and development facilities for solution of development, research and utilization issues in the areas of electrochemical sources of electric energy, hydrogen cells, electro-mechanic energy conversion, power and control electronics and sensors, and production of electric energy from renewable resources.

www.cvvoze.cz

Centre of Sensor, Information and Communication Systems (SIX)

SIX is an initiative of Faculty of Electrical Engineering and Communication at BUT. The SIX Research Centre exploits the background of the university to obtain new knowledge and to create novel solutions by its own fundamental research. New knowledge is subsequently applied to novel products and novel services of partner companies.

www.six.feec.vutbr.cz

NETME Centre

NETME, Centre of New Technologies for Mechanical Engineering, is a regional research and development centre based on successful long-term research activities of the Faculty of Mechanical Engineering at the BUT. The Centre has quickly established itself as a modern science and research centre that has been intensively engaged in basic and applied research.

www.netme.cz

Materials Research Centre (MRC)

MRC is a regional research center of the Faculty of Chemistry, and is primarily focused on applied research in the field of inorganic materials and transport systems and sensors. The main objective of MRC is to enhance cooperation between university research and application sphere in the form of contractual research cooperation on research projects and speed up the transfer of knowledge and technologies into practice.

www.materials-research.cz

R&D CENTRES OF EXCELLENCE

Central European Institute of Technology (CEITEC)

CEITEC is a joint project of six Brno universities and research institutions. Together they create Europe's leading scientific research centre specializing in the field of life sciences, advanced materials and nanotechnologies. The CEITEC BUT continues the trends of internationalization and commercial cooperation. It has started successful partnerships with prestigious foreign academic and research institutions and domestic and foreign industrial partners. This leads to an increasing number of European research projects and broader scientific collaboration.

www.ceitec.eu

IT4Innovations

IT4Innovations is a unique project of a national centre of excellent research in the field of IT. Joint project is realized by five universities and research institutions from the Czech Republic. As a part of the IT4Innovations Centre of Excellence, the Faculty's Research Centre of Information Technology (FIT) is connected to the national Supercomputer Salomon, which, as of June 2017, is ranked 78th in the TOP500 List of the world's top supercomputers. FIT BUT research focus is on multimedia information recognition and presentation; and secure and safe architectures, networks, and protocols.

www.it4i.cz

INSTITUTES

Institute of Forensic Engineering

With more than 50 years of existence, the Institute of Forensic Engineering is the only institution in the Czech Republic providing education in forensic disciplines. Students receive training in road traffic accident investigation, damage assessment for structures, risk engineering and forensic environmental risk assessment. Another field of study offered at the Institute is real property appraisal. Applicants to the institute must already hold a bachelor's or master's degree respectively, as master's and doctoral degree programmes are offered by the institute.

www.usi.vutbr.cz

Centre of Sports Activities (CESA)

When the city of Brno organises numerous sports events, BUT offers its unique modern sports facilities. Situated at the BUT Campus, the university's largest sports ground boasts an athletic stadium with a surface that meets Olympic standards, an indoor sports hall for futsal, football, basketball, and volleyball. Students can choose from a wide range of sports offered by CESA. Currently, they include more than 70 sports specialisations at different performance levels.

www.cesa.vutbr.cz



STUDIES AND EXCELLENCE THROUGH INNOVATION

FACULTIES

Faculty of Architecture

The Faculty of Architecture (FA) has housed numerous prominent architects and theorists. Thanks to them, Brno interwar architecture has become renowned world-wide, keeping its strategic position in the artistic fields until the present day. The multidisciplinary orientation of the faculty combines rigorous architectural training and practice-oriented activity in urban planning. Students are encouraged to understand the building environment in all its aspects, from the technological – through culture and aesthetics – to the environmental.

www.fa.vutbr.cz

Faculty of Business and Management

The Faculty of Business and Management (FBM) offers a broad spectrum of fields of study in every level of university education, ranging from finance to system engineering to corporate management. Within the management programme, students are trained to occupy middle and higher managerial positions in different organisations and companies. An emphasis is put on the development of strategic and conceptual thinking, as well as the ability to manage organisations, changes and relationships.

www.fa.vutbr.cz

Faculty of Chemistry

This faculty (FCH) provides a state-of-the-art base for education and research in chemistry and chemistry-related fields, including physical chemistry, bioengineering and microbiology. The Faculty of Chemistry enables its students to explore the fascinating world of this modern discipline from the bachelor's programme all the way to the Ph.D. programme. This faculty also provides an opportunity to join national and international projects by top-class researchers that are conducted in high-tech laboratories.

www.fch.vutbr.cz

Faculty of Civil Engineering

Ranked 151 of 200 in the Civil and Structural Engineering category by QS World University Rankings in 2015, the largest faculty of BUT, with 5,600 students, provides top quality training in Civil Engineering and affiliated fields such as Civil Engineering Management, Construction Technology, Geodesy and Cartography, Municipal Engineering, Water Management and Water Structures, Architecture of Building Construction and more.

www.fce.vutbr.cz

Faculty of Electrical Engineering and Communication

With more than 4,000 students, the Faculty of Electrical Engineering and Communication (FEEC) is the third largest faculty. It offers a wide range of programmes, including Power Electrical Engineering, Microelectronics and Technology, Automation and Measurement, Biomedical Engineering and many others. The majority of studies are student projects and internships conducted in high-tech laboratories. Faculty experts are strongly focused on research activities which have led to the establishment of two regional research centres CVVOZE and SIX.

www.feec.vutbr.cz

Faculty of Fine Arts

The Faculty of Fine Arts (FFA) provides creative education in painting, graphic design, sculpture, body design, performance, product design, environment, multimedia and more. It is a young and dynamic faculty whose academic staff are professionally active artists. They have been laureates of prestigious Czech or Slovak art awards. The graphic design students and teachers alike were awarded prestigious awards nationwide and worldwide.

www.ffa.vutbr.cz

Faculty of Information Technology

Located in the unique, former Cartesian monastery interconnected with the new modern building near the city centre, the Faculty of Information Technology (FIT) is one of the leading European educational and research institutions providing top quality degrees in information and computer technologies. Students are encouraged to work on their own projects in the faculty's computer centre and to join the teams pursuing national and international research in the state-of-the-art laboratories, including, but not limited to, multimedia, biometric, optic and robotic.

www.fit.vutbr.cz

Faculty of Mechanical Engineering

The second largest faculty of BUT, FME offers high quality and practice-oriented education in mechanical engineering and applied sciences. Therefore, it is easy for students to find employment and start their successful careers. Thanks to the close cooperation of the faculty with outstanding companies, such as IBM, Škoda Auto, Bosch, Honeywell, Siemens, etc., students have an opportunity to be a part of leading research projects during their studies with an excellent perspective of the labour market. Another advantage that enables an easy contact with the industry is the faculty's location in the vicinity of the Czech Technology Park.

www.fme.vutbr.cz



Brno University of Technology (BUT)

It is the largest technical/engineering university in the Czech Republic (22,000 students, 8 faculties, 3 university institutes) and one of the leading teaching and research universities in central Europe. Its programmes cover not only engineering but also fields of natural science, arts, IT and economics, with a strong interdisciplinary emphasis and close connection with the industrial sphere. With its state-of-the-art research facilities and academic excellence, BUT has a distinguished reputation among students and professionals. The university cooperates with both EU and non-EU partners (currently it has over 600 agreements) and it is engaged in various mobility programmes.

Brno University of Technology World Rankings

According to QS World University Ranking, is BUT among top #651–700 universities in the world and #19 among Emerging Europe and Central Asia. THE World University Ranking places BUT among #601–800 top universities worldwide. The U.S. News Best Global Universities also recognized BUT academic research and reputation in its recent rankings.



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