

## Profiles of VSB –TU faculties



**Faculty of Economics** offers a wide range of study programmes in economics. With a student population of 4,800, 32% of the student body, it is the University's largest faculty. The Faculty closely cooperates with regional and local municipalities contributing to the creation, development and transformation of the regions market economy. The Faculty offers MBA program cooperating with Liverpool John Moores University.

**Faculty of Civil Engineering** was founded in 1997 and is the youngest faculty of VSB-TUO. Besides common civil engineering, the fields of study consider regional specificities, such as revitalization of regions affected by mining activity, urbanization of industrial areas etc. The education in the field of urban engineering, includes regional planning, urbanisation, performance of urban economies, house building and public utilities also plays an important role.

**Faculty of Electrical Engineering and Computer Science** provides traditional education in a large number of specialized streams. The fields of study and their specializations are as follows: Electronics and Communications (Telecommunication Technology, Optoelectronics, Electronic Devices Designing, Radiocommunication Technology), Measurement and Control, Electrical Machines, Apparatus and Drives, Electrical Power Engineering and Computer Science (Computer Science, Computer Science and Applied Mathematics, the Automation of Measurement and Technical Diagnostics). An interdisciplinary approach utilizing the faculties of engineering, science, mathematics, and general studies ensures that students have a well-rounded, technically-oriented education in computer science.

**Faculty of Metallurgy and Materials Engineering** now includes environmental matters, quality assurance, management, and materials and process engineering.

**Faculty of Mechanical Engineering** is one of the first technical faculties in the Czech Republic taking steps towards the study qualifications and requirements used in the EU introduced under "structured studies", focusing on new courses such as: Robotics, CAD/CAM Applications, Nuclear Engineering, Hydraulics, etc. Courses are led by specialised faculty departments: Mechanics, Hydrodynamics and Hydraulic Equipment, Mechanics of Materials, Energy Engineering, Mining Machines, Production Machines and Design, Mechanical Technology, Working and Assembly, Machine Parts and Mechanisms, Control Systems and Instrumentation and Robotics.

**Mining-Geological Faculty educates** future experts not only in classic mining and geological sciences, but also in the branches of science that correspond to the professional direction of the Faculty. The Faculty has transformed into a faculty of polytechnic (multidisciplinary) character concentrated on creating preconditions for education of students in both classic fields of study and those newly formed.