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**MISKOLCI**  
EGYETEM  
UNIVERSITY OF MISKOLC



# The Campus of and Knowledge Community Spirit





# A word of welcome from the rector

The University of Miskolc is the leading higher education institution and academic centre in the North Hungarian region, a state university with long traditions and – I believe – with great development potentials. The history of the university can be traced back to 1735, when the world's first technical higher education institution, the Selmecbánya School of Mining and Metallurgy was established. Naturally, the institution, which in the meantime had to move from Selmecbánya to Sopron and then to Miskolc, has undergone substantial changes in almost 300 years but its philosophy has remained unchanged. Its essence was formulated by Confucius, one of the best-known philosophers of the East, in the following way: 'If you think one year ahead, sow a seed, if ten years ahead, plant a tree, and if one hundred years ahead, educate people.' As the knowledge centre in North Hungary and an internationally known and renowned universitas, the University of Miskolc considers it its special mission to contribute to the preservation of the region's intellectual heritage, to the education of generations of professionals, and – what is just as important – to retaining them here. This is an objective which we all share and accept, and for which it is worth working together!

Prof. Dr András Torma  
rector



# The history of the institution

The predecessor of the University of Miskolc was the school of mining and metallurgy (Bergschule) established by Charles III in Selmezbánya in 1735, which was the world's first higher education institution giving instruction in these fields (in Freiberg, courses were launched in 1765, in Berlin in 1770, and in St Petersburg in 1773). In 1762, Maria Theresia gave the school academy status (Bergakademie). From 1846, foresters were also trained in the institution. Later, the Selmec school served as a model for the establishment of European technical colleges. In 1794, Paris Technical University organised its laboratory trainings on the basis of the Selmec system. The world's first international technical society, in which 14 countries were represented, was founded with the contribution of Selmec professors in Szklenó, not far from Selmezbánya. Between 1848 and 1850, instruction was suspended because during the Hungarian war of independence, the students enlisted in Kossuth's army. Following the Austro-Hungarian compromise in 1867, German was replaced by Hungarian as the language of instruction, and the name of the institution was changed to Magyar Királyi Bányászati és Erdészeti Akadémia ('Royal Hungarian Academy of Mining and Forestry'). In 1920, as a result of the Trianon peace treaties, Selmec became part of Czechoslovakia so the academy had to move. It was Sopron that gave home to the homeless institution. Act No. XXIII of 1949 of the Hungarian National Assembly ordered that 'in order to enhance higher education in technology, a university of heavy industry be established in Miskolc. The university shall be divided into the faculties of mining and metallurgical engineering. Thus, in 1949, the university consisting of the Faculties of Mining and Metallurgical Engineering, moved from Sopron, and of the newly founded Faculty of Mechanical Engineering was established in Miskolc. The first day of instruction was 18 September, 1949.



The demand for a change in the educational system gave rise to the intention to complete technical faculties with ones offering programmes in social sciences. Law courses started in 1981, and an independent Faculty of Law was established in 1983. It was at this time that the objective was formulated that the university should rise to the level of universitas in the classical sense.

The next development step was the launching of a programme in economics, followed by the establishment of the relevant faculty in 1990.

As of 1 July, 1990, the name of the university was changed to University of Miskolc (Hungarian abbreviation: ME).

In 1992, the Institute of Arts was founded. It became a faculty in September 1997.

In 1997, following its separation from the college, the Miskolc department of Liszt Ferenc College of Music was integrated into the university as its Bartók Béla Music Institute.

Having renewed their programmes, the technical faculties continue their activities as Faculties of Earth Science and Engineering, Materials Science and Engineering and Mechanical Engineering and Informatics.

As a result of university integration recommended by the act on higher education, as of 1 January, 2000, Comenius Teacher Training College of Sárospatak became a college-level faculty of the University of Miskolc, then on 1 July, 2013, it left our university and joined Esterházy Károly College.

The first bachelor programme of the Institute of Healthcare was launched in 2001 to train district nurses, and in September 2004, the instruction of physiotherapists was also started here. In 2005, the institute was given faculty status therefore its present name is Faculty of Healthcare.

# Faculties and institute of the University of Miskolc



FACULTY OF EARTH SCIENCE AND ENGINEERING (1735)	<a href="http://www.mfk.uni-miskolc.hu">www.mfk.uni-miskolc.hu</a>	6	
FACULTY OF MATERIALS SCIENCE AND ENGINEERING (1735)	<a href="http://www.mak.uni-miskolc.hu">www.mak.uni-miskolc.hu</a>	8	
FACULTY OF MECHANICAL ENGINEERING AND INFORMATICS (1949)	<a href="http://www.gepesz.uni-miskolc.hu">www.gepesz.uni-miskolc.hu</a>	10	
FACULTY OF LAW (1981)	<a href="http://www.jogikar.uni-miskolc.hu">www.jogikar.uni-miskolc.hu</a>	12	
FACULTY OF ECONOMICS (1987)	<a href="http://www.gtk.uni-miskolc.hu">www.gtk.uni-miskolc.hu</a>	14	
FACULTY OF ARTS (1990)	<a href="http://www.bolcsesz.uni-miskolc.hu">www.bolcsesz.uni-miskolc.hu</a>	16	
FACULTY OF HEALTHCARE (2002)	<a href="http://www.ek.uni-miskolc.hu">www.ek.uni-miskolc.hu</a>	18	
BARTÓK BÉLA MUSIC INSTITUTE (1997)	<a href="http://www.bbzi.uni-miskolc.hu">www.bbzi.uni-miskolc.hu</a>	20	



# Faculty of Earth Science and Engineering



## **FACULTY PROGRAMMES**

The faculty offers programmes in the fields of technology and natural sciences.

## **BACHELOR PROGRAMMES**

geography, environmental engineering, earth science and engineering

## **MASTER PROGRAMMES**

mining and geotechnical engineering, processing technology, earth science and engineering, geographer, hydrogeological engineering, environmental engineering, oil engineering (in English), oil and gas engineering

## **POST-GRADUATE SPECIALIST TRAINING PROGRAMMES**

gas supply engineering, geothermal engineering, thermal water management, deep drilling engineering, oil engineering

## **DOCTORAL PROGRAMME**

Miskoviny Sámuel Doctoral School in Earth Science

In the academic fields of technology and natural science, the Faculty of Earth Science and Engineering offers its future students three bachelor (BSc) programmes, seven master (MSc) programmes, a doctoral school in the field of earth science and six post-graduate specialist training programmes.

As regards bachelor programmes, they primarily provide practice-oriented knowledge. In the three bachelor programmes, students may choose from altogether 8 specialisations. The majority of our specialisations are unique and are only offered here in the country.

Due to the interdisciplinary (both technological and scientific) character of the master programmes, there is a limited opportunity to admit students who have not graduated as earth engineers or environmental engineers, as well. From among the master programmes, in the earth engineering, hydrogeological engineering and oil and gas engineering programmes, there is also instruction in English. In addition to these, there are plans to launch other programmes in foreign languages.

Mikoviny Sámuel Doctoral School in Earth Sciences offers full-time and part-time courses, and the possibility of individual study schedule, basically building on the subject areas of the master programmes.

Research projects in the faculty are conducted in the framework of the Sustainable Natural Resource Management Excellence Centre, which consists of four research teams:

- Raw material management: research, mining, processing and utilisation of primary and secondary (wastes) raw materials.
- Energy management: biomass, geothermal energy, renewable gases, carbon dioxide storage, biomass social science.
- Geoinformation processing: geoinformatics, data and information processing, application of optimum methods
- Water supply management: innovative water management, protection of underground water supplies, hydrodynamic and transport modelling, geophysical methods of water exploration

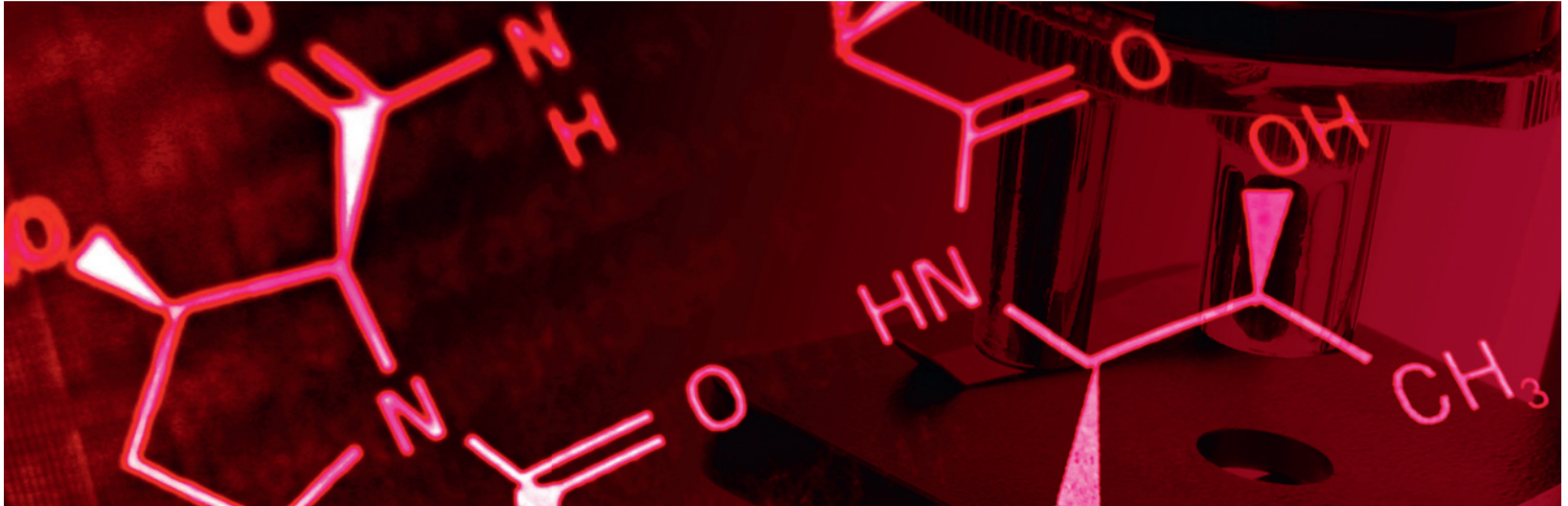
Research results are used in instruction, thus contributing to the continuous renewal of study materials. Beyond this, students are involved in the research projects in the largest numbers possible, which promotes practice-oriented training.

The Faculty of Earth Science and Engineering is successful in research project tenders in all the three directions of Research, Development and Innovation, including such national projects as TÁMOP, OTKA, TÉT, GOP and Baross as well as EU framework programmes on the international level, thus ensuring both financial stability and the possibility of future development. In July 2014, a MOL Department was established jointly by MOL and the University of Miskolc at the Faculty to train and develop new international-level generations of experts.





# Faculty of Materials Science and Engineering



## FACULTY PROGRAMMES

The faculty offers programmes in technological fields.

### BACHELOR PROGRAMME

materials engineering (in English, as well)

### MASTER PROGRAMMES

materials engineering (in English, as well), metallurgical engineering (in English, as well)

### POST-GRADUATE SPECIALIST TRAINING PROGRAMME

environmental engineering

### DOCTORAL PROGRAMME

Kerpely Antal Doctoral School in Materials Science and Technologies

The primary mission of the faculty is to cultivate sciences concerned with the structure, properties and behaviour of technological materials and the materials required to produce the former, and based on this, the applied sciences concerned with the production and processing technologies of such materials. In addition to the fields of materials science and technologies in a narrow sense, the faculty also focusses on issues of materials informatics, materials testing, automation, energy management, waste management, industrial and craft design, surface technology, environment protection and quality assurance related to materials production.

## FIELD OF TRAINING

According to national application data, the Faculty of Materials Science and Engineering of the University of Miskolc is a national leader in materials engineering bachelor programmes. Our students are offered a wide choice of specialisations during their bachelor studies. On the master level, those students who do not go over to a new field of study may take up supplementary specialisations in addition to their original one.

Bachelor (BSc) programme in materials engineering

- Heat treatment and plastic forming specialisation
- Polymer and chemical technologies specialisation
- Metal production and casting specialisation
- Heat energy and silicate technology specialisation

Master (MSc) programme in materials engineering

- Polymer engineering specialisation
- Silicate engineering specialisation
- Chemical technologies specialisation
- Energetics specialisation

Master (MSc) programme in metallurgical engineering

- Heat treatment and plastic forming specialisation
- Chemical metal technologies specialisation
- Casting specialisation
- Energetics specialisation

Supplementary specialisations for both master programmes

- Materials testing and nanotechnology supplementary specialisation
- Environment protection and waste management supplementary specialisation
- Quality control supplementary specialisation
- Archaeometallurgy supplementary specialisation

A doctoral programme is offered by Kerpely Antal Doctoral School in Materials Sciences and Technology, operating at the faculty.

#### FIELDS OF SCIENTIFIC RESEARCH

The research activities indispensable for our academic activities are conducted in the teams of the Applied Materials Science and Nanotechnology Excellence Centre.

#### APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGY EXCELLENCE CENTRE

Director: Prof. Dr Valéria Mettinger professor  
(deputy: Dr Tamás Szabó associate professor)

#### RESEARCH TEAM IN KNOWLEDGE-INTENSIVE MATERIAL PRODUCTION AND MULTIFUNCTIONAL MATERIALS

Prof. Dr Zoltán Gácsi professor  
(Dr Zsolt Veres associate professor)  
Research profile: testing of crystallisation and solid phase transformation processes in order to develop new materials. Development and examination of metal alloy systems and metal matrix composites of different types with a materials science approach. Development of solders and investigation of soldering anomalies.

#### RESEARCH TEAM IN NANOTECHNOLOGY

Prof. Dr György Kaptay professor  
(Dr Péter Baumli senior lecturer)  
Research profile: basic research in the fields of nanoscience and nanotechnology.

#### RESEARCH TEAM IN INTEGRATING MICRO- AND MACROFUNCTIONALITY INTO CHEMICAL TECHNOLOGIES

Dr János Lakatos associate professor  
(Judit Némethné dr Sóvágó associate professor)  
Research profile: development of materials promoting the efficiency of chemical technologies (sorbents, catalysers), minimisation of by-products, recycling of technological auxiliary materials.

#### RESEARCH TEAM IN EXPERIMENTAL AND DIAGNOSTIC LIFE SCIENCE

Dr Bertalan Fodor associate professor  
(Dr Zita Lovrity associate professor)  
(Research conducted by the lecturers and researchers of the Faculty of Healthcare in the field of materials science)

#### RESEARCH TEAM IN CERAMICS AND POLYMER ENGINEERING

Dr Tamás Szabó associate professor  
(Dr István Kocserha associate professor)  
Due to continuous industrial research and development, considerable expertise and development experience has been accumulated in the Institute of Ceramics and Polymer Engineering.

#### RESEARCH TEAM IN ENERGETICS AND ENERGY MANAGEMENT

Dr Tamásné Szemmelveisz associate professor  
(Dr Helga Kovács assistant lecturer)  
Research profile: development of environment-conscious and sustainable systems and technologies based on traditional (fossil) and renewable energies for the production and utilisation of energy. Communal energetics, alternative energy sources, development of burners, kilns and furnaces. Pyrolysis and gasification.



#### RESEARCH TEAM IN CHEMICAL METALLURGY, SURFACE TECHNOLOGY AND CASTING

Prof. Dr Tamás Kékesi professor  
(Prof. Dr Tamás Török professor)  
Research profile: application and development of surface treatment technologies for the purpose of surface modification and coating formation. Development of hydro-, electro- and pyrometallurgical methods for the purpose of precious metals extraction and cleaning, and waste utilisation. Development of casting technologies, casting simulation, research into foundry moulding materials, development of gravity die casting technology.



# Faculty of Mechanical Engineering and Informatics



The faculty offers programmes in technological and IT fields.

## BACHELOR PROGRAMMES

energetics engineering, business information technology, mechanical engineering, industrial design engineering, logistics engineering, mechatronics engineering, engineer and IT expert, technical manager, software designer, electrical engineering

## MASTER PROGRAMMES

energetics engineering, mechanical engineering (in CAD/CAM specialisation in English, as well), logistics engineering, mechatronics engineering, engineer and IT expert (in English, as well), electrical engineering

## POST-GRADUATE SPECIALIST TRAINING PROGRAMMES

procurement and distribution logistics, hydraulics-pneumatics, logistics IT, logistics operation, international welder, computer-aided design and manufacturing, production logistics

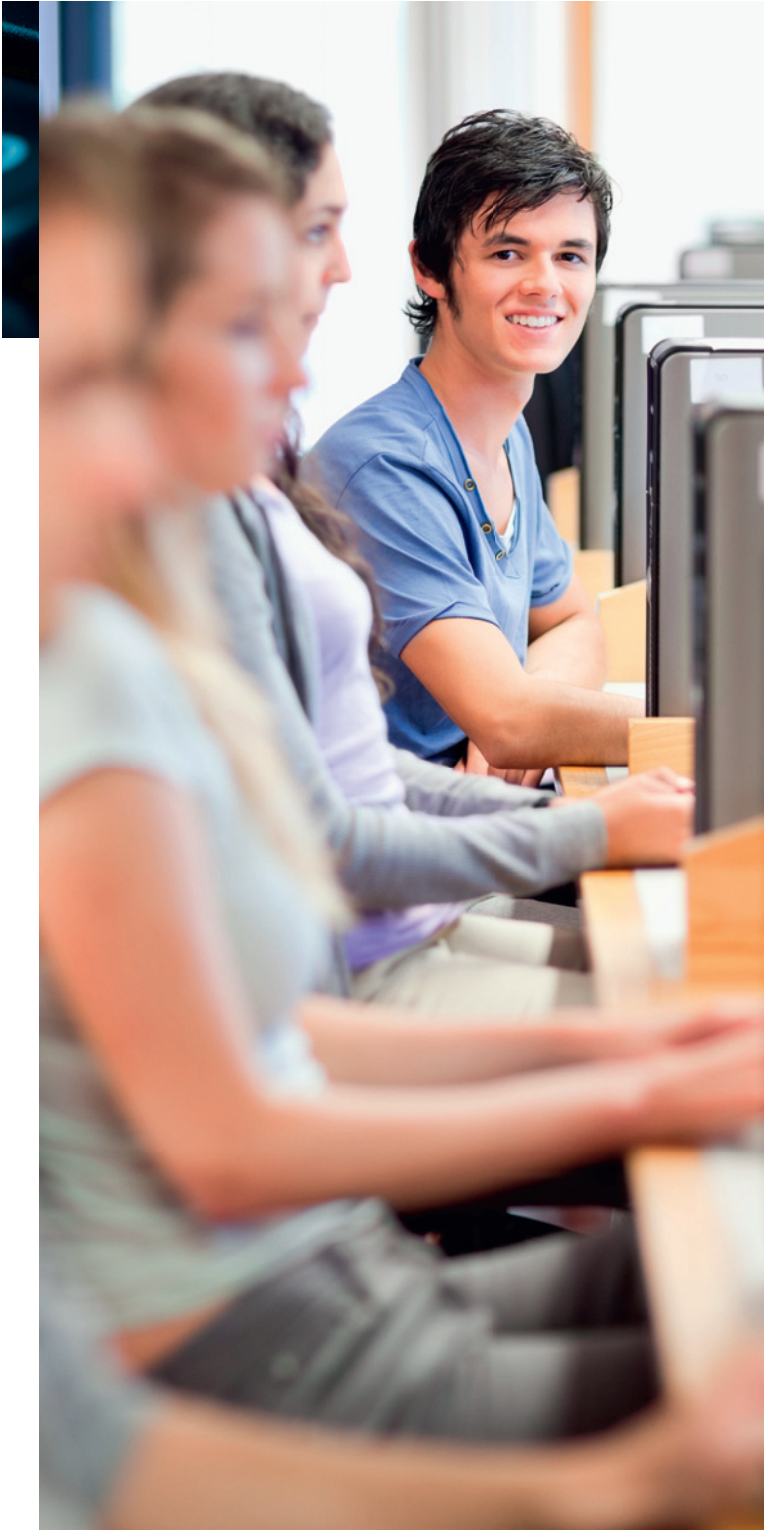
## DOCTORAL PROGRAMME

Hatvany József Doctoral School in Information Sciences  
Sályi István Doctoral School in Mechanical Sciences

During its more than six decades' development since its foundation in 1949, the Faculty of Mechanical Engineering and Informatics has become an educational and research institution of decisive importance in the field of technology and IT in the country. In addition to the cultivation of the traditional fields of mechanical engineering, informatics and electrical engineering, multidisciplinary mechatronics research projects and developments, based on the linking of the three fields, are becoming more and more important.

At the faculty, there are two excellence centres working.

- Mechatronics and Logistics Excellence Centre: its main field is research into the application of intelligent equipment for the purpose of the improvement of economic competitiveness. Research projects based on the integration of the fields of automation, informatics, logistics and mechatronics are conducted in three teams: Research and development of mechatronics systems and their elements; Research into processes and methods enhancing the efficiency of logistics systems; Enhancement of the reliability of wired and wireless communication systems.
- Innovative Mechanical Design and Technologies Excellence Centre: in it, seven research teams work with the focus on the following fields: Innovative material technologies; Research into precision finishing technologies; Research into mechanical and alternative fuels; Innovative mechanical product development; Applied mechanics research; Optimum modelling of metal structures, application of new algorithms; Development of innovative environment-friendly technologies and enhancement of energy efficiency in the chemical industry. From among the EU-funded research projects implemented at the faculty, two should definitely be mentioned: the project entitled Basic and applied research for the internet-based speech development of the hearing impaired and for the objective measurement of their progress and the project named Material developments in the auto industry: targeted basic research in the issues of ductility, heat treatment and weldability.



Basic research projects supported by OTKA ('Hungarian Scientific Research Fund') play a key role in the research activities of the Faculty. The OTKA tenders won in the previous years cover a wide professional spectrum. The following topic selection illustrates variedness very well: Application-oriented fuzzy rule interpolation methods; Numerical testing of coupled systems; Modelling and dynamic testing of the high-precision cutting of hard surfaces; Optimisation of objects and systems; Examination of the nonlinear oscillations of machine tool engines; Finite element modelling in materials science and technology. The faculty conducts a considerable number of R&D projects in a wide range of applied fields. Major topics involve the fields of materials technology, flow and heat technology, electrotechnics, machine design, manufacturing science, IT systems, logistics, mathematics, mechanics, mechatronics, machine tools and chemical machinery. The Robert Bosch Department of Mechatronics, working within the Institute of Machine Tools and Mechatronics, is a good symbol of the cooperation between industry and education.



# Faculty of Law

## **FACULTY PROGRAMMES**

The faculty offers programmes in the fields of public administration, policing, and military and social sciences.

## **PROGRAMME IN ADVANCED VOCATIONAL TRAINING**

legal

## **BACHELOR PROGRAMMES**

administrative organiser, legal administration, public administration organisation, labour and social security administration

## **MASTER PROGRAMMES**

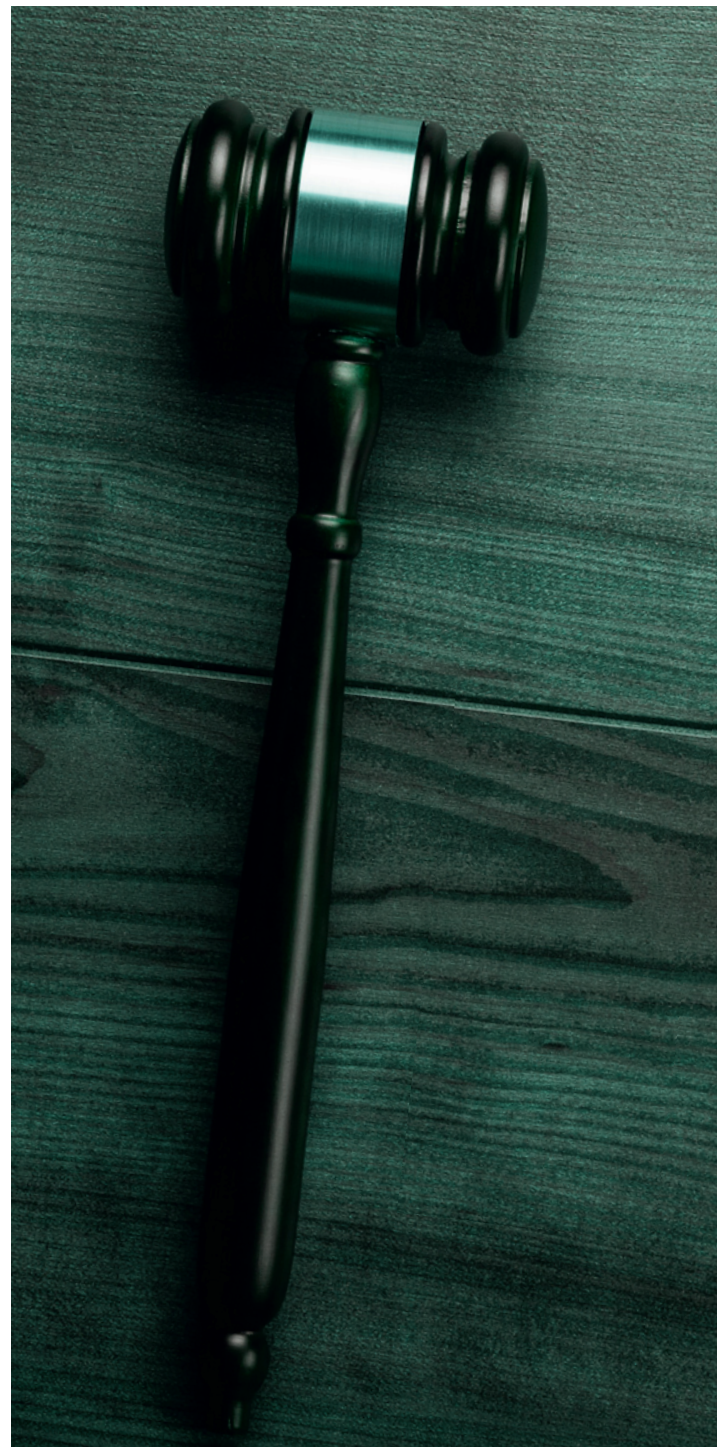
law, public administration

## **POST-GRADUATE SPECIALIST TRAINING PROGRAMMES**

data protection lawyer, data protection advisor, tax lawyer, general and legal mediator (in English, too), insurance lawyer, crime prevention coordinator, EU lawyer, employment and rehabilitation legal advisor, advisor in handicap issues, business criminal lawyer, child and youth protection lawyer, legal social advisor, real estate lawyer, (agricultural, economic, IT, technical, natural science) expert with a special diploma in law, local statute editor with a diploma in law, environmental expert with a diploma in law, doctor of medicine and health care expert with a diploma in law, commercial lawyer, traffic lawyer, advisor in labour relations, advisor in the protection of national and ethnic minorities, senior HR advisor, social security advisor, corporate and company lawyer, capital market and banking lawyer, execution lawyer, execution advisor with a diploma in law

## **DOCTORAL PROGRAMME**

Deák Ferenc Doctoral School in Law and Administration





The participation of the Faculty's lecturers in projects promoting their research activities is realised at several levels and through several channels, partly within the framework of research tenders won at the university level, partly within the framework of team and partly within that of individual tender applications. The Faculty of Law conducts intensive research activities with the involvement of EU and national funding and covering every field of the discipline. The research activities of the institutes, departments and academics attain a high level as regards international, EU or national research communities, as well. Research projects are implemented in four permanent research centres with the use of faculty funding:

- Legal Advising Centre,
- Research Centre for the Law of Natural and Human Resources
- Interdisciplinary Research Centre for Alternative Conflict Management and Dispute Settling
- Research Centre for European and International Criminal Law

The participation of the Faculty and its academics in research projects can be illustrated with the following examples: international research projects (e.g. Crime Repression Costs in Context project, MPEAP Master Professionnel Européen

d'Administration – a project to develop a joint European master programme in public administration); university level projects (e.g. Research University Project, 'Virtual companies, E-government, information and communication technologies'); projects implemented within the Faculty [e.g. Tett ('Action') project]; in order to promote individual research, several of our academics are supported by individual research grants (e.g. Bólyai János research grant of the Hungarian Academy of Sciences, Magyary Zoltán postdoctoral grant, Szentágotai János grant for experienced researchers, Deák Ferenc pre-doctoral grant, research grant of Max Planck Institut, research grant of Alexander v. Humboldt Foundation, etc.) We have contacts with a variety of research institutes (e.g. Institut für Ostrecht im Wissenschaftszentrum Ost- und Südosteuropa, Institut für Arbeitsrecht und Arbeitsbeziehungen in der Europäischen Union, International Juvenile Justice Observatory, Max Planck Institut für ausländisches und internationales). The results of the research projects are utilised in instruction, for example in the writing of study materials or through providing access to the publications acquired in the faculty/institutional libraries.



# Faculty of Economics



## FACULTY PROGRAMMES

The faculty offers programmes in the field of economic sciences.

### PROGRAMMES IN ADVANCED VOCATIONAL TRAINING

business administration and management, trade and marketing, international business management, finance and accounting, tourism and catering

### BACHELOR PROGRAMMES

human resources, business administration and management, trade and marketing, international business management, finance and accounting, tourism and catering

### MASTER PROGRAMMES

logistics management, marketing, Master of Business Administration (in English, as well), international economy and business management, regional and environmental economics, accounting, business development, controlling and organisation

### POST-GRADUATE SPECIALIST TRAINING PROGRAMMES

European studies, pharmacist-economist, development of local employment, human resources manager, lawyer-economist, cluster management, engineer-economist, medical doctor-economist, management of community and regional development

### DOCTORAL PROGRAMME

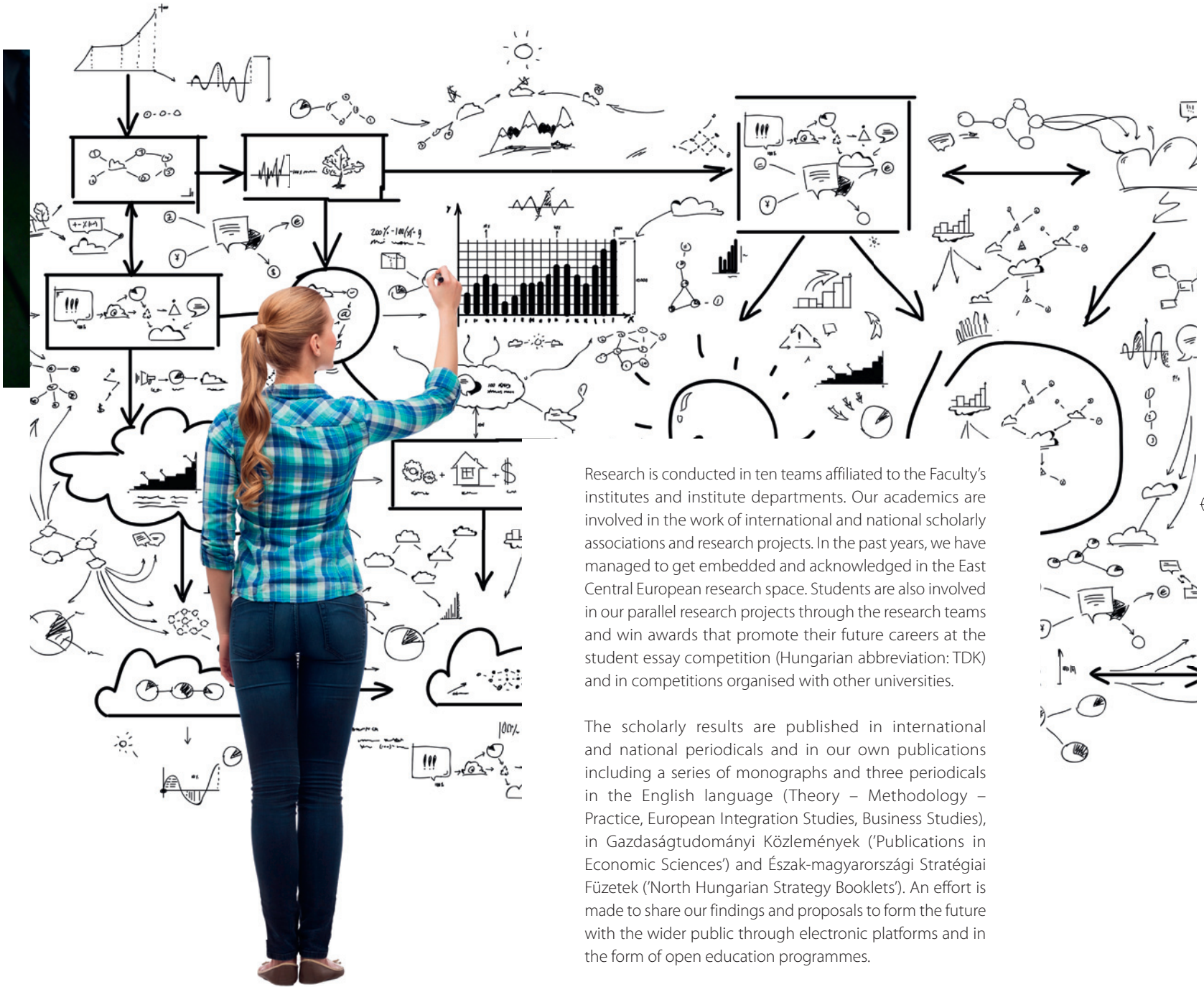
Doctoral School in the Theory and Practice of Enterprises

*Internationally acknowledged expertise in business and social enterprises in the service of sustainable development in the region*

In addition to the theoretical and practical expertise required for the launching and successful operation of business and social enterprises, the research and academic profile of the Faculty of Economics includes the role of the economy in global, regional and local development processes and its interaction with them, and economic policy as well as development issues.

Our research topics are connected to the subjects taught and help with getting a deeper understanding of and continuously updating the study material, are in line with international academic trends, build on clear theoretical and reliable methodological principles, draw on the results accumulated about the operations of industrial companies during the 27 years' history of the Faculty, yield results that can be utilised in business practice, and are aligned with research projects carried out at other faculties of the university.

Key fields include the investigation of the corporate, economic and economic policy aspects of technology management (which is of strategic importance in the host region), knowledge economy, financing and business communication environment, quality control and sustainable development, the study of the general and regional issues of regional and social economy, the analysis of the effects of European integration, the development of economic models and the solution of the theoretical and methodological problems of organisation, planning and development.



Research is conducted in ten teams affiliated to the Faculty's institutes and institute departments. Our academics are involved in the work of international and national scholarly associations and research projects. In the past years, we have managed to get embedded and acknowledged in the East Central European research space. Students are also involved in our parallel research projects through the research teams and win awards that promote their future careers at the student essay competition (Hungarian abbreviation: TDK) and in competitions organised with other universities.

The scholarly results are published in international and national periodicals and in our own publications including a series of monographs and three periodicals in the English language (Theory – Methodology – Practice, European Integration Studies, Business Studies), in *Gazdaságtudományi Közlemények* ('Publications in Economic Sciences') and *Észak-magyarországi Stratégiai Füzetek* ('North Hungarian Strategy Booklets'). An effort is made to share our findings and proposals to form the future with the wider public through electronic platforms and in the form of open education programmes.



# Faculty of Arts

## FACULTY PROGRAMMES

The faculty offers programmes in the fields of the humanities, education and social sciences.

## PROGRAMMES IN ADVANCED VOCATIONAL TRAINING

social work and work with youth

## BACHELOR PROGRAMMES

English studies, German studies, cultural anthropology, Hungarian studies, education, political science, free liberal arts, social work, sociology, history

## MASTER PROGRAMMES

applied linguistics, philosophy, translation and interpreting, cultural anthropology, Hungarian language and literature, political science, sociology, history

## MASTER PROGRAMMES IN TEACHER TRAINING

teacher of English, teacher of the subjects related to the topic area 'Man and Society', teacher of ethics, teacher of philosophy, teacher of geography, teacher of Hungarian, engineer-teacher (materials science), teacher of German, teacher of history

## INTEGRATED TEACHER TRAINING PROGRAMMES

teacher of the English language and culture - teacher of moral philosophy and ethics, teacher of the English language and culture – teacher of geography, teacher of the English language and culture – teacher of Hungarian, teacher of the English language and culture - teacher of the German language and culture, teacher of the English language and

culture – teacher of history and civic education, teacher of geography - teacher of moral philosophy and ethics, teacher of geography – teacher of Hungarian, teacher of geography - teacher of the German language and culture, teacher of geography – teacher of history and civic education, teacher of Hungarian – teacher of moral philosophy and ethics, teacher of Hungarian – teacher of the German language and culture, teacher of Hungarian - teacher of history and civic education, teacher of the German language and culture - teacher of moral philosophy and ethics, teacher of the German language and culture – teacher of history and civic education, teacher of history and civic education – teacher of moral philosophy and ethics

## POST-GRADUATE SPECIALIST TRAINING PROGRAMMES

teacher of Business English, psycho-patron in child protection, advisor in intercultural education, industrial heritage, linguistics and didactics of sign language, sign language mentor, editor for publishers, advisor in equal opportunity for minorities, special examination for senior positions in public education and in educational science, public policy organiser, creative writing, teacher of Business German, special examination in educational science, political management, protection and utilisation of archeological and cultural heritage, Roma social studies, social manager, translator in social sciences and economics, journalism

## DOCTORAL PROGRAMME

Doctoral School in Literary Science



The Faculty of Arts is the youngest faculty in the country offering programmes in the humanities and social sciences. The university became a proper universitas with its foundation in 1992. The establishment of the Faculty was justified by the shortage of such experts in the North Hungarian region. At present, the Faculty runs 11 bachelor programmes, 17 master programmes, one advanced vocational training programme, 18 post-graduate specialist training programmes and one doctoral school. The Faculty's academic and research portfolio relies on three pillars: classical humanities, social sciences and educational science. Major fields cultivated by the Faculty's institutes include: Hungarian linguistics, history of Hungarian and world literature (in specific periods and according to the specifics of the discipline, e.g. history of old Hungarian literature, the age of the Enlightenment, 20th century literature, etc.), political science, historical science (in specific periods and according to the specifics of the discipline, e.g. social history, military history, etc.), archeology, sociology, applied linguistics, history of the English language, English linguistics, history of English literature, English literary science, history of the German language, German linguistics, history of German literature, German literary science, translation theory, sociolinguistics, cultural anthropology, visual anthropology, educational science, educational theory, philosophy, history of philosophy, etc.

The specification of research work is indicated by the fact that in most of the institutes, independent departments and research teams came into being to do research into disciplinary issues. In the Institute of History, such are the research teams for prehistory, military history, social history (Research Team for Social History), and the Gulag research team, in the Institute of Modern Philology, the research teams for gender studies, metainformation and special languages and terminology, in the Institute of Sociology, the Roma research team, etc. In the Institute of Hungarian Linguistics and Literature, and affiliated to the Doctoral School for Literary Science, there is a Szabó Lőrinc research team.

Ever since its foundation, the Faculty of Arts has been showing special sensitivity for the social problems of the region. Therefore, research projects contributing to regional and social catching up play a key role in the research portfolio.



Without being exhaustive

Regional Roma (gipsy) research projects: general research directions related to catching up and finding solutions to the social problems of the region:

- Research in cultural and visual anthropology: primarily, research into ways of life and subcultures and the visual presentation of research results: making photos and films, establishing and continuously enlarging an oral history archive through recording interviews with the representatives of Roma culture
- Sociological research projects: including research into social conflicts, family sociology, the sociology of deviations, the labour market, successful Roma careers, and research into social and family policy.
- Historical research projects: research into the history of gypsies in Hungary and more widely, in the whole of the Carpathian basin, collection, processing and publication of historical sources about gypsies from the feudal period to the 20th century.
- Research in educational science and methodology: the investigation of how successful or unsuccessful the educational methods introduced so far have proved and contribution to the finding of proper methods tailored to the specific environment, target group and teaching staff. Raising parents' awareness of the educational programmes in order to make their children more successful in school.

Recently, the fifth excellence centre has been established at the university under the name Social, Economic and Healthcare Catching Up which has been joined by the Faculty of Arts in addition to the Faculties of Economics, Law and Healthcare.



# Faculty of Healthcare



## FACULTY PROGRAMMES

The faculty offers programmes in the fields of medicine and health science.

## BACHELOR PROGRAMMES

nursing and medical attendance, healthcare and prevention, healthcare organiser, medical laboratory and imaging diagnostic analyst

## POST-GRADUATE SPECIALIST TRAINING PROGRAMMES

physiotherapist in child rehabilitation, district nurse for youth and health protection, clinical research assistant

At the University of Miskolc, higher education in healthcare has a ten year tradition but in Miskolc, it has been present for about a quarter of a century. It was an extremely important and significant step in the history of the programmes that in 2005, the Institute of Healthcare was given faculty status due to its continuous development. As a result of organisational changes and structural extensions, the name College-level Faculty of Healthcare was changed to Faculty of Healthcare, thus adapting to the philosophy of the shift to the Bologna system in higher education.

### RESEARCH FIELDS AT THE FACULTY

In the past few years, the experimental research direction and the instruction of theoretical subjects of the Faculty have undergone considerable development. We are convinced that the integration of exploratory and applied life sciences and the close connection between research and instruction contribute to providing up-to-date knowledge to our students. Faculty research projects are conducted in the fields of theoretical and applied health science. The most important research fields of the Faculty are the following:

#### EXPERIMENTAL AND LIFE SCIENCE RESEARCH

Diabetes: Physical fitness and health-related life quality are measured for children and adolescents suffering from Type 1 diabetes.

Research in clinical pharmacology: the Clinical Diagnostic Laboratory offers the opportunity to do ultrasound diagnostic consulting, medical screening tests for managers, health condition surveys and physiological stress tests.

#### RESEARCH IN RECREATION AND HUMAN PHYSIOLOGY

Recreation Laboratory: its facilities give the opportunity for both academics and students to do research and participate continuously in scientific work, thus giving assistance in producing high-level theses and scientific essays.

#### HEALTH BEHAVIOUR

The objective of the research is to survey university students' health behaviour and way of life, and elaborate programmes that contribute to the development of health-conscious behaviour:

- 'Student Life Cohort in Europe' (SLICE) project
- 'Alcohol policy in the universities' project
- research projects of the Preventive Health Science Research Team

#### RESEARCH IN CAREER SOCIALISATION AND VALUE EXPLORATION

Changes in the career identity of students entering healthcare programmes are continuously detected with internationally accepted standard questionnaires about values in a longitudinal investigation.

#### RESEARCH IN NANOBIO TECHNOLOGY

In order to extend basic research, in 2008, the Faculty established the Nanotechnological Research Laboratory. Research focus is the investigation of the impact of nanomaterials on the human organism, i.e. nanotoxicology.





# Bartók Béla Music Institute

## FACULTY PROGRAMMES

The faculty offers programmes in the fields of arts and teacher training.

## BACHELOR PROGRAMMES

creative art and musicology, performing art

## MASTER PROGRAMMES IN TEACHER TRAINING

teacher of music

## INTEGRATED TEACHER TRAINING PROGRAMMES

teacher of music, teacher of music (minor)

## POST-GRADUATE SPECIALIST TRAINING PROGRAMMES

creative art and musicology bachelor programme – musicology specialisation, performing art – classical flute specialisation, performing art – classical guitar specialisation, performing art – classical saxophone specialisation, performing art – classical piano specialisation

In addition to teaching and learning, the instructors and students of Bartók Béla Music Institute are primarily engaged in artistic and not in scholarly activities. Although instructors and students are less focussed on scholarly activities, some instructors of the Institute do serious scholarly and/or research work (publication of lectures and articles on musicology; editing the works of composers) the content of which they occasionally share with students in the seminars.

It can also be added that in recent years, to our pleasure, students have been showing increasing interest in taking part in the students' essay competition (TDK). In the last national competition, several of them won awards.





As regards the performing activities related to instruction, mention must be made of the master courses organised by the instructors of the Institute, where renowned Hungarian and foreign performing artists teach our students giving them new ideas, showing them new approaches and opening up new perspectives for them. Here, the long and thorough process of preparation for different internal, national and international competitions should also be mentioned, which, in the ideal case of competing successfully and getting awards may result in concert invitations (while, of course, the participation in the competition can itself be regarded to be a very important concert where there is a lot at stake).

In general, some of the institute's specialisations organise thematic concerts once a year, the programme of which usually comprises a long cyclic work by an important composer. In these concerts, the instructors teaching major subjects usually play together with the students. Some courses (e.g. the subject named String Orchestra) provide an opportunity for instructors and students to make music together, where under the leadership and with the instructions of the senior instructor, participants work out and learn musical works together, and they later usually perform these in public concerts.

Similarly to this, performing at different university and city events plays an even more prominent role in the life of the Institute. It is usually the large ensembles of the Institute, primarily the symphonic orchestra and the chorus that take part in them (the women's chorus, the string orchestra, the cello ensemble and the brass band are also often involved in such events). In addition to these occasions, students also perform in the 'teaching line' concerts usually organised by the instructors several times every year. These partly serve the purpose of preparing for the examinations in major subjects. Occasionally, the Institute's instructors give chamber music concerts alone or together with their colleagues (these are the instructor concerts).

Beyond these, students have the opportunity to show their skills and knowledge in a large number of special events: at the degree-awarding ceremonies, at the opening of exhibitions (which is a good example of connections with other fields of art) and in events of a special thematic character (e.g. at the opening of the Confucius Institute at the university, for which the Music Institute was asked to present music related to China). Naturally, these occasions are all very useful as both instructors and students may learn a lot about preparation from the quality of these performances.



# Confucius Institute at the University of Miskolc



On 24 August, 2013, Hungary's third Confucius Institute was opened at the University of Miskolc. This key scene for education in Chinese culture, art and language opens up new opportunities for both university and secondary school students in the city and in the region, and may serve as a model for Chinese investors, as well.

It is a well-known fact that by now, Chinese economy has become a decisive factor, and its dynamic development is highly appreciated all over the world. In this development, in addition to modern technologies and business control methods, Chinese culture also plays a determining role. Besides other great thinkers, Confucius, the philosopher, who laid the foundation of the 'school of the literate', played a great role in the formation of Chinese culture.

The world's large universities make an effort to get their students acquainted with Chinese history, culture and economics. In every continent, there is an increasing number of students who study the Chinese language. To meet these demands, there are, at present, more than 350 Confucius institutes in operation all over the world, and the applications of almost five thousand universities to establish further institutions are awaiting assessment in the Confucius Centre in Beijing.

There is a similar situation in Hungary, too, where there are already two Confucius Institutes working – one at the Eötvös Loránd University of Arts and Sciences (ELTE), and another one at Szeged University of Arts and Sciences. Chinese companies moving into the North Hungarian region, particularly BorsodChem Zrt in Kazincbarcika, as well as some North and East Hungarian companies having Chinese industrial connections have been urging the University of Miskolc for years to provide courses in Chinese culture, art and language.

In response, the University of Miskolc launched courses in the Chinese language and culture for its own and the city's secondary school students and the employees of BorsodChem Wanhua in February 2012. In the beginning, these courses were run by the outreach centre of the Confucius Institute at ELTE, and then on 25 April, 2013, the Centre of the Confucius Institutes, Hanban agreed to establish Hungary's third Confucius Institute in Miskolc. The contract was signed in a ceremony in the Parliament on 23 August, 2013.

The Chinese partner is Beijing University of Chemistry ('BUC'), in cooperation with which the University of Miskolc could open academic year 2013/14 with its own Confucius Institute.

- With the support of the Confucius Institute to be established at the University of Miskolc, Hanban may extend its area of operations and may integrate into its scope of activities technical higher education with an industrial background, conducted in close cooperation between the Chinese and Hungarian parties.
- The results of the University of Miskolc achieved so far show that the courses run with the participation of about 300 students have been successful as with their knowledge of Chinese, these students are more competitive in the labour market. It is the common interest of the university and the Wanhua BorsodChem Group to improve production culture, to solve quality assurance and enhance productivity in the Kazincbarcika plant within the Group, to strategically develop the company on a scientific basis and to jointly implement scientific research in the fields matching the company profile with the intellectual potential of the university (lecturers + students).
- The Confucius Institute opening at the University of Miskolc may provide such a model for Chinese investors which may have strategic importance for the national economy due to the fact that it creates jobs, and may contribute to the achievement of regional and national economic objectives, as well.

In the future, the Confucius Institute at the University of Miskolc will provide language courses and cultural programmes for the students of the university, secondary school students in the region and everybody interested in the Chinese language and culture.





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