

YBL MIKLÓS FACULTY OF ARCHITECTURE AND CIVIL ENGINEERING

YBL

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In 2008 the Faculty of Architecture and Civil Engineering, which bears the name of Miklós Ybl, the most famous Hungarian architect of the 19th century, began its 130th academic year. For more than a century, the spirit of the school has been determined by the principles of the founders and its excellent teachers, and this time-honoured institution trains students as architects, civil engineers and construction managers. The high standards of teaching are confirmed by the fact that for decades far more students have been applying for a place at our university than can be accepted, and because of this fact only students with excellent qualifications can take up their studies here.

MASTERING THE NEW CHALLENGES

Lifelong Learning

An important step in developing the training within our faculty has been the creation and introduction of the credit system, which now meets the requirements of the 21st century. Meeting the requirements of the integrated European Higher Education system has been an important challenge to our faculty, as well as the implementation of an educational system consisting of the three stages (Bachelor's, Master's and PhD) which are specified by the Declaration of Bologna. Educational reorientation based on the "Bologna System" has had a positive impact. One such change has been the extension of courses from six to eight semesters. The Hungarian Accreditation Board has accepted the documents submitted for establishing these three Bachelor's programs: Civil Engineering, Architecture, Construction Management.

After the accreditation of our Bachelor's programs and having received permission to establish them at Ybl, the courses were started and we are now taking steps to





establish the Master's programs. We are planning to go ahead with the Master's programs either independently or by taking advantage of the

opportunities offered by integration on a medium-term basis with other faculties. Work on the Master's degree courses for architectural designers is already in progress. Furthermore we are planning to establish a Master's program for Fire Safety and Disaster Management, as well as a course of study for master builders. In addition, using the potential provided by the university, one of our long-term plans is to launch a PhD program within the Ybl Miklós Faculty of Engineering. Since we have endeavoured to preserve our traditions and intellectual values, we believe that we are in an excellent position to do this. The demands of lifelong learning and a quickly-changing world make it essential for engineers who qualified some time back to update both their practical and theoretical knowledge.

At our faculty, professional training is available in:

• **Public Utilities Maintenance** • **Environmental Management** • **Master Building** • **Technical Supervision** • **Fire Safety**

Academic flexibility in regards to study, teaching and scientific research, coupled with a desire for excellence, are of prime importance to us and our students.

The increasing number of students, together with very positive feedback from the industry and from market research, confirm the fact that our graduate engineers are in high demand both in Hungary and abroad.

BSc in Civil Engineering

Fields of study

- Structural Engineering: Geotechnics, Building Structure, Fire Safety and Disaster Management
- Infrastructure Engineering : Urban Engineering

Educational objectives

To equip civil engineers with practical abilities, to be able to undertake design and construction work, as well as consultancy work within local government offices.

A further aim of our training is to enable graduates to continue their studies to obtain MSc and PhD degrees.

Career opportunities

Geotechnics and Structural Engineering

- building supervisor; engineering entrepreneur; technical specialist; manager within a public utilities company, civil engineering company, structural production plant
- assistant designer, designer in a design office, senior designer after sufficient practice
- self-employed contractor, entrepreneur
- engineer within a local government planning and authorisation department
- teacher in higher or vocational education



Fire Safety and Disaster Management

- technical officer in a disaster prevention organization
- technical officer in a fire-prevention and fire-fighting department
- fire safety expert in an insurance company, engineering office and various other organizations
- freelance fire safety expert, designer and contractor

Urban engineering

- in design offices, in public utilities companies, and various other organizations
- in local government offices, participating in the planning of settlement infrastructure
- in local government planning and authorisation departments, undertaking environmentally friendly projects
- managerial and engineering work within local government departments
- managerial and engineering work within town and community administration offices
- assistant designer, designer in urban design offices
- in higher and vocational education

BSc in Architectural engineering

Field of studies

- Architectural Design
- Building Construction
- Construction-Contracting-organization
- Urban Planning

Educational objectives

The training of our full-time architects is based on a course of study lasting eight semesters. We feel confident that graduates with a BSc from Ybl will be able to find employment in any of the fields they have studied anywhere in the European Union.

It is an important educational objective that all our students should possess creative abilities and have acquired considerable practical knowledge. If so desired, they should be able to continue their studies to MSc degree level.

Career opportunities

Market research has shown that graduate students from Ybl are in high demand in the fields of architectural design and implementation, contracting and managerial work, and can easily find employment within local government planning and authorisation departments. In addition, they have an excellent reputation in commercial and educational institutions.

Szent István University

Ybl Miklós Faculty of Architecture and Civil Engineering



Bsc in Construction Management

Field of studies

- Architecture

Educational objectives

We train our students to be able to:

- make investments in the construction industry, and be involved in property development, planning and implementation at every stage of the project
- organise and manage the work of everyone employed on the construction project (architectural designers, engineers, lawyers, financial experts etc)
- operate finalised projects in a financially efficient way
- set up and manage a private enterprise
- negotiate competently in a foreign language

Career opportunities

- investment preparation and administrative work within companies dealing with property development and marketing
- preliminary work and production management within construction companies
- preliminary technical work and project management within companies dealing with property financing

