

# HYDRAULIC ENGINEERING

Degree	Master of Engineering Sciences
Duration, study form	2 years (4 semesters), full time studies
Requirements	<ul style="list-style-type: none"><li>• University Bachelor's degree diploma (or higher) and its supplement (Transcript of Records or Mark Sheet)</li><li>• priority is given to those from Hydraulic Engineering, Civil Engineering, Environmental Engineering</li><li>• additional courses might be required</li><li>• motivation letter (included in the Application Form)</li><li>• proficiency in English (CEFR - B2 or equivalent/ TOEFL 87 iBT / 534 PBT, IELTS 5.5)</li></ul>
Application deadline	July 10
Start of studies	August 26
Main study subjects	Technology of Irrigation and Drainage, Numerical Modelling of Hydrologic Systems, Reconstruction of Hydraulic Structures, Computer Design of Hydraulic Structures, Management of Investment Projects, Urban Hydrology, Restoration of Disturbed Water Ecosystems, Research of Hydraulic Structures, Construction Law, Optimization of Civil Engineering, Reliability of building structures, Methodology of Research

## THE OUTCOMES OF STUDY PROGRAMME

Upon the completion of the study programme, graduates will be able to:

- design water engineering structures, evaluate influence of water management systems on environment;
- assess the reliability of hydraulic engineering structures by modern scientific research methods;
- propose innovative technologies for water quality improvement and sustainable use of water resources;
- evaluate and manage local and international projects for water conservation, management, and civil engineering;
- apply hydraulic constructions calculations methods and methodologies as well as evaluation techniques for water uses requirements for food production.

## RESEARCH WORK

Research is realised in University laboratories and industrial environment. Results of research are presented in scientific conferences and published in scientific journals. Studies are completed after preparation and defence of final thesis.

## EXCHANGE POSSIBILITIES

Students have a possibility to take part in various exchange programmes (Bilateral exchange, Erasmus+) for studies and traineeships abroad and get monthly scholarship that ranges from 300 to 700 Eur.

## THE CAREER OPPORTUNITIES

Graduates have an opportunity to work as designers, experts, consultants and supervisors in:

- water engineering design institutions, civil engineering companies;
- water, environment and hydraulic structures management institutions;
- consulting firms in the field of water engineering;
- education and research in the field of water engineering.

### Contact information:

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