

TRANSPORT MACHINERY ENGINEERING

Degree	Master of Engineering Sciences
Duration, study form	2 years (4 semesters), full time studies.
Entry requirements	<ul style="list-style-type: none">• University Bachelor's degree diploma (or higher) and its supplement (Transcript of Records or Mark Sheet)• priority is given to those from Mechanical Engineering, Industrial Engineering, Transport Engineering• additional courses might be required• motivation letter (included in the Application Form)• proof of English proficiency (CEFR - B2 or equivalent/TOEFL 87 iBT/534 PBR, IELTS 5.5)
Application deadline	July 10
Start of studies	August 26
Main study subjects	Methodology of Scientific Research, Numerical Methods in Engineering, Vehicle Dynamics, Reliability of Engineering Systems, Theory of Internal Combustion Engines, Safety of The Transport Machines, Simulation of a Vehicle System, Testing of the Transport Machines, Hybrid Transmissions, Automotive Mechatronic Systems, Advanced Materials and Production Technologies and etc.

LEARNING OUTCOMES OF STUDY PROGRAMME

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

- understand and use the latest technologies in the transport sector,
- identify the transport engineering challenges, make decisions, introduce innovations, supervise other employees,
- analyse performance results, conduct the applied research in the transport engineering field independently and adopt the research-based innovative solutions,
- evaluate alternative solutions and predict social and ethical consequences,
- design and simulate transport machinery systems and assemblies,
- create and improve diagnostic methods and technical maintenance systems of transport means,
- evaluate reliability of the machines.

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 in the country's and European Union institutions as experts, analysts and researchers of transport systems, vehicle, technology and equipment design, manufacturing and service companies, consulting, training and educational institutions, to establish and manage private business companies.

Contact information:

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