



Faculty of Mechanical Engineering

Mechanical Engineering

at Faculty of Mechanical Engineering, 16 Kraljice Marije, 11000 Belgrade, www.mas.bg.ac.rs

ECTS: 120/ LANGUAGE OF INSTRUCTION: SERBIAN OR ENGLISH/ DEGREE: MASTER

Study program content

Duration: 4 semesters, 21 elective modules in total. Elective modules are narrow orientations in the field of mechanical engineering. Each module has 17 courses (10 obligatory and 7 elective). Elective courses comprise scientific-professional and scientific-applicable knowledge required for the field of mechanical engineering studied in the respective module, while elective courses are chosen from the list of the courses offered. During the studies a single Skill Praxis is obligatory for the student. Master academic studies are completed on writing and public defense of M.Sc. thesis.

Study program goals

Education of M.Sc. Mechanical Engineers needed for economy and industry, to provide development and progress of the working environment, with transmission of contemporary scientific knowledge and skills in the field of mechanical engineering.

Study program outcomes

M.Sc. Mechanical Engineers are able to manipulate methods, procedures and processes of work and research at the acquired level of education. They are able to apply knowledge in practical work and thorough understanding of the physicality of concepts studied in the respective study program. The M.Sc. Mechanical Engineers have developed the ability to connect basic knowledge from different spheres of its application. They can design projects for the development of economy, industry, individuals and broader social community.

Modules

Biomedical engineering; Naval architecture; Aerospace engineering; Design in mechanical engineering; Railway mechanical engineering; Welding and welded structures; Engineering of biotechnical systems; Industrial engineering; Information technologies; Motor vehicles; Internal combustion engines; Food industry engineering; Production engineering; Process engineer-

ing and environment protection; Automatic Control engineering; Weapon systems; Thermal power engineering; Material handling, constructions and logistics; Thermal science engineering; Hydropower engineering; Computational engineering.

Admission requirements

Students who have completed B.Sc. studies at any of the faculties of technical-technological sciences, with at least ECTS 180, are allowed to enroll in M.Sc. studies at Faculty of Mechanical Engineering.

Contact

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