



Politechnika Łódzka

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Organizational unit running the field of study:

Faculty of Mechanical Engineering

International Faculty of Engineering

Cycle of study:

Second-cycle

Mode of study:

Full-time (degree programme)

Language of instruction:

English

Degree awarded:

Master of Science

Duration of study:

1,5 years

Description of the field of study:

A degree program carried out at the International Faculty of Engineering by the Faculty of Mechanical Engineering. The program includes: mechanics, strength of materials, engineering materials, automation and robotics, practical and theoretical preparation for the design and operation of mechanical equipment, the basics of machine construction, software applications for engineering, advanced manufacturing technologies, the basics of entrepreneurship and management, selected topics related to IT, economic, regulatory and environmental matters.

CORE SUBJECTS:

- Dynamics and Drives of Machines
- Fluid Mechanics and Heat Transfer
- Applied Materials Sciences
- Fatigue of Gears and Shafts
- Research Project
- Rapid Prototyping and Modern Manufacturing
- Advanced Mechanical Project
- Industrial Placement

Graduate profile:

Graduates are prepared to work, among others, in construction offices of enterprises, mainly in the aviation, machine, automotive, household appliances, and machine tools industries. They will also find

employment in industry and other facilities operating and servicing mechanical systems and machines and equipment in which they are used.

The skills acquired during the studies also allow graduates to set up manufacturing and/or service companies. This wide range of employment opportunities results from the versatility of the acquired education, which apart from engineering knowledge also includes: computer science, organization and management, foreign languages, marketing, and the humanities. During their studies, students acquire a number of soft skills, such as group work, time and team management, setting priorities, negotiation techniques.

Graduates are prepared to solve advanced engineering problems using professional software as well as to conduct research. They can apply for admission to a third-cycle degree program (doctoral studies).

The study program is available on the [website](#). [1]

Date of enrolment:

We are not currently recruiting for this field of study

Admission requirements:

- [Admissions calendar](#) [2]
- [Required documents](#) [3]
- [Fees](#) [4]

Source

URL:<https://rekrutacja.p.lodz.pl/en/advanced-mechanical-engineering-second-cycle-international-faculty-engineering>

Links

[1] <https://programy.p.lodz.pl/ectslabel-web/> [2] <https://rekrutacja.p.lodz.pl/en/deadlines> [3] <https://rekrutacja.p.lodz.pl/en/documents> [4] <https://rekrutacja.p.lodz.pl/en/tuition-fees>