MECHATRONICS

(jointly with Faculty of Electrical Engineering and Faculty of Microsystems Electronics and Photonics)

DEGREES AND SYSTEMS OF STUDY

1st degree intramural Engineering Study (7 semesters)

2nd degree intramural Master Study (3 semesters)
in the following specializations:
- *Mechatronics in the Manufacturing Systems*
- *Mechatronics in Machines and Vehicles*

BIOMEDICAL ENGINEERING

DEGREES AND SYSTEMS OF STUDY

1st degree intramural Engineering Study (7 semesters)

2nd degree intramural Master Study (3 semesters)

CONTROL ENGINEERING AND ROBOTICS

DEGREES AND SYSTEMS OF STUDY

1st degree intramural Engineering Study (7 semesters)

2nd degree intramural Master Study (3 semesters)
in the following specializations:
- *Machine and Process Automation*
- *Manufacturing Systems*

2nd degree part-time Master Study (4 semesters)
in the following specializations:
- *Machine and Process Automation*
- *Manufacturing Systems*

TRANSPORT

DEGREES AND SYSTEMS OF STUDY

1st degree intramural Engineering Study
(7 semesters)

MANAGEMENT AND MANUFACTURING ENGINEERING

DEGREES AND SYSTEMS OF STUDY

1st degree intramural Engineering Study (7 semesters)
(also in Regional Faculty in Wałbrzych)

2nd degree intramural Master Study (3 semesters)
in the following specializations:
- *Practical Logistics*
- *Manufacturing Management*
- *Quality Management*

2nd degree intramural Master Study – in English
(3 semesters) in the following specialization:
- *Production Management*

1st degree part-time Engineering Study
(8 semesters)

2nd degree part-time Master Study
(4 semesters)
in the following specializations:
- Practical Logistics
- Manufacturing Management
- Quality Management

FACULTY OF MECHANICAL ENGINEERING

WROCŁAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

INTRAMURAL STUDY
Łukasiewicza 5, 50-371 Wrocław
building B-4, Student Office: room 1.15
phone: +48 71 320 42 50

PART-TIME STUDY
Łukasiewicza 7/9, 50-371 Wrocław
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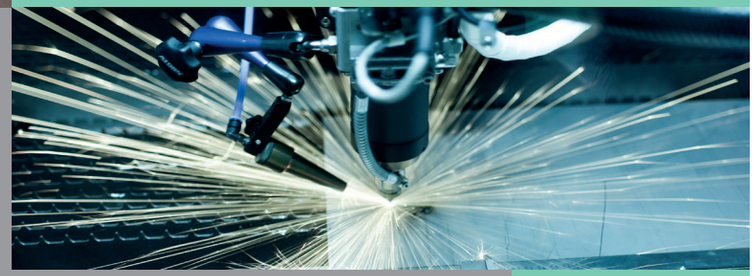
Wrocław University of Science and Technology

FACULTY OF MECHANICAL ENGINEERING

FULFILLING IMPOSSIBLE



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ENGINEER'S ERA

It is hardly to imagine the functioning of the modern world without engineering oversight. Not without exaggeration is the statement, that everything that surrounds us and is helpful in our everyday life – from pop to large household appliances equipment and machinery, was established under the careful supervision of specialists of the organization of production. The essence of the study at the Faculty of Mechanical Engineering except the work in addition to innovative, is also modernizing and improving existing facilities. Here arises the solutions useful in many areas of human activities – such as mining – a modern design of tunneling machinery, and medicine – students team work at smart bio-prosthesis of a hand and computer system that supports orthopedic operations. In one of the best equipped laboratories in Poland, with a view to the highest quality products, among others the prototypes of future products are made. At this stage engineers are able to identify the strength and weak areas of the product that purportedly will be produced in series. At this faculty, one of the students during his thesis, constructed the first in Poland anthropomorphic robot. A robot responds to touch, temperature and the presence of people. Wide range of work undertaken and the challenges facing the students of this department, make study very interesting and original.

FOREIGN PARTNERSHIP

In addition to traditional forms of students' exchange within Erasmus+, students have the opportunity to participate in the project called Intensive Program (IP) – e.g. New Fuels and Drive Systems in Vehicles, organized in cooperation with universities such as of Antwerp, Brussels, Graz, Cologne and Tallinn. „Rally at the Fuel Drop" that takes place at the Faculty was played among the participants in the student exchange program.

The cooperation with the prestigious, international institutions and universities is intensively expanding. The effect of cooperation was the active participation of faculty in international programs such as: the Central European Exchange Program for University Study CEEPUS, INHE, the European Program for Higher Education: Erasmus, Erasmus Mundus, Intensive Program, or apprenticeship Program Leonardo. As part of an international project Development of the Global Information Technologies, together with KITE CH (Korea Institute of Industrial Technology), KIMM (Korea Institute of Machinery and Materials), Seoul National University, faculty scientists conducted research on thermal characteristics and error compensation of high turnover machines. Students from the Faculty of Mechanical Engineering are very active in Formula Student, famous International Student Automotive Event.

WELL PLANNED

Studying at the Faculty of Mechanical Engineering is not only the production of robots and machines. It also issues related to logistics fine tune of the fastest providing these products to the recipient. Professionalism in the organization and planning to move the goods quickly and deliver to a specific recipient, is one of the skills that are acquired during the study. These skills are extremely useful, especially in transport and freight forwarding companies and logistics centres.

MECHANICAL ENGINEERING AND MACHINE BUILDING

DEGREES AND SYSTEMS OF STUDY

1st degree intramural Engineering Study
(7 semesters)

1st degree intramural Engineering Study – in English
(7 semesters)

2nd degree intramural Master Study
(3 semesters) in the following specializations:

- *Materials Engineering*
- *Machine Design and Operation*
- *Manufacturing Systems*
- *Transport Systems*

2nd degree intramural Master Study – in English
(3 semesters) in the following specialization:

- *Automotive Engineering*

1st degree part-time Engineering Study
(8 semesters)

2nd degree part-time Master Study
(4 semesters) in the following specializations:

- *Machine Design and Operation*
- *Manufacturing Systems*