



FACULTY OF MECHANICAL ENGINEERING

wm.pb.edu.pl/en



Where?

Just here, at the **Faculty of Mechanical Engineering, Bialystok University of Technology**, north-eastern Poland, is the place where you will gain a unique chance to explore your **passion** in mechanics, machine design, process control, robotics, mechatronics and more!

How?

You will join a **community of passionate students and experienced staff**, who work together to realize unique projects and bring their brave ideas to life. Together with those enthusiastic people you will be involved in designing mars rover analogues, racing cars, mobile robots, pneumobiles, unmanned aerial vehicles, limb prostheses, wheel chair appliances and many others.

What?

Find out why we call our Faculty of Mechanical Engineering, Bialystok University of Technology - **the Faculty of People with Passion**. Select one of the following study programs taught entirely in English and start studying with us!

Bachelor's in Engineering in Mechatronics

7 semester, full-time study program

You will learn (among others) the following topics:

- design and control of microconstructions
- mobile robots, mechatronics systems
- intelligent systems and intelligent constructions

Master's in Engineering in Mechatronics

3 semester, full-time study program

You will learn (among others) the following topics:

- design and control of industrial process, manipulators, mobile robots, mechatronics systems
- digitalization and integration of industrial processes
- mechatronics in intelligent production systems

Engineering in Mechatronics

After finishing this program our graduates work as:

- factory mechatronics and/or robotics maintenance engineers
- robotics engineers
- mechatronics/ robotics R&D engineers
- integrators of mechatronics and/or robotics systems

You can also study as an Erasmus + student with the subjects as you can choose below: Fundamentals of Mechanical Engineering, Combustion Engines, Materials Science, Thermal Engineering, Computer Aided Design, Finite Element Method, Thermal Engineering, Commercial Art, Strength of Materials, Robotics.

More on study programs at: wm.pb.edu.pl/en/studies



Master's in Engineering in Mechanics and Machine Design

3 semester, full-time study program

You will learn (among others) the following topics:

- computer aided design (CAD), manufacturing (CAM), and engineering (CAE) of modern mechanisms and machines
- design and maintenance of automobiles
- computer numerical control (CNC) of machine tools
- materials engineering
- heat and refrigeration systems

After finishing this program our graduates work as:

- mechanical R&D engineers
- automotive engineers
- CNC programmers
- engineering technologists
- heat and refrigeration engineers

Benefits

- You will be an integral part of Bialystok University of Technology - the modern technical university in one of the European Union countries.
- You will have access to all our laboratories, measuring / test equipment, computer hardware / software, University Library, student dormitories, etc.
- You will have an opportunity to join our numerous student research clubs to make your **passions** come to life.
- After finishing the studies and defending your diploma thesis you will receive the certificate issued in Poland and recognized not only in EU, but also around the world.

Eligibility

Enrolled Bachelor in Engineering students with academic records in mechanics and mechanical engineering, automatic control and robotics, mechatronics, biomedical engineering or materials and manufacturing engineering.

More on study programs at: wm.pb.edu.pl/en/studies

We are proud of successful designs of our students!

Mars rover analogues:

Magma 2 - 1st place, University Rover Challenge 2011, *Hanksville, USA*
Hyperion - 1st place, University Rover Challenge, 2013, *Hanksville, USA*
Hyperion 2 - 1st place, University Rover Challenge, 2014, *Hanksville, USA*
Argo - 2nd place, Canadian International Rover Challenge, 2018, *Drumheller, Canada*

Racing cars:

CMS-01, Formula Student 2013, *Hockenheim, Germany, Győr, Hungary*
CMS-02, Formula Student 2014, *Silverstone, UK, Hradec Kralove, Czech, Győr, Hungary, Ricardo Paletti, Italy*
CMS-03, Formula Student 2016, 2nd place, *Varano de' Melegari, Italy, 4th place, Autodromie Most, Czech, Silverstone, UK, Győr, Hungary*
CMS-04, Formula Student 2017, *Ricardo Paletti, Italy, Hradec Kralove, Czech, Győr, Hungary*
CMS-05, Formula Student 2018, *Silverstone, UK, Hradec Kralove, Czech, Győr, Hungary, Ricardo Paletti, Italy*

MegaSumo mobile robots:

1st and 3rd places, RobotChallenge 2019, *Beijing, China*
2nd and 3rd places, BattleLab Robotica 2019, *Cluj Napoca, Romania*
2nd place, RobotChallenge 2018, *Beijing, China*
1st place, BattleLab Robotica 2018, *Cluj Napocca, Romania*
Two 1st places and one 3rd place, *Robogames 2018, Pleasanton, USA*
1st, 3rd and 4th place, Robotiada 2018, *Vilnius, Lithuania*
1st place, All Japan Robot-Sumo Tournament 2017, *Tokyo, Japan*
1st, 3rd place, RobotChallenge 2017, *Beijing, China*
1st, 4th place, Robolid 2017, *Valladolid, Spain*
1st place, Robochallenge 2017, *Bucharest, Romania*

Other projects:

Bobot - robotical humanoidal medical assistant... a friend indeed:
Gold Medal, Concours Lepine 2018, *Paris, France,*
Gold Medal, INTARG 2017&2018, *Katowice, Poland*

Hermes - wheelchair appliance:

Gold Medal, INTARG 2016, *Katowice, Poland,*
Gold Medal, INOVA-BUDI UZOR, 2016, *Zagreb, Croatia,*
Gold Medal, Brussels-Innova 2016, *Brussels, Belgium*



What else?

You can apply also for an individual research internship in the Internships for Foreign Students Program (IFSP):

- * short-term, two-week internship
- * mid-term, eight-week internship
- * long-term, sixteen-week internship

More on the Internships for Foreign Students Program at: wm.pb.edu.pl/en/internship

University admission: As easy as 1-2-3

1. Send the documents listed below to our international admissions officer:
High School Diploma with Transcript of Records (1st degree applicants) or Bachelor Degree with Transcript of Records (2nd degree applicants), English language certificate or a medium instruction letter, Application Form (downloaded from our website), passport photo.
2. Arrange a Skype® interview with our international admissions officer.
3. After successful verification you receive your invitation letter. The whole process usually takes up to two weeks.

For more detailed information visit our website: pb.edu.pl/iro
Contact details: studyatbut@pb.edu.pl