

Silesian
University
of TechnologyEXCELLENCE INITIATIVE
RESEARCH
UNIVERSITY

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Characteristics of the specialty

A graduate of the Unmanned Aerial Vehicles specialization in Aviation and Space Engineering is characterized by comprehensive knowledge in the field of alternative propulsion, aerodynamics, as well as the construction and design of aircraft and their operation. He also acquires high skills in using CAD programs and allowing for simulating and analyzing the behavior of various mechanical, electrical and other systems. Thanks to the use of a modern laboratory, the graduate has practical skills in building various aviation structures, as well as their analysis and optimization. During the studies, the ability to use specialist English in the field of aviation is developed, which allows for subsequent work in an international environment.

Program of specialties, forms of education

- Possibility to participate in PBL (Project Based Learning) and obtain an Individual Study Organization;
- Energy efficient driving systems
- Applied aeroelasticity
- Cybersecurity of aviation systems
- Design of UAV structures
- Autonomous Unmanned Aerial Systems
- Communication and Navigation in Mobile Systems





<https://www.polsl.pl/rmt/kierunki/>

Specialization at the 2nd degree of studies for the field of: Aerospace Engineering

Why is it worth choosing our specialty?

- developing practical skills in various areas related to aviation through PBL (Project Based Learning);
- the possibility of further development of your scientific career by undertaking doctoral studies, also as an implementation doctorate in industry;
- modern laboratories and a wide range of programs available to students;
- the ability to use specialist English in the field of aviation;
- cooperation with companies from the aviation and automotive industries;
- study program adapted to the challenges posed by the modern world and the current labor market;

Contact:

- rmt6@polsl.pl
- www.polsl.pl/rmt6

Graduate profile and employment prospects

Master of Science, a graduate of Unmanned Aerial Vehicles in the field of Aerospace Engineering, will find employment in companies from industries such as aviation, automotive, incl. in the following positions:

- designer and constructor of vehicle or aircraft components,
- technologist;
- project manager;
- research and development.

The development of language skills and competences and the possibility of expanding your foreign contacts through student exchanges and participation in conferences allows you to work in international companies in Poland and abroad.

