BYDGOSZCZ UNIVERSITY
OF SCIENCE AND TECHNOLOGY
Faculty of Mechanical Engineering

Mechatronics - second-cycle studies

MECHATRONICS - DESCRIPTION

Mechatronics studies at the master's level are the best way to obtain expert knowledge, development related to drives and machine control. Students learn to apply advanced control processes and to measure thermodynamic and mechanical quantities. They design intelligent control systems for various machines and devices.

Form of studies:	Stationary
Educational level:	Second cycle
Languages of Lecture:	Polish, English
Limit of places:	30
Duration:	1.5 years (3 semesters)

It is an excellent field of study for all graduates of engineering or bachelor's studies in technical sciences who wish to expand their knowledge in the field of control system design and acquire new competences.

During the master's studies you will gain knowledge in the field of kinematics and dynamics of mechatronic systems, you will broaden the skills of programming PLC controllers and microprocessor systems. You will learn to use the knowledge regarding the implementation of measurements used in the control of mechatronic machines and devices. You will gain new knowledge and skills regarding drives and measurement systems in vehicles.

All students have access to various software (full and / or educational versions) used in the course of their studies.

REQUIREMENTS

If you want to apply for a master's degree in Mechatronics, you should be a graduate of engineering studies in the field of technical sciences (mechatronics or related major, such as mechanical engineering or automation). You will be asked to present your diploma of completion of these studies. Graduates of other fields of study will be interviewed. Detailed information is included in the recruitment rules.

MECHATRONICS - ABOUT THE STUDY PROGRAM

The program of the Mechtronics course - second-cycle studies - significantly extends the knowledge previously acquired at the undergraduate or engineering level. Check out the full program and see how much you can still learn!

Specialties:

Mechatronics studies at the master's level meet the requirements of the labor market and allow you to gain knowledge in a specific area. As part of the course, you can pursue one of two specializations: **industrial mechatronics** or **vehicle mechatronics**.

WHAT ARE THE WORK POSSIBILITIES AFTER STUDY OF MECHATRONICS?

The study program is arranged in such a way that the graduate, after its implementation, is prepared both to work in industrial enterprises, where he can manage industrial processes in the field of machine construction and their control, in scientific and research units and research and development centers, and is also prepared to independently conduct business activity in the field of production, design and servicing of mechatronic devices.

A graduate of the second cycle of studies in the field of Mechatronics is also prepared to undertake third cycle studies at the doctoral school.