

Web Application Developer

BACHELOR'S DEGREE - SPECIALITY

Form: Full-time

Study form: Traditional (on-site)

Features: Bachelor's degree • From October • English • 6 semesters

City: Bydgoszcz



What will you learn?

- You will acquire comprehensive skills in developing web applications, with a focus on security and responsiveness.
- You will master the design of applications with an intuitive and secure interface that responds to the dynamic needs of the business market.
- You will understand how to use wireless technologies in the design of systems and web applications.
- You will learn to use data mining techniques and machine learning in business analytics and in developing mobile applications.
- You will become familiar with the principles of setting up and running start-ups in the rapidly developing technology sector.
- You will be able to create innovative web solutions thanks to a practical approach to learning programming.

Work opportunities

- As a web application design engineer, you will create modern solutions for enterprises.
- In the role of designer of applications based on wireless technologies, you will develop advanced communication systems.
- A web application implementation specialist is responsible for integrating web technologies into business processes.
- An IT infrastructure manager in companies supervises the development and implementation of innovative IT systems for enterprises.
- A mobile application design specialist creates attractive and engaging applications for various web platforms.
- An IT project manager leads complex IT projects, overseeing every stage of their implementation.

Study program

Practical studies

We teach in a way that best prepares you for the real-world challenges you will face in your professional career.

- **Group projects** – real business problems.
- **Simulations** – decision-making in market conditions.
- **Internships and placements** – experience in companies.



- **Lectures with practitioners** – experts from the industry.
- **Modern tools** – current technologies.
- **Case studies** – analysis of real cases.

Selected major-specific courses

- Fundamentals of engineering design
- Web programming
- Mobile and wireless technologies
- Basics of electrical engineering and electronics
- Computer systems architecture

Selected specialization courses

- Web Operating Systems
- Web Communication Technologies
- Web Applications
- Programming Languages for Web Applications
- Programming Web Applications
- Design and Implementation of Web Applications
- Web Applications Security

Foreign language study

On full-time studies:

- 240 hours of one foreign language (60 hours per semester, from the 2nd to the 5th semester).

On part-time studies:

- 64 hours of one foreign language in the 2nd and 3rd semester.

Internships and practical training

Student internships are an important part of the study program. Students of bachelor's and long-cycle master's studies complete 960 hours of internships (24 weeks), gaining professional experience. If you



work in a profession related to your field of study, you can have your internship credited based on your employment. During your studies, you also have the opportunity to take a paid internship. Internship programs are designed by cooperating employers, tailoring requirements to specific positions, which helps you take your first professional steps.

Study completion requirements

You create a major project that addresses a practical or theoretical problem related to your field of study. By studying literature and conducting your own analyses, you work on an original problem-solving proposal. Everything you learn during your studies enables you to create a professional project based on real data and actions. To earn your bachelor's degree, you must defend this project before a committee. You set the direction of your own project!

How to become a WSB Merito University student

You can enroll in a **first degree (e.g. Bachelor's or Engineer's) program** if you have successfully completed your secondary education and have a secondary school-leaving certificate.

[Learn more](#)

Register online

Applicants are admitted on a first-come first-served basis. If you are to complete your secondary education this year, or you are studying for your first degree but have not yet earned it, **you can secure a place with us by signing up online.** Your educational service contract can be drawn up later as you have collected all of the required documents.

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