

Web Application Developer

BACHELOR'S DEGREE - SPECIALITY

Form: Full-time

Study form: Traditional (on-site)

Features: Bachelor's degree • From October • English

City: Toruń



What will you learn?

- You will gain comprehensive skills in **web application development**, with a focus on security and responsiveness.
- You will master **designing applications with intuitive and secure interfaces**, tailored to the dynamic needs of the business market.
- You will understand the **use of wireless technologies** in designing systems and web applications.
- You will learn to **use data mining and machine learning techniques** in business analysis and mobile app development.
- You will discover the **principles of founding and running startups** in the rapidly growing tech industry.
- You will be able to create **innovative web solutions** thanks to practical programming instruction.

Work opportunities

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

Study program

Practical studies

We teach in a way that best prepares you for the real 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** – up-to-date technologies.
- **Case studies** – analysis of real-life examples.

Selected major-specific courses

- Statistics and probability
- Fundamentals of economics
- Finance
- Accounting
- Entrepreneurship
- Computer networks
- Database systems
- Programming languages and software engineering
- Management information systems
- IT system security
- Operating systems
- Algorithms and data structures
- User interface design
- Systems theory and engineering with elements of systems analysis
- Engineering graphics
- Fundamentals of engineering design
- Web programming
- Cost accounting for engineers
- Mobile and wireless technologies
- Metrology with elements of physics
- Elements of electrical engineering and electronics
- Computer system 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

Full-time studies:

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

Part-time studies:

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

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!

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.

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.

[Create an account or log in](#)