WSB MERITO UNIVERSITY GDANSK

Software Development

BACHELOR'S DEGREE - SPECIALITY

Form: Full-time

Study form: Hybrid • Traditional (on-site)

Features: Engineer's degree • From October • English • 7 semesters

City: Gdańsk

What will you learn?

- You will learn **compilation techniques** and delve into syntax and semantics, making it easier to master creating your own programming languages.
- You will master **distributed programming**, enabling you to build cloud-based applications with scalability and high performance.
- You will excel in **building advanced business applications**, widely used in network environments and modern companies.
- You will gain knowledge in the field of
- You will gain knowledge of **mobile programming**, enabling you to create apps for smartphones and tablets across various operating systems.
- You will acquire skills in **testing and deploying web applications**, ensuring high quality and reliability of code.
- You will receive valuable market certificates in **modern technologies**, boosting your employability and enhancing your IT qualifications.

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** – industry experts.
- **Modern tools** – up-to-date technologies.
- **Case studies** – analysis of real-life examples.

Selected major-specific courses

- Mathematical analysis and linear algebra
- Computer systems architecture
- Discrete mathematics
- Fundamentals of programming
- Fundamentals of computer science

Dane zamieszczone w niniejszej karcie kierunku mają charakter wyłącznie informacyjny. Dane te nie stanowią oferty zawarcia umo wy w rozumieniu art. 66 i nast. kodeksu cywilnego. Zgodnie z art. 160 ust. 3 ustawy z dnia 27 lipca 2005 roku Prawo o szkolnictwie wyższym, umowa między Uniwersytetem WSM Merito we Wrocławiu a studentem zawierana jest w formie pisemnej.

- Algorithms and data structures
- Databases
- Methods of effective learning and project writing
- Probability calculus
- Fundamentals of computer networks
- Fundamentals of law
- Information systems analysis
- Operating systems
- Statistics
- Object-oriented programming
- Information systems design
- Computer modeling and simulation
- Graphics and multimedia
- Human–computer interaction design
- Operations research
- Sociology

Selected specialization courses

- Front-End Developer tools
- Single Page Application (SPA) design
- IT network security – team project
- IoT network design
- .NET programming

Foreign language study

For full-time studies:

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

For part-time studies:

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

You can choose: English, German, Spanish, Russian.

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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

Take the first step – register now!

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.
Learn more

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