WSB MERITO UNIVERSITY WROCLAW

Software Development

BACHELOR'S DEGREE - SPECIALITY

Form: Full-time

Study form: Traditional (on-site)

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

City: Wrocław

What will you learn?

- You will gain **skills in programming in Java and Python**, which will open up many opportunities for you in the IT industry
- You will learn about the **DevOps methodology**, which is key in modern application development and management
- You will find out how to **create and manage cloud applications**, using various architecture models such as microservices and serverless
- You will master **IoT device programming**, which will allow you to develop projects in the field of the Internet of Things
- You will learn **the principles of algorithms and data structures**, which will enable you to solve complex programming problems
- You will learn **effective IT project management**, which will enhance your organizational skills and professional competencies

Work opportunities

- Work as a **Software Developer**, creating software for various industries and organizations
- Find employment as a **Java Developer**, specializing in backend application development
- Take a job as an **IT Support Specialist**, helping users solve technical issues
- Work as a **System Engineer**, managing and developing IT infrastructure within companies
- Grow in the role of an **IT Systems Integrator**, integrating various systems and applications in organizations
- Work as an **IT Service Desk Specialist**, supporting companies in maintaining the continuity of their IT systems

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.

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.

- **Case studies** – analysis of real cases.

Selected major-specific courses

- Basics of computer networks
- Server operating systems
- Algorithms and data structures
- Database systems
- Security in computer systems and networks
- Introduction to VR/AR/MR technology
- Fundamentals of Linux system administration
- Object-oriented programming
- Web applications programming
- Mobile applications programming
- Client systems
- Content management systems CMS
- Business intelligence systems
- Programming Internet of Things IoT devices
- IT project management

Selected specialization courses

- Law of New Technologies
- Learning Strategies
- Basics of Programming
- Business Intelligence Systems
- Career Management in IT Industry
- Client Systems
- Introduction to VR / AR / MR Technology
- IT Project Management

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Foreign language study

All classes in this program are conducted **in English**.

Additionally, you will take part in classes where you will deepen your knowledge of professional English.

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!

Program partners



How to become a WSB Merito

Take the first step – register now

Applicants are admitted on a first-come first-

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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

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