WSB MERITO UNIVERSITY GDANSK

Information Technology

BACHELOR'S DEGREE - PROGRAM

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 programming in C#, Python, and more**, enabling you to develop modern web, mobile, and desktop applications based on your chosen focus.
- **You will understand principles of designing and managing IT network security**, preparing you to work on data protection and IT infrastructure.
- **You will gain server environment administration skills**, helping you effectively manage IT systems in businesses and organizations.
- **You will master creating animations with scripting languages**, useful for designing websites and multimedia applications.
- **You will learn modern technologies**, such as IoT and VR, gaining experience with future-oriented solutions in the tech industry.
- **You will gain access to international IT certifications**, including Cisco, ITIL, and Microsoft, boosting your employability and strengthening your CV.

Work opportunities

- **Work as a web application developer.** Create responsive websites and web applications using modern frameworks and programming languages like C# and Python.
- **Get hired as a network administrator.** Ensure data security and system continuity by designing and managing IT infrastructure in companies.
- Become a cybersecurity specialist. Implement solutions to protect against cyberattacks, analyze risks, and monitor network security.
- **Become an animation and multimedia creator.** Design dynamic interfaces and animations using scripting languages to enrich applications with interactive elements.
- **Get hired as an IoT engineer.** Develop and manage Internet of Things systems, connecting devices and applications to create smart solutions for home and industry.
- **Be a certified IT specialist.** Strengthen your position in the job market by earning globally recognized certificates like Cisco, Microsoft, and ITIL.

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
- Algorithms and data structures
- Databases
- Methods of effective learning and writing project papers
- 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 2nd to 5th semester).

For part-time studies:

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

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

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

education and have a secondary school-leaving certificate.
Learn more

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

Specializations in the Information Technology program

Software Development

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