

# Computer Programming

MASTER'S DEGREE - SPECIALITY

**Form:** Full-time

**Study form:** Traditional (on-site)

**Features:** Master's degree • From October • English • 4 semesters

**City:** Gdańsk



## What will you learn?

- You will learn **HTML, CSS, and JavaScript** – create websites that look great, work fast, and function smoothly on any device.
- You will master **the React and Angular frameworks** – build modern, dynamic apps that impress users and recruiters.
- You will learn **backend programming in .NET and Java** – handle logic, data, and application security for seamless, reliable apps.
- You will build your own **PWA (Progressive Web Applications)** – your solutions will work offline, on desktop and mobile, without losing quality.
- You will explore **testing and quality assurance** – learn how to check code, catch errors, and build secure, reliable applications.
- You will learn about **UX and interface design** – design intuitive apps that people truly want to use.

## Work opportunities

- Work as a **front-end developer** – create dynamic websites and apps in React or Angular that run fast and look great.
- Become a **back-end developer** – build secure, efficient systems in .NET, Java, or Python and take care of everything "under the hood."
- Step into the role of a **full-stack developer** – combine front and back in one project, oversee the entire process, and develop complete web solutions.
- Work as a **PWA developer** – create modern offline apps that run smoothly on both desktop and smartphones.
- Grow as a **UX/UI designer** – design user-friendly, intuitive interfaces and truly influence how users feel in your app.
- Become a **web designer** – shape site and app appearance, design what users see, making it not only attractive but also useful.

## Study program

### Practical studies

We teach to prepare you for real challenges you'll face at work.

- **Group projects** – real business problems.
- **Simulations** – decisions in market conditions.



- **Internships** – company experience.
- **Lectures with practitioners** – market experts.
- **Modern tools** – current technologies.
- **Case studies** – real case analysis.

## **Selected major-specific courses**

- Front-end of web applications
- Creating back-end for web applications
- Programming web applications using the .NET platform
- Programming web applications in Java
- RIA, Case study: Angular
- Web page creation technologies
- Programming with elements of algorithms
- UX and user interface design
- Software quality assurance techniques

## **Selected specialization courses**

- Creating back-end for web applications
- Programming web applications using the .NET platform, vlab
- Programming web applications in Java
- RIA, Angular
- Website creation technologies
- Creating PWA applications

## **Foreign language study**

- During your studies, you take one major subject in English. In management, this is Leadership.
- In the 4th semester, you must complete a subject in English, adapted to your chosen specialty.
- Additionally, you can choose two more subjects in English – one lecture and one exercise class.
- It's a great opportunity to develop language skills and gain knowledge in an international context.



## Internships and practical training

Internships are an important part of the study program. Master's students complete **480 hours of internships throughout their studies**, gaining valuable work experience. If you are employed in a profession relevant to your field of study, you may have your internship credited based on your employment. During your studies, you also have the opportunity for a paid internship. Internship programs are prepared by our partner employers, adapting requirements to specific positions, which makes starting your professional career easier.

## This is a program for people

- who want to create modern and responsive web applications,
- who are interested in front-end, back-end, and PWAs,
- who want to combine programming with UX/UI design and software quality testing.

### How to become a WSB Merito University student

To be eligible for a **second degree (Master's) program**, you must have completed a prior higher education program concluded with the award of a first degree (Bachelor's or equivalent).

[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](#)