



WSEI University

COMPUTER SCIENCE



INNOVATIVE EDUCATION
AND MODERN OFFER



WHY IS IT WORTH CHOOSING THIS COURSE OF STUDY?

- **Diploma in Computer Science is recognized in all EU countries**
- **Professional equipment and software are used for practical classes**, including a specialized training tool for the CyberRange class, a training scheme developed by experts advising the EU and NATO security structures, modern and fully equipped laboratory with the possibility of a physical division into two zones: a Blue Team and a Red Team, Forensics Team.
- During their studies students undertake **internships** of 6 months.
- Classes are conducted by practitioners with **many years of experience**
- **Classes are conducted** at the Cybersecurity Laboratory, Network Security Laboratory, Audio-Video Recordings and Multimedia Applications Laboratory, IP Network Services Laboratory, Audiovisual Systems and Multimedia Technologies Laboratory
- Exercises, conferences, meetings and trips devoted to **improving students' competences** are carried out in cooperation with the National Cyberspace Security Center (unit of the Ministry of National Defense)



SPECIALIZATIONS

Engineering degree

(7 semesters)

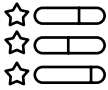
- **SOFTWARE ENGINEERING AND MOBILE TECHNOLOGY**
- **CYBERSECURITY AND NETWORK TECHNOLOGIES**

Master degree

(4 semesters)

- **CYBERSECURITY**
- **PROGRAMMING AND DATA ANALYSIS**
- **DIGITAL TECHNOLOGIES IN BUSINESS**

Specializations in the fields of study are launched depending on the interests of the students and the gathering of a sufficiently large group.



ACQUIRED QUALIFICATIONS AND SKILLS

Upon graduation, you will be able to:

- Apply **knowledge and skills** in the field of **software engineering**, the selection of **programming environments** and tools for **designing, implementing** and **testing IT systems**, including web applications,
- **Design, implement** and **manage modern multimedia applications**, including those operating in various areas of ICT service delivery,
- Design, implement and maintain **computer networks** and **computer/IT systems** with a focus on security,
- **Analyze the functioning of computer** and **network systems** and **diagnose** these systems using the available software and hardware tools,
- **Analyze cyber threats, detection methods** and **prevent cyber attacks**,
- Obtain **industry certificates**.

Our Cyber Security Laboratory is the most modern and in fact the only one of it's kind in Eastern Poland. Training and technical projects are carried out in this laboratory.



WORK & CAREER

ADMINISTRATOR OF DATABASE SYSTEMS

DATA ANALYST

HEAD OF THE IT DEPARTMENT IN GOVERNMENT OFFICES AND INSTITUTIONS

MOBILE APPLICATION DEVELOPER

SOFTWARE DESIGNER

SECURITY SYSTEMS DESIGNER

DESIGNER OF COMPUTER SYSTEMS

IT SPECIALIST

SPECIALIST IN THE FIELD OF COMPUTER SYSTEMS AND NETWORK SECURITY

IT SYSTEMS TESTER

IT SYSTEMS IMPLEMENTER

WEB DEVELOPER

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