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COMPUTER SCIENCE AND TECHNOLOGY

FACULTY OF COMPUTER SCIENCE AND MANAGEMENT |
FIELD OF STUDY: APPLIED COMPUTER SCIENCE | COMPUTER SCIENCE AND TECHNOLOGY |
MASTER'S DEGREE PROGRAMME

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DESCRIPTION

The final effect of studies at the Master's level is ob- taining knowledge, skills and qualifications in accordance with "Teaching Standards" in the field of Computer Science. Students receive extended knowledge in the area of specialization. The students who finished study will be able to: use various methods and techniques, formulate and solve specific problems related to computer science, become team work leaders. Additionally, they will have obtained fluent and creative knowledge application in the area of specialisation, which means mathematical models designing, problems formulating and solving, problem oriented information systems analysis and testing.

ABOUT STUDIES

» **Duration:** 4 semesters
» **Mode of study:** Full time
» **Language of instruction:** English
» **Start date:** 1st October 2020
» **Programme coordinator:**
Marek Krótkiewicz, Ph.D., D.Sc.
marek.krotkiewicz@pwr.edu.pl

JOB PROSPECTS

Employment in informatics companies and organizations which apply informatics tools and systems at the specialists and manager positions.

ENTRY INFORMATION

Requirements: Bachelor's Degree, preferably in Computer Science or in a related area. Applicants with a Bachelor's Degree outside of Computer Science must demonstrate significant proficiency in computer science. Any area of requirements can be satisfied through courses completed at the bachelor level or by suitable experience

Each application is assessed individually on its merits. If in doubt, please contact the Admission Officer.

» **Deadline for application:**
Non EU/EFTA students see:
www.admission.pwr.edu.pl
EU/EFTA students see:
www.rekrutacja.pwr.edu.pl

» **English:** Equivalent of minimum TOEFL IBT – 87 points or 6.5 points IELTS. List of accepted language certificates can be checked online

» **Tuition fee:**
Non EU/EFTA students: **2000 EUR** per semester
EU/EFTA students: **no tuition fee**

» **Application fee:**
Non EU/EFTA students see:
www.admission.pwr.edu.pl
EU/EFTA students see:
www.rekrutacja.pwr.edu.pl

CONTENT

forms of teaching: lectures, laboratories, tutorials, projects, seminars, research.

SEMESTER 1
» Advanced Databases
» Advanced Topics in Artificial Intelligence
» Information System Modelling and Analysis
» System Modelling and Analysis
» Foreign Language I
» Foreign Language II

SEMESTER 2
» Parallel and Distributed Computing
» Software System Development
» Modelling and Analysis of Web-based Systems
» Mobile and Multimedia Systems
» Foundations of Knowledge Engineering

SEMESTER 3
» Physics of Contemporary Computer Science
» Recent Advances in Computer Science
» Ethics of New Technologies
» Fundamentals of Business and Intellectual Property
» MSc Thesis I

Modules of optional courses
(select one of the courses within the module)
M 3.1:
» Parallel Computer Architecture
» Advanced Computer Network
M 3.2:
» Advanced Computer Graphics
» Digital Image Processing
» Multimedia Information Systems
» User Interface Development
M 3.3:
» Data Warehouses
» Expert Systems

SEMESTER 4
» Research Methodology
» Business Modeling and Analysis
» Monographic Subject
» Diploma Seminar
» MSc Thesis II

Questions? Please contact the Admission Officers e-mail: admission@pwr.edu.pl,
phone: +48 71 320 37 11, +48 71 320 31 70, +48 71 320 37 19, +48 71 320 44 39

MASTER'S DEGREE PROGRAMMES

WROCŁAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

MASTER'S DEGREE PROGRAMMES