



„Getting power in the contemporary world requires the abilities and skills in controlling computer systems and networks. We are giving the students an opportunity to do it”

Professor Andrzej Kasprzak,
program coordinator



ADVANCED INFORMATICS AND CONTROL

STUDIES IN ENGLISH



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> ABOUT THE STUDIES

There are many possibilities for partially studying in co-operating universities abroad, e.g., in the UK and Sweden, especially Coventry University. Students can choose which subjects they would like to do there during semester 2 and 3. They also have an opportunity to obtain M. Sc. diplomas of both universities. The preference on this course is creative way of studying. The abilities to present the results of own research may turn out to be especially useful (students learn them at Research Skills and Methodologies classes) – students of this program can participate in scientific workshops, the so called Polish- British Workshop, organized every year. The guarantee of best quality education ensures an honorable distinction of the Polish State Accreditation Committee.



> PERSPECTIVES AFTER GRADUATION

Graduates have advanced knowledge of computer science. They gain experience in designing practical IT solutions, especially in designing control and informatics systems for companies. They are prepared to solve IT problems and process and equipment control problems using classical and smart computer systems. They can work for both IT companies and companies designing control systems, mainly as chief designers, system analysts and in research and development departments. Their education and practical knowledge related to specialist English terminology means that our graduates find it easier to find jobs in today's job market particularly in international corporations where communication in English is the basis of effective communication. The curriculum is oriented to gain skills for both individual work and teamwork in science and research, thus there is a possibility to continue education at doctoral studies while developing career in research centers.

> COURSE SCHEDULE

SEMESTER 1
Spring / Summer
Research Skills and Methodologies-1
Discrete Mathematics
Signal, Systems and Control
IT Applications in Business and Commerce
Information Systems Modeling
Computer Project Management
Social Communications
English/Polish Language
SEMESTER 2
Fall / Winter
Research Skills and Methodologies-2
Optimization Methods: Theory and Applications
Introduction to Computer Vision in Quality Control
Methods of Computational Intelligence and Decision Making
Modelling and Optimization of Computer Networks
Elective: Information Storage and Management, Games Designing and Programming-1
AIC – Diploma Seminar -1
Foreign Language
SEMESTER 3
Spring / Summer
Research Skills and Methodologies-3
Elective: Adaptive Control, Industrial Systems, Games Designing and Programming-2
Master Thesis Project
AIC- Diploma Seminar-2
Business



> ENTRY INFORMATION

Required:

Bachelor or Engineer Degree in Computer Engineering, or Electrical Engineering, or Systems, or related field. Each application is assessed individually on its merits. If in doubt, please contact the Admission Officer.

Deadline for application:

International students: 30th November 2015
 Polish students: check on www.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:

www.rekrutacja.pwr.edu.pl/en2/

Tuition fee: Non EU/EFTA students: 4000 EUR per year EU/EFTA students: no tuition fee

Application fee: Non EU/EFTA students: 200 EUR EU/EFTA students: 20 EUR

