

TYPE & FIELD OF STUDIES/**MSc in COMPUTER SCIENCE****PROGRAMME TITLE:****Applied Computer Science****Faculty/Department:**

Faculty of Physics, Mathematics & Computer Science

Erasmus subject code:

11.3

Duration:

2 academic years

ECTS credits:

120

Programme description:

Nowadays the Computer Science is present everywhere in a human life. Computers are commonly used for working, getting and broadcasting of information, data processing, production management, air- sea- and land traffic control, communication, multimedia and etc. People, who are familiar with modern information techniques, who are able to force computers for use all their possibilities, who know how to exploit capabilities of complex computer networks and who are willing to write programs for a new sophisticated applications are wanted for almost all branches of human activity. Our graduates may obtain a professional knowledge in these and many other problems connected with the use of computers. They will be able to work with project management, software engineering, implementation and management of modern informatics' systems. They will be also able to manage of data bases, internet services, computer systems and networks. They will know how to solve problems in these fields, starting from their analysis, building UML models, creation of algorithms and writing suitable software. Our graduates can get a job in big or small business, industry, telecommunication, administration, services, education, multimedia and many other places.

	Hours	ECTS	The program of studies:
1 Semester			
Knowledge Engineering and Expert Systems	60	6	
Computational Geometry	60	4	
Software Project Management	60	4	
Real-Time Systems	45	5	
High Performance Computing	60	6	
Computer Methods in Science	60	5	
2 Semester			
Distributed Databases	60	6	
Network Services Programming	45	6	
Modelling of Discrete Processes	45	4	
Computer Image Processing	60	6	
Cax Systems	60	5	
Neural Networks	30	3	
3 Semester			
Fuzzy Modelling	45	5	
Embedded and Mobile Systems	60	7	
Digital and Microprocessor Technology	60	6	
Computer Security	60	5	
Engineering Ethics	15	1	
Team Project	30	6	
4 Semester			
System Administration	45	5	
Diploma Seminar	30	5	
Diploma Thesis	0	20	

Web page:<http://www.pk.edu.pl/fmi>**Eligibility/Admission:**

Students who have completed Bachelor Program in Computer Science or related field and earned Bachelor's Degree

Tuition fee:

3000 Euro per year