COMPUTER SCIENCE – ADVANCED TECHNIQUES FOR INFORMATION PROCESSING (INFO - ATIP)

DEGREE TYPE UPON GRADUATION

Master’s Degree

DURATION

2 years (6 semesters)

TEACHING LANGUAGE

English

ECTS POINTS

120

PROGRAMME DESCRIPTION

The Master's degree programme "Advanced Techniques for Information Processing" by its mission is in line with the general mission of the University of Pitesti to create, valorise and disseminate knowledge by developing a research and teaching environment based on excellence, in which the attraction, development and promotion of scientific and teaching values are paramount. The Master's programme aims to deepen the undergraduate knowledge in order to achieve the competences and skills required by the complex and evolving IT market and the socio-economic environment, as well as to increase the skills in the field of scientific research and/or the pursuit of doctoral studies.

TUITION

EU citizens: 3500 RON (approx. € 750)

Non-EU citizens: € 2430

ENTRY REQUIREMENTS

Bachelor’s Diploma

REASONS TO CHOOSE THIS PROGRAMME

- High quality education
- Excellent development prospects
- Successful career

CAREER OPPORTUNITIES

- IT Software
- Economics
- Industry
- Education
- Banking

PROGRAMME DETAILS

I st YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	**ECTS**	**Type of assessment**	**Subjects**	**ECTS**	**Type of assessment**
Mathematical Modeling and Graph Theory	8	E	Computational Models with Applications in Econometrics and Actuarial Science	8	E
Ethics and academic integrity	3	C	Modern Techniques of Digital Image processing	8	E
Software Engineering	8	E	Advanced Database Systems	6	E
Optimization Techniques	5	C	Computational Intelligence	8	C
Computer Networks: Algorithms and Applications			Project Management		
Economic Linear Models	6	C			
Service Oriented Distributed Architectures					

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

II nd YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	**ECTS**	**Type of assessment**	**Subjects**	**ECTS**	**Type of assessment**
Pattern Recognition	6	E	Distributed Computing - Principles and Algorithms	8	E
Electronic Commerce and Marketing	6	C	Design and Implementation of Software Distributed Systems	8	E
Mathematical Methods in Signal Processing	8	E	Preparation of the Dissertation Thesis	4	V
System testing and validation	5	E	Professional Practice	4	V
Advanced Information Security Techniques			Cryptography and Security of Computer Networks	6	E
Economic Modelling Processes	5	C	Machine Learning		
Methods in Teaching Information Technology					

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

* V = test taken in the last two weeks of the semester (about 10% of the final grade)
* C = test taken in the last two weeks of the semester (about 30% of the final grade)
* E = exam taken during the exam period (at least 50% of the final grade)