

COMPUTER SCIENCE - MODELLING, DESIGN AND MANAGEMENT OF SOFTWARE SYSTEMS (INFO-MDMSS)

DEGREE TYPE UPON GRADUATION

Master's Degree

DURATION

2 years (6 semesters)

TEACHING LANGUAGE

Romanian

ECTS POINTS

120

PROGRAMME DESCRIPTION

The Master's degree programme "Modelling, design and management of software systems" 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 deepening the undergraduate knowledge in order to acquire the competences and skills required by the evolving and complex IT market and the socio-economic environment, as well as to increase skills in the field of scientific research and/or to pursue 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
Ethics and Academic Integrity	3	C	Econometrics and Risk Theory	8	E
Applications in Professional Database	7	E	Classification Techniques	8	E
Formal Methodologies for Specifying Program Systems	7	E	Informatics, Exposure Techniques and E-learning	6	C
Mathematical Modelling and Graph Theory	7	E	Systems of Differential Equations with Applications in Economics	8	E
Combinatorial Optimization and Decision Theory			Computational Intelligence		
Linear Economic Models	6	C			
Computer Networks					

* 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
Techniques of Machine Learning and Pattern Recognition	6	E	Principles and Algorithms of Parallel Computing	8	E
Software Engineering for the Development of Software Systems	8	C	Computing Models and Programming Methodologies	7	E
Techniques of Digital Signal Processing with Applications in Medical Imaging	5	E	Preparation of the Dissertation Paper	4	V
Techniques of Automated Testing and Validation for Software Systems	6	E	Professional Practice	4	V
Cryptography and Computer Network Security			Distributed Architectures Oriented to WEB Services	7	E
Electronic Commerce and Marketing	5	C	XML Techniques for the Integration of Software Applications		
Techniques of Advanced Data Mining for Extracting Information from Text					

* 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)