

COMPUTER SCIENCE



FACULTY OF SCIENCES, PHYSICAL EDUCATION AND COMPUTER SCIENCE



COMPUTER SCIENCE

DEGREE TYPE UPON GRADUATION:

Bachelor's degree

DURATION:

3 years (6 semesters)

LANGUAGE:

Romanian

ECTS POINTS:

180

PROGRAMME DESCRIPTION:

This programme equips students with the skills needed to contribute to the development of new applications in science, engineering, business or other fields. It provides an excellent environment for the student to improve their practical as well as their research skills. The highly qualified teachers train specialists in the field of computer science, at a level compatible with that of the European Union.

TUITION:

EU citizens: 3500 RON (approx. € 720)

Non-EU citizens: € 2430

ENTRY REQUIREMENTS:

-Baccalaureate Diploma

REASONS TO CHOOSE THIS PROGRAMME:

- The quality of education.
- Excellent personal development prospects.
- A successful career.

CAREER OPPORTUNITIES

- IT Software
- Economy
- Industry
- Education
- Banking



PROGRAMME DETAILS

I st YEAR OF STUDY					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Computer Systems Architecture	5	C	Databases	6	E
Algorithms and Data Structures	6	E	Computational Geometry	5	E
Fundamentals of Programming	6	E	Graph Algorithms	6	E
The Algebraic Foundations of Computer Science	5	E	Mathematical and Computational Logic	5	C
Mathematical Analysis	5	E	Object-oriented Programming	5	E
Physical Education**	3	V	Physical Education**	3	V
English Language	3	C	English Language	3	C
French Language			French Language		

II nd YEAR OF STUDY					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Database Management Systems	6	E	WEB Programming	5	E
Logical Programming	5	E	Neural Networks	5	E
Differential and Partial Derivative Equations	5	E	Verification and Validation of Software Systems	5	E
Design and Implementation of Algorithms	6	E	Probabilities and Statistics	5	E
Programming Environments and Tools	5	C	Advanced Programming Methods	5	C
Formal Methods in Computer Science			Industrial Experience	5	V
English Language	3	C			
French Language					

III rd YEAR OF STUDY					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Form of evaluation	Subjects	ECTS	Form of evaluation
Operating Systems	5	E	Artificial Intelligence	7	E
Algorithm Analysis	5	E	Software Engineering	5	E
Formal Languages and Automata Theory	5	E	Advanced Programming Techniques	7	E
Image Analysis and Processing	5	E	Computer Networks	6	C
Intelligent Robotics	5	C	Optimisation Techniques		
Mobile Application Development					
Numerical Calculation					
Computer Graphics	5	C			
Ethics and Academic Integrity					

*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)



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