

COMPUTER SCIENCE

DEGREE TO BE OBTAINED:

Bachelor's degree

DURATION:

3 years (6 semesters)

LANGUAGE:

Romanian

ECTS POINTS:

180

PROGRAMME DESCRIPTION:

The mission of the study programme is to create and disseminate knowledge, by developing a research and educational environment based on excellence, in which attracting, developing and promoting scientific and didactic values prevail. The highly qualified teachers train specialists in the field of computer science, at a level compatible with that of the European Union.

TUITION:

3500 RON (approx. 720 euro) for EU citizens/2430 euros for Non-EU citizens

ADMISSION REQUIREMENTS:

-Baccalaureate Diploma

3 REASONS TO CHOOSE THIS PROGRAMME:

- Educational quality,
- Excellent development perspectives,
- Successful career.

EMPLOYMENT AREAS UPON PROGRAMME COMPLETION:

- IT Software,
- Economy,
- Industry,
- Education,

● **Banking.**

I st YEAR OF STUDY					
I st SEMESTER			II nd SEMESTER		
Subjects	ECTS	Form of evaluation	Subjects	ECTS	Form of evaluation
Computer Systems Architecture	5	C	Database	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	Form of evaluation	Subjects	ECTS	Form of evaluation
Database Management Systems	6	E	WEB Programming	5	E
Logical Programming	5	E	Neural Networks	5	E
Differential and Partial Derivatives 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			Specialty Practice	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 and Automatic Languages	5	E	Advanced Programming Techniques	7	E
Image Analysis and Processing	5	E	Computer Networks	6	C
Intelligent Robots			Optimization Techniques		
Mobile Application Development	5	C			
Numerical Calculation	5	C			
Computer Graphics					
Ethics and Academic Integrity					

*V= evaluation during the semester

*C= colloquium

*E= exam