

# **MATHEMATICS (MATH)**

## **DEGREE TYPE UPON GRADUATION**

Bachelor's Degree

## **DURATION**

3 years (6 semesters)

## **TEACHING LANGUAGE**

Romanian

## **ECTS POINTS**

180

## **PROGRAMME DESCRIPTION**

The "Mathematics" bachelor's degree programme, through its assumed mission, is in line with the general mission of the University of Pitesti to create, value and disseminate knowledge, by developing a research and educational environment based on excellence, in which the attraction, development and promotion of scientific and teaching values are paramount. The mission of the bachelor's degree programme "Mathematics" is to train highly qualified specialists in the field of mathematics, at a level compatible with that of the European Union, as well as mathematics teachers .

## **TUITION**

EU citizens: 3500 RON (approx. € 750)

Non-EU citizens: € 2430

## **ENTRY REQUIREMENTS**

Baccalaureate Diploma

## **REASONS TO CHOOSE THIS PROGRAMME**

- Educational quality
- Excellent development prospects
- Successful career

## **CAREER OPPORTUNITIES**

- Economics

- Industry
- Education
- Banking
- IT Software

## PROGRAMME DETAILS

I <sup>st</sup> YEAR					
I <sup>st</sup> SEMESTER			II <sup>nd</sup> SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Mathematical Analysis I	6	E	Geometry	6	E
Algebra I	6	E	Mathematical Analysis II	6	E
Architecture of Computing Systems	5	C	Algebra II	6	E
Algorithms and Data Structures	6	E	Graphs and Combinatorics	5	E
Basics of Programming	5	E	Mathematical Logic	5	C
Physical Education**	3	V	Physical Education**	3	V
English language	2	C	English Language	2	C
French language			French Language		

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

II <sup>nd</sup> YEAR					
I <sup>st</sup> SEMESTER			II <sup>nd</sup> SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Differential Equations	6	E	Probability Theory	5	E
Mathematical Analysis III	6	E	Partial Differential Equations	5	E
Complex Analysis	6	E	Functional Analysis	5	E
Real Analysis: Measure Theory	6	E	Differential Geometry	5	E
Mathematical Software	4	C	Professional Practice	4	V
Discrete Mathematics			Theoretical Mechanics	4	C
English Language	2	C	Complements of Algebra		
French Language			English Language		
			French Language		

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III <sup>rd</sup> YEAR					
I <sup>st</sup> SEMESTER			II <sup>nd</sup> SEMESTER		
Subjects	ECTS	Type of assessment	Subjects	ECTS	Type of assessment
Numerical Analysis	5	E	History of Mathematics	7	C
Real Analysis II	5	E	Theory of Numbers	7	E
Group Theory	5	C	Elaboration of the Bachelor Thesis	5	V
Formal and Automatic Languages	5	E	Operational Research	5	E
Actuarial Mathematics	5	E	Optimization Techniques		
Computational Algebra	5	C	Techniques of Data Analysis	6	E
Mathematical Statistics			Neural Networks		
Ethics and Academic Integrity					

\* 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)