

PhD program in Mathematical Foundation for Computers (2013)

The total minimum required number of credits:	91 credits
- Coursework:	21 credits
+ Basic courses:	09 credits
• Required:	06 credits
• Elective:	03/6 credits
+ Advanced foreign languages for academic purposes:	04 credits
+ Advanced courses:	06/12 credits
+ Overview:	02 credits
- Research	
- PhD Thesis:	70 credits

Available curriculum :

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
I	Part 1. Coursework						
I.1	Basic courses		9				
I.1.1	Required		6				
1	MAT8180	<i>Advanced Topics in Data Mining</i>	3	15		30	
2	MAT8181	<i>Advanced Topics in the Theory of Computation</i>	3	15		30	
I.1.2	Elective		3/6				
3	MAT8182	<i>Advanced Topics in Discrete Mathematics and Applications</i>	3	15		30	
4	MAT8183	<i>Advanced Topics in Scientific Computing</i>	3	15		30	

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
I.2	Advanced foreign languages for academic purposes (choose one of languages below):		4				
5	ENG 8001	<i>Advanced English for Academic Purposes</i>	4			60	
	RUS 8001	<i>Advanced Russian For Academic Purposes</i>	4			60	
	FRE 8001	<i>Advanced French For Academic Purposes</i>	4			60	
	WES 8001	<i>Advanced General For Academic Purposes</i>	4			60	
	CHI 8001	<i>Advanced Chinese For Academic Purposes</i>	4			60	
I.3	Advanced courses		6/12				
6	MAT8183	<i>Advanced Topics in Scientific Computing</i>	3	15		30	
7	MAT8184	<i>Advanced Topics in Artificial Intelligence</i>	3	15		30	
8	MAT8185	<i>Advanced Topics in Computing Systems</i>	3	15		30	
9	MAT8186	<i>Advanced Topics in Software Development and Programming Languages</i>	3	15		30	
I.4	Overview		2				
10	MAT8187	<i>Research Perspective Report</i>	2			30	
III	Part 2. Research (research planning, publishing ...)						
IV	Part 3. Doctoral Thesis						
11	MAT9009	<i>Ph.D thesis</i>	70				
		Total	91				