

Transilvania University of Braşov, Romania

Study program: Informatics

Faculty: Mathematics and Computer Science

Study period: 3 years (bachelor)

Course title	Code	No. of credits	Number of hours per week			
			course	seminar	laboratory	project
Mathematical Analysis	AP01_ID	6	42	8	20	
Basic Algebra for computer science	AG13_ID	5	28	8	20	
Basic algorithms	IT11_ID	6	28	4	10	28
Basic programming	IT12_ID	6	28			28
Mathematical and computational logic	IT13_ID	5	28	4	10	
English Language (1)	MIE1_ID	2	14	4	10	
French Language (1)						
Spanish Language (1)						
German Language (1)						
Linear algebra, analytic and differential geometry	AG03_ID	5	28	8	20	
Architecture of computing systems	IT21_ID	5	28	4	10	14
Object oriented programming	IT22_ID	6	28		28	
Data structures	IT23_ID	6	28		28	
Operating systems	IA21_ID	6	28		28	
English Language (2)	MIE2_ID	2	8	20		
French Language (2)						
Spanish Language (2)						
German Language (2)						
Scientific and professional communication	AG14_ID	5	28	8	20	
Graph algorithms	IT31_ID	6	28	4	10	14
Formal languages and compilers	IT32_ID	6	28	4	10	14
Programming tools and environments	IA31_ID	6	28		28	
Databases	IT33_ID	5	28		28	
English Language (3)	MIE3_ID	2	14	4	10	
French Language (3)						
German Language (3)						
Spanish Language (3)						
Automaton, calculability, complexity	IT41_ID	6	28	4	10	14
Distributed databases	IT42_ID	5	28		28	
Visual programming environments	IA43_ID	6	28		28	
Computer networks	IA44_ID	6	28		28	
English Language (4)	MIE4_ID	2		8	20	
French Language (4)						
German Language (4)						
Spanish Language (4)						

Optional (1)	IA42_ID	5	28		28	
Operations Research	IT51_ID	5	28	4	10	14
Distributed programming	IT52_ID	5	28		28	
Software Engineering	IA51_ID	5	28		28	
Web Technologies	IA57_ID	5	28		28	
Practical Placements	IT53_ID	5	20	3	7	10
Probabilities and Statistics	AP07_ID	5	20		20	
Artificial Intelligence	IA56_ID	5	20		20	
IT Project Management	IA62_ID	5	20		20	
Practical Placements	IT61_ID	5				40
Optional (2)	IA02_ID	5	20		20	
Optional (3)	IA61_ID	5	20		20	
Optional (4)	IA04_ID	5	20		20	