

CURRICULUM
First year

Nr. crt.	Mandatory disciplines	Code	SEMESTER 1					SEMESTER 2					Obs.
			C	S	L	Verification form	Credit numbers	C	S	L	Verification form	Credit numbers	
OBLIGATORII													
1.	Mathematical analysis (Analysis onto R)	3906F01I001	2	2	-	E	5						
2.	Algebra 1 (Linear algebra)	3906F01I002	2	2	-	E	5						
3.	Geometry 1	3906F01I003	2	2	-	E	6						
4.	Algoritms and data strutures	3906F01I004	2	-	2	C	4						
5.	Procedural programming	3906F01I005	2	-	2	C	4						
6.	Computers architecture	3906F01I006	2	-	2	E	4						
7.	Mathematical analysis 2 (Analysis onto R)	3906F02I007						2	2	-	E	5	
8.	Algebra 2 (Algebraic structures)	3906F02I008						2	2	-	E	5	
9.	Geometry 2	3906F02I009						2	2	-	E	4	
10.	Object Oriented programming	3906F02I010						2	-	2	C	4	
11.	Mathematical and computational logic	3906D02I011						2	-	2	E	5	
12.	Aritmetic and number theory	3906D02I012						2	2	-	C	5	
	TOTAL		12	6	6	4E +2C	28	12	8	4	4E +2C	28	
	Total hours/week/credits		24				28	24				28	
Other obligatory mandatory disciplines													
13	Foreign language 1 English 1	3906C01I013	-	2	-	C	2						
14..	Foreign language 2 English 1	3906C02I014						-	2	-	C	2	
15.	Physical education 1	3906C01I015	-	2	-	C	0						
16.	Physical education 2	3906C02I016						-	2	-	C	0	
	TOTAL		-	4	-	2C	2	-	4	-	2C	2	
Facultative disciplines													
17.	Interfața cu calculatorul și comunicare Internet	3906S02F017	2	-	1	C	4	-	-	-	-	-	
18.	Discipline DPPD												

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CURRICULUM
 Second year

Nr. crt.	Mandatory disciplines	Cod disciplină	SEMESTER 1					SEMESTER 2					Obs.
			C	S	L	Verification form	Credit numbers	C	S	L	Verification form	Credit numbers	
DISCIPLINE OBLIGATORII (de bază)													
1.	Mathematical analysis 3	3906F03I001	2	2	-	E	5						
2.	Geometry 3	3906F03I002	2	2	-	C	4						
3.	Algebra 3	3906F03I003	2	2	-	E	5						
4.	Operating systems	3906F03I004	2	-	2	E	5						
5.	Formal and automatic language	3906F03I205	2	-	2	C	4						
6.	Optional course 1	3906F03O006	2	2	-	E	5						
7.	Real functions measure theory	3906D04I007						2	2	-	E	4	
8.	Computers network	3906D04I008						2	-	2	E	6	
9.	Complex analysis	3906D04I009						2	2	-	C	4	
10.	Numerical analysis	3906D04I010						2	-	2	E	4	
11.	Mathematical software	3906F04I011						2	-	2	E	4	
12.	Partial differential equations	3906S04I012						2	2	-	C	4	
	TOTAL		12	8	4	4 E + 2 C	28	12	6	6	4E + 2 C	26	
	Total hours/week/credits		24				28	24				26	
ALTE DISCIPLINE OBLIGATORII													
13.	Foreign language 3 English 3	3906C03I013	-	2	-	C	2						
14.	Foreign language 4 English 4	3906C04I014	-	-	-	-	-	-	2	-	C	2	
15.	Physical education 1	3906C03I015	-	2	-	C	0	-	-	-	-	-	
16.	Physical education 2	3906C03I016	-	-	-	-	-	-	2	-	C	0	
17.	IT Practice	3906C04I017						-	-	4	C	2	
Facultative disciplines													
18.	History of mathematics	3906D03F016	2	2	-	C	4	-	-	-	-	-	
19.	Discipline DPPD												

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CURRICULUM
 Third year

Nr. crt.	Mandatory disciplines	Cod disciplină	SEMESTER 1						SEMESTER 2						Obs.
			C	S	L	P	Verificati on form	Credit numbers	C	S	L	P	Verificat ion form	Credit numbers	
DISCIPLINE OBLIGATORII (de bază)															
1.	Operational research	3906F05I001	2	2	1		E	6							
2.	Databases	3906D05I202	2	-	2		E	5							
3.	Theoretical mechanics	3906F05I003	2	2	-		E	5							
4.	Functional analysis and approximation theory	3906D05I004	2	2	-		E	5							
5.	Statistics and probability	3906D05I205	2	-	2		C	5							
6.	Theory of Error Control Coding	3906S05O006	2	1	-		C	4							
7.	Algoritms for graph	3906D06I207							2	-	2		E	6	
8.	Complements of elementary mathematics 1	3906S06O008							2	-	2		E	6	
9.	Artificial intelligence	3906D06I209							2	-	2		E	6	
10.	Optional course 4	3906S06O110							2	2	-		C	4	
11.	Optional course 5	3906S06O211							2	-	2		C	4	
12.	Optional course 6	3906S06O212							2	2	-		C	4	
TOTAL			12	7	5		4E + 2 C	30	12	4	8		3 E + 3C	30	
Total hours/week/credits			24					30	24					30	
Facultative disciplines															
13.	WEB technologies	3906C05F013	-	-	-	-	-	-	2	-	1	-	C	5	
14.	Discipline DPPD														

Optional course 1

1. Differential equations
2. Dynamic systems

Optional course 2

1. Mathematically models in informatics
2. Theory of Error control Coding

Optional course 3

1. Complements of elementary mathematics 1
2. Elements of fractal theory

Optional course 4

1. **Complements of elementary mathematics 2**
2. **Numeric methods for Differential Equations**

Optional course 5

1. **Medii vizuale de programare**
2. **Multimedia applications**

Optional course 6

1. **Finite operator calculus**
2. **Geometric function theory**

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