

Domeniul fundamental (DFI): STIINTE INGINERESTI
Ramura de știință (RSI): INGINERIA SISTEMELOR, CALCULATORARE SI TEHNOLOGIA INFORMATIEI
Domeniul de licență (DL): COMPUTERS AND INFORMATION TECHNOLOGY

Cod DFI	CodRSI	CodDL	CodS
20	60	10	10

ciclul	c1c2c3	a1a2
L	000	20

CURRICULUM
Academic year 2020 - 2021

	1 st YEAR								2 nd YEAR																											
	SEMESTER 1				SEMESTER 2				SEMESTER 3				SEMESTER 4																							
1	Calculus				Computer assisted mathematics				System theory and automatization				Algorithm design and analysis																							
	L000.20.01.F1	5	E	28	28	0	0	DF	64	L000.20.02.F1	5	D	28	0	28	0	DF	64	L000.20.03.D1	5	D	28	0	28	0	DD	64	L000.20.04.D1	6	E	42	0	28	0	DD	74
2	Algebra and geometry				Special mathematics (Probabilities and statistics)				Data structures and algorithms				Software engineering fundamentals																							
	L000.20.01.F2	5	E	28	28	0	0	DF	64	L000.20.02.F2	6	E	42	28	0	0	DF	74	L000.20.03.D2	5	E	28	0	28	0	DD	64	L000.20.04.D2	5	E	28	0	28	0	DD	64
3	Physics				Electrical engineering fundamentals				Object-oriented programming				Computer organization																							
	L000.20.01.F3	6	D	42	14	14	0	DF	74	L000.20.02.F3	3	E	28	0	14	0	DF	30	L000.20.03.D3	6	E	42	0	28	0	DD	74	L000.20.04.D3	5	E	28	0	28	14	DD	64
4	Computer programming				Programming techniques				Computer architecture				Operating systems																							
	L000.20.01.F4	6	E	42	0	42	0	DF	60	L000.20.02.F4	5	E	28	0	28	0	DF	64	L000.20.03.D4	6	E	42	0	28	0	DD	74	L000.20.04.D4	5	E	28	0	28	0	DD	64
5	Logic and discrete structure				Digital logic				Digital circuits and signals				Computer networks																							
	L000.20.01.F5	5	E	28	28	0	0	DF	64	L000.20.02.D5	5	E	28	0	28	0	DD	64	L000.20.03.D5	5	E	28	0	28	0	DD	64	L000.20.04.D5	6	E	42	0	28	0	DD	74
6	Foreign languages 1				Electronic devices and measurements				Communication				Culture and civilization																							
	L000.20.01.C6	2	D	14	14	0	0	DC	20	L000.20.02.F6	3	D	28	0	14	0	DF	30	L000.20.03.C6	2	D	28	14	0	0	DC	6	L000.20.04.C6	2	D	14	14	0	0	DC	20
7	Sports 1				Foreign languages 2				Sports 3				Sports 4																							
	L000.20.01.C7	1	D	0	14	0	0	DC	10	L000.20.02.C7	2	D	14	14	0	0	DC	20	L000.20.03.C7	1	D	0	14	0	0	DC	10	L000.20.04.C7	1	D	0	14	0	0	DC	10
8	Optional - choose from any specialization curriculum				Sports 2				Optional - choose from any specialization curriculum				Optional - choose from any specialization curriculum																							
	L000.20.01.f8							f		L000.20.02.C8	1	D	0	14	0	0	DC	10	L000.20.03.f8							f		L000.20.04.f8-ij						f		
9					Optional - choose from any specialization curriculum																															
										L000.20.02.f9-ij							f																			
total/sem.	ore:	364		VPI:		356		ore:	364		VPI:		356		ore:	364		VPI:		356		ore:	364		VPI:		370									
	credite:	30		evaluări:		4E, 3D		credite:	30		evaluări:		4E, 3D		credite:	30		evaluări:		4E, 3D		credite:	30		evaluări:		4E, 3D									
total/săpt.	ore:	26						ore:	26						ore:	26						ore:	26													
	din care:	13		9		4		0		(c, s, l, p)		din care:	14		4		8		0		(c, s, l, p)		din care:	14		2		10		1		(c, s, l, p)				

Professional competencies:

- Operating with scientific, engineering and IT fundamentals
- Designing hardware, software and communication components
- Problem solving by using computer science and engineering tools
- Improving the performance of hardware, software and communication systems
- Designing, managing the life cycle, integrating and managing the integrity of hardware, software and communication systems
- Designing intelligent systems

Transversal competencies:

- Behaving honorably, responsibly and ethical, according to the law, to ensure problem solving
- Identifying, describing and executing the processes of project management, by fulfilling various roles within the team, and describing the results in the field of activity, in a clear and concise manner, verbal and in writing, using the Romanian language and an international language
- Proving action and initiative spirit to get current with the knowledge at professional, economic and management levels

