

Domeniul fundamental (DFI): ȘTIINȚE INGINERESTI  
Ramura de știință (RSI): INGINERIA SISTEMELOR, CALCULATOARE ȘI TEHNOLOGIA INFORMAȚIEI  
Domeniul de licență (DL): COMPUTERS AND INFORMATION TECHNOLOGY  
Specializarea (S): COMPUTERS

Cod DFI	CodRSI	CodDL	CodS
20	60	10	10

ciclul	c1c2c3	a1a2
L	002	16

CURRICULA  
Academic year 2016 - 2017

		3 <sup>th</sup> YEAR										4 <sup>th</sup> YEAR																			
		SEMESTER 5					SEMESTER 6					SEMESTER 7					SEMESTER 8														
1	Computer networks	L002.16.05.D1   4   E   28   0   28   0   DD   38					Artificial intelligence fundamentals					Elective 7 (is selected from positions 1-4 of list)					Elective 13 (is selected from positions 1-4 of list)														
							L002.16.06.D1   4   E   28   0   28   0   DD   38					L002.16.07.SX-ij   5   E   28   0   28   0   DS   64					L002.16.08.SX-ij   4   E   28   0   14   0   DS   52														
2	Computer engineering fundamentals	L002.16.05.D2   4   E   28   0   14   14   DD   38					Embedded systems					Elective 8 (is selected from positions 1-7 of list)					Elective 14 (is selected from positions 1-8 of list)														
							L002.16.06.D2   4   E   28   0   14   14   DD   38					L002.16.07.SY-ij   5   E   28   0   28   0   DS   64					L002.16.08.SY-ij   4   E   28   0   14   0   DS   52														
3	Operating systems	L002.16.05.D3   4   E   28   0   28   0   DD   38					Computer graphics					Elective 9 (is selected from positions 1-7 of list)					Elective 15 (is selected from positions 1-8 of list)														
							L002.16.06.D3   4   E   28   0   14   14   DD   42					L002.16.07.SZ-ij   5   E   28   0   28   0   DS   64					L002.16.08.SZ-ij   4   E   28   0   14   0   DS   52														
4	Digital microsystems design	L002.16.05.D4   4   E   28   0   14   14   DD   38					Elective 4 (is selected from positions 1 and 2 of list)					Elective 10 (is selected from positions 1-7 of list)					Elective 16 (is selected from positions 1-8 of list)														
							L002.16.06.D4-ij   4   E   28   0   28   0   DD   38					L002.16.07.SU-ij   5   E   28   0   28   0   DS   64					L002.16.08.SU-ij   4   E   28   0   14   0   DS   52														
5	Management and marketing	L002.16.05.F5   4   D   28   28   0   0   DF   18					Elective 5 (is selected from positions 3-6 of list)					Elective 11 (is selected from positions 8-10 of list)					Development of diploma thesis <sup>1)</sup>														
							L002.16.06.SX-ij   4   D   28   0   28   0   DS   38					L002.16.07.SV-ij   5   D   28   0   28   0   DS   64					L002.16.08.S5   4   D         196   DS														
6	Elective 2 (is selected from positions 1 and 2 of list)	L002.16.05.SX-ij   4   D   28   0   28   0   DS   38					Elective 6 (is selected from positions 3-6 of list)					Elective 12 (is selected from positions 8-10 of list)					Diploma exam <sup>2)</sup>														
							L002.16.06.SY-ij   4   D   28   0   28   0   DS   38					L002.16.07.SW-ij   5   D   28   0   28   0   DS   64					L002.16.08.S6   10   E         0   DS														
7	Elective 3 (is selected from positions 1-3 of list)	L002.16.05.SY-ij   4   D   28   0   28   0   DS   38										Diploma project					Optional - choose from other specialization's curricula														
												L002.16.07.S7       0   0   0   28   DS					L002.16.08.f7                   f														
8	Applied activities (60 hours)	L002.16.05.D8   2   C           DD   60					Applied activities (180 hours)																								
							L002.16.06.D8   6   C           DD   180																								
9	Optional - choose from other specialization's curricula	L002.16.05.f9-ij                   f					Optional - choose from other specialization's curricula																								
							L002.16.06.f9-ij                   f																								
total/ sem.	ore:	392					VPI: 306					ore: 364					VPI: 384					ore: 364					VPI: 208				
	credite:	30					evaluări: 4E, 3D, 1C					credite: 30					evaluări: 4E, 2D, 1C					credite: 30					evaluări: 5E, 1D				
total/ săpt.	ore:	28					ore: 24					ore: 26					ore: 26														
	din care:	14   2   10   2   (c, s, l, p)					din care: 12   0   10   2   (c, s, l, p)					din care: 12   0   12   2   (c, s, l, p)					din care: 8   0   4   14   (c, s, l, p)														

1) lasting 7 weeks x 28 hours of which 2 weeks x 28 hours internship

2) consists of: fundamental and speciality knowledge assesment, diploma exam

**DISCIPLINE OPTIONALE (ELECTIVE DISCIPLINES)**  
Academic year 2016 - 2017

		3 <sup>th</sup> YEAR										4 <sup>th</sup> YEAR																							
		SEMESTER 5					SEMESTER 6					SEMESTER 7					SEMESTER 8																		
01	Elective 2,3 - Large scale integrated circuits					Elective 4 - Digital signal processing					Elective 7,8,9,10 - Peripheral interfaces and devices					Elective 13,14,15,16 - Reconfigurable computing																			
	L002.16.05.S#-01	4	D	28	0	28	0	DS	38	L002.16.06.D4-01	4	E	28	0	28	0	DD	38	L002.16.07.S#-01	5	E	28	0	28	0	DS	64	L002.16.08.S#-01	4	E	28	0	14	0	DS
02	Elective 2,3 - Software systems design					Elective 4 - Compilation techniques					Elective 7,8,9,10 - Digital telecommunication					Elective 13,14,15,16 - Computer systems reliability																			
	L002.16.05.S#-02	4	D	28	0	28	0	DS	38	L002.16.06.D4-02	4	E	28	0	28	0	DD	38	L002.16.07.S#-02	5	E	28	0	28	0	DS	64	L002.16.08.S#-02	4	E	28	0	14	0	DS
03	Elective 3 - WEB application design					Elective 5,6 - Microprocessor systems					Elective 7,8,9,10 - Modeling and simulation					Elective 13,14,15,16 - Expert systems																			
	L002.16.05.S#-03	4	D	28	0	28	0	DS	38	L002.16.06.S#-03	4	D	28	0	28	0	DS	38	L002.16.07.S#-03	5	E	28	0	28	0	DS	64	L002.16.08.S#-03	4	E	28	0	14	0	DS
04						Elective 5,6 - Computer engineering					Elective 7,8,9,10 - Software verification and validation					Elective 13,14,15,16 - Software project management																			
										L002.16.06.S#-04	4	D	28	0	28	0	DS	38	L002.16.07.S#-04	5	E	28	0	28	0	DS	64	L002.16.08.S#-04	4	E	28	0	14	0	DS
05						Elective 5,6 - Complexity and computability					Elective 8,9,10 Mobile systems and applications					Elective 14,15,16 - Data mining																			
										L002.16.06.S#-05	4	D	28	0	28	0	DS	38	L002.16.07.S#-05	5	E	28	0	28	0	DS	64	L002.16.08.S#-05	4	E	28	0	14	0	DS
06						Elective 5,6 - Design and architecture of complex software systems					Elective 8,9,10 - Computer aided design					Elective 14,15,16 - Fuzzy logic and applications																			
										L002.16.06.S#-06	4	D	28	0	28	0	DS	38	L002.16.07.S#-06	5	E	28	0	28	0	DS	64	L002.16.08.S#-06	4	E	28	0	14	0	DS
07											Elective 8,9,10 - Database design					Elective 14,15,16 - Distributed Programming																			
																			L002.16.07.S#-07	5	E	28	0	28	0	DS	64	L002.16.08.S#-07	4	E	28	0	14	0	DS
08											Elective 11,12 - Computer security					Elective 14,15,16 - Multimedia systems																			
																			L002.16.07.S#-08	5	D	28	0	28	0	DS	64	L002.16.08.S#-08	4	E	28	0	14	0	DS
09											Elective 11,12 - Concurrent and event-based programming																								
																			L002.16.07.S#-09	5	D	28	0	28	0	DS	64								
10											Elective 11,12 - Communications and wireless networks																								
																			L002.16.07.S#-10	5	D	28	0	28	0	DS	64								
11																																			
12																																			

**Nota:** Din fiecare dintre grupurile de **Discipline optionale** se activează un număr de discipline în funcție de opțiunile studenților, de numărul studenților și de acoperirea financiară.

