

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	 15

CURRICULA
Academic year 2015 - 2016

	3 th YEAR												4 th YEAR																							
	SEMESTER 5						SEMESTER 6						SEMESTER 7						SEMESTER 8																	
1	Computer networks						Artificial intelligence fundamentals						Elective 7 (is selected from positions 1-4 of list)						Elective 13 (is selected from positions 1-4 of list)																	
	L002.15.05.D1	4	E	28	0	28	0	DD	38	L002.15.06.D1	4	E	28	0	28	0	DD	38	L002.15.07.SX-ij	5	E	28	0	28	0	DS	64	L002.15.08.SX-ij	4	E	28	0	14	0	DS	52
2	Computer engineering fundamentals						Embedded systems						Elective 8 (is selected from positions 1-7 of list)						Elective 14 (is selected from positions 1-8 of list)																	
	L002.15.05.D2	4	E	28	0	14	14	DD	38	L002.15.06.D2	4	E	28	0	14	14	DD	38	L002.15.07.SY-ij	5	E	28	0	28	0	DS	64	L002.15.08.SY-ij	4	E	28	0	14	0	DS	52
3	Operating systems						Computer graphics						Elective 9 (is selected from positions 1-7 of list)						Elective 15 (is selected from positions 1-8 of list)																	
	L002.15.05.D3	4	E	28	0	28	0	DD	38	L002.15.06.D3	4	E	28	0	14	14	DD	42	L002.15.07.SZ-ij	5	E	28	0	28	0	DS	64	L002.15.08.SZ-ij	4	E	28	0	14	0	DS	52
4	Digital microsystems design						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)																	
	L002.15.05.D4	4	E	28	0	14	14	DD	38	L002.15.06.D4-ij	4	E	28	0	28	0	DD	38	L002.15.07.SU-ij	5	E	28	0	28	0	DS	64	L002.15.08.SU-ij	4	E	28	0	14	0	DS	52
5	Management and marketing						Elective 5 (is selected from positions 3-6 of list)						Elective 11 (is selected from positions 8-10 of list)						Development of diploma thesis*																	
	L002.15.05.F5	4	D	28	28	0	0	DF	18	L002.15.06.DX-ij	4	D	28	0	28	0	DS	38	L002.15.07.SV-ij	5	D	28	0	28	0	DS	64	L002.15.08.S5	4	D			196	DS		
6	Elective 2 (is selected from positions 1 and 2 of list)						Elective 6 (is selected from positions 3-6 of list)						Elective 12 (is selected from positions 8-10 of list)						Diploma exam**																	
	L002.15.05.SX-ij	4	D	28	0	28	0	DS	38	L002.15.06.SY-ij	4	D	28	0	28	0	DS	38	L002.15.07.SW-ij	5	D	28	0	28	0	DS	64	L002.15.08.6	10	E			0			
7	Elective 3 (is selected from positions 1-3 of list)												Diploma project						Optional - choose from other specialization's curricula																	
	L002.15.05.SY-ij	4	D	28	0	28	0	DS	38										L002.15.07.S7		0	0	0	28	DS		L002.15.08.f7						f			
8	Applied activities (60 hours)						Applied activities (180 hours)						Optional - choose from other specialization's curricula																							
	L002.15.05.D8	2	C					DD	60	L002.15.06.D8	6	C					DD	180	L002.15.07.f8						f											
9	Optional - choose from other specialization's curricula						Optional - choose from other specialization's curricula																													
	L002.15.05.f9-ij							f		L002.15.06.f9-ij							f																			
total/sem.	ore:	392		VPI:		306		ore:	336		VPI:		412		ore:	364		VPI:		384		ore:	364		VPI:		208									
	credite:	30		evaluări:		4E, 3D, 1C		credite:	30		evaluări:		4E, 2D, 1C		credite:	30		evaluări:		4E, 2D		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)												

*lasting 7 weeks x 28 hours of which 2 weeks x 28 hours internship **consists of: fundamental and speciality knowledge assesment, diploma exam

DISCIPLINE OPTIONALE (ELECTIVE DISCIPLINES)
Academic year 2015 - 2016

		3 th YEAR										4 th 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																			
	L002.15.05.S#-01	4	D	28	0	28	0	DS	38	L002.15.06.D4-01	5	E	28	0	28	0	DD	38	L002.15.07.S#-01	5	E	28	0	28	0	DS	64	L002.15.08.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																			
	L002.15.05.S#-02	4	D	28	0	28	0	DS	38	L002.15.06.D4-02	5	E	28	0	28	0	DD	38	L002.15.07.S#-02	5	E	28	0	28	0	DS	64	L002.15.08.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																			
	L002.15.05.S#-03	4	D	28	0	28	0	DS	38	L002.15.06.S#-03	4	D	28	0	28	0	DS	38	L002.15.07.S#-03	5	E	28	0	28	0	DS	64	L002.15.08.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																			
										L002.15.06.S#-04	4	D	28	0	28	0	DS	38	L002.15.07.S#-04	5	E	28	0	28	0	DS	64	L002.15.08.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																			
										L002.15.06.S#-05	4	D	28	0	28	0	DS	38	L002.15.07.S#-05	5	E	28	0	28	0	DS	64	L002.15.08.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																			
										L002.15.06.S#-06	4	D	28	0	28	0	DS	38	L002.15.07.S#-06	5	E	28	0	28	0	DS	64	L002.15.08.S#-06	4	E	28	0	14	0	DS
07											Elective 8,9,10 - Database design					Elective 14,15,16 - Distributed Programming																			
																			L002.15.07.S#-07	5	E	28	0	28	0	DS	64	L002.15.08.S#-07	4	E	28	0	14	0	DS
08											Elective 11,12 - Computer security					Elective 14,15,16 - Multimedia systems																			
																			L002.15.07.S#-08	5	D	28	0	28	0	DS	64	L002.15.08.S#-08	4	E	28	0	14	0	DS
09											Elective 11,12 - Concurrent and event-based programming																								
																			L002.15.07.S#-09	5	D	28	0	28	0	DS	64								
10											Elective 11,12 - Communications and wireless networks																								
																			L002.15.07.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.

DISCIPLINE OPTIONALE (ELECTIVE DISCIPLINES)
Academic year 2015 - 2016

		3 th YEAR										4 th YEAR																																
		SEMESTER 5					SEMESTER 6					SEMESTER 7					SEMESTER 8																											
01	Computer assisted instruction						Classroom management										Volunteering																											
	L002.15.05.f9-01	2	C	14	14	0	0	f	24	L002.15.06.f9-01	3	E	14	14	0	0	f	40						L002.15.08.f7	2	C	0	0	28	0	f													
02	Pedagogical practice in compulsory secondary school (1)						Pedagogical practice in compulsory secondary school (2)																																					
	L002.15.05.f9-02	3	C	0	0	0	42	f	26	L002.15.06.f9-02	2	C	0	0	0	36	f	6																										
03							Volunteering																																					
							L002.15.06.f9-03	2	C	0	0	28	0	f																														
total/sem.	ore:	70					VPI:	50					ore:	92					VPI:	46					ore:	0					VPI:	0												
	credite:	5					evaluări:	2C					credite:	7					evaluări:	1E, 2C					credite:	2					evaluări:	1C												
total/săpt.	ore:	5										ore:	7										ore:	0																				
	din care:						1	1	0	3	(c, s, l, p)	din care:						1	1	2	3	(c, s, l, p)	din care:						0	0	0	0	(c, s, l, p)	din care:						0	0	2	0	(c, s, l, p)

Legenda										
Nume disciplina										
Cod	nc	FE	c	s	l	p	CF	VPI		
<p>Cod = cod disciplina nc = nr.credite transferabile FE = forma de evaluare FE ∈ {E, D, C, P-E, P-D} E=examen D=evaluare distribuita C=colocviu P - E - proiect autonom cu examinare ca si in cazul disciplinelor cu examen P - D - proiect autonom cu examinare ca si in cazul disciplinelor cu evaluare distribuita c=nr.ore curs/semestru</p>										
<p>s=nr.ore seminar l=nr.ore laborator p=nr.ore proiect CF=categorii formative careia ii apartine disciplina CF ∈ {DC, DD, DF, DS} DC - disciplina complementara DD - disciplina in domeniu DF - disciplina fundamentala DS - disciplina de specialitate VPI = volum de ore necesar pregatirii individuale Exemplu</p>										
Analiza matematica										
Cod	4	E	28	28	0	0	DF	60		

RECTOR,
Prof.univ.dr.ing.Viorel-Aurel ȘERBAN

DECAN,
prof.dr.ing. Horia CIOCARLIE