

COURSE CODE AND TITLE		Year: I										Method of Assessment			Nr. Of Hours/Discipline				ECTS/Sem		Discipline		
		SEM 1 14 weeks					SEM 2 14 weeks																
		C	S	L	P	PR	C	S	L	P	PR	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type	
1.00	Mathematical Analysis I (Differential Calculus)	2	2	0	0	0							Gr		100	28	28	44	4.0		DF	DOB	
2.00	Linear Algebra and Analytical Geometry	2	2	0	0	0							Gr		100	28	28	44	4.0		DF	DOB	
3.00	Special Mathematics	2	2	0	0	0							Gr		125	28	28	69	5.0		DF	DOB	
4.00	Logic Design	2	0	2	0	0							Gr		125	28	28	69	5.0		DF	DOB	
5.00	Computer Programming	2	1	2	0	0							Gr		150	28	42	80	6.0		DF	DOB	
6.00	Physics	2	0	1	0	0							Gr		100	28	14	58	4.0		DF	DOB	
7.10	English I	0	2	0	0	0							Gr		50	0	28	22	2.0		DC	DOP	
7.20	French I	0	2	0	0	0							Gr		50	0	28	22	2.0		DC	DOP	
7.30	German I	0	2	0	0	0							Gr		50	0	28	22	2.0		DC	DOP	
8.00	Mathematical Analysis II (Integral and Differential Calculus)						2	2	0	0	0		Gr		125	28	28	69	5.0		DF	DOB	
9.00	Assembly Language Programming						2	0	2	0	0		Gr		100	28	28	44	4.0		DS	DOB	
10.00	Electrotechnics						3	0	1	0	0		Gr		125	42	14	69	5.0		DF	DOB	
11.00	Digital System Design						3	0	2	0	0		Gr		150	42	28	80	6.0		DF	DOB	
12.00	Data Structures and Algorithms						3	0	2	0	0		Gr		150	42	28	80	6.0		DF	DOB	
13.10	English II						0	2	0	0	0		Gr		50	0	28	22	2.0		DC	DOP	
13.20	French II						0	2	0	0	0		Gr		50	0	28	22	2.0		DC	DOP	
13.30	German II						0	2	0	0	0		Gr		50	0	28	22	2.0		DC	DOP	
14.00	Sports I						0	2	0	0	0		A/R		50	0	28	22	2.0		DC	DOB	
TOTAL PER YEAR		12	9	5	0	0	13	6	7	0	0	sem1	5	2	0	1500	350	378	772	30.0	30.0		
					26.0					26.0		sem2	5	1	1								

101.00	Fundamentals of Electronic Circuits	2	1	1	0	0						Gr				125	28	28	69	5.0		DF	DFA
200.00	Educational Psychology	2	2	0	0	0						Gr				125	28	28	69	5.0		DC	DFA
301.00	Volunteering 1	0	1	0	0	0						A/R				50	0	14	36	2.0		DC	DFA
102.00	Chemistry						2	0	2	0	0	Gr				100	28	28	44	4.0		DF	DFA
201.00	Pedagogy 1 (The Fundamentals of Pedagogy, Curriculum Theory and Methodology)						2	2	0	0	0	Gr				125	28	28	69	5.0		DC	DFA
302.00	Volunteering 2						0	1	0	0	0	A/R				50	0	14	36	2.0		DC	DFA
TOTAL YEAR		4	4	1	0	0	4	3	2	0	0	sem1	1	1	1	575	112	140	323	12.0	11.0		
					9.0					9.0		sem2	2	0	1								

FACULTY OF Faculty of Automation and Computer Science
Domain Computer Science and Information Technology
Program Name Computer Science (in English Language)
Study Level License

CURRICULA Valid for the Academic Year 2026-2027

Pag. 2

COURSE CODE AND TITLE		Year: II										Method of Assessment			Nr. Of Hours/Discipline				ECTS/Sem		Discipline		
		SEM 1 14 weeks					SEM 2 14 weeks																
		C	S	L	P	PR	C	S	L	P	PR	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type	
15.00	Electronic Measurements and Sensors	2	0	2	0	0					Gr			100	28	28	44	4.0		DID	DOB		
16.00	Fundamental Algorithms	2	1	2	0	0					Gr			150	28	42	80	6.0		DID	DOB		
17.00	Analog and Digital Circuits	2	0	2	0	0					Gr			100	28	28	44	4.0		DID	DOB		
18.00	Object - Oriented Programming	2	0	2	0	0					Gr			125	28	28	69	5.0		DID	DOB		
19.00	Databases	2	0	2	0	0					Gr			100	28	28	44	4.0		DID	DOB		
20.00	Special Mathematics in Engineering	2	2	0	0	0					Gr			125	28	28	69	5.0		DF	DOB		
21.10	English Language I - Technical Documents Elaboration	2	0	0	0	0					Gr			50	28	0	22	2.0		DC	DOP		
21.20	French Language I - Technical Documents Elaboration	2	0	0	0	0					Gr			50	28	0	22	2.0		DC	DOP		
21.30	German Language I - Technical Documents Elaboration	2	0	0	0	0					Gr			50	28	0	22	2.0		DC	DOP		
22.00	Systems Theory						2	0	2	0	0	Gr			100	28	28	44	4.0		DID	DOB	
23.00	Computer Architecture						2	0	2	0	0	Gr			125	28	28	69	5.0		DID	DOB	
24.00	Numerical Methods						2	0	2	0	0	Gr			100	28	28	44	4.0		DF	DOB	
25.00	Fundamental Programming Techniques						2	0	2	0	0	Gr			100	28	28	44	4.0		DF	DOB	
26.00	Operating Systems						2	0	2	0	0	Gr			125	28	28	69	5.0		DID	DOB	
27.00	Computer-Aided Graphics						2	0	2	0	0	Gr			100	28	28	44	4.0		DF	DOB	
28.10	English Language II - Technical Documents Elaboration						2	0	0	0	0	Gr			50	28	0	22	2.0		DC	DOP	
28.20	French Language I - Technical Documents Elaboration						2	0	0	0	0	Gr			50	28	0	22	2.0		DC	DOP	
28.30	German Language II - Technical Documents Elaboration						2	0	0	0	0	Gr			50	28	0	22	2.0		DC	DOP	
29.00	Sports II						0	2	0	0	0	A/R			50	0	28	22	2.0		DC	DOB	
TOTAL PER YEAR		14	3	10	0	0	14	2	12	0	0	sem1	6	1	0	1500	392	378	730	30.0	30.0		
					27.0					28.0		sem2	6	1	1								

103.00	Basics of Quantum Information	2	0	1	0	0				Gr	75	28	14	33	3.0		DC	DFA					
202.00	Pedagogy 2 (Instruction Theory and Methodology, Assessment Theory and Methodology)	2	2	0	0	0				Gr	125	28	28	69	5.0		DC	DFA					
303.00	Volunteering 3	0	1	0	0	0				A/R	50	0	14	36	2.0		DC	DFA					
104.00	Mechanics						2	2	0	0	0			Gr	100	28	28	44	4.0		DF	DFA	
203.00	Didactics of the Specialization						2	2	0	0	0			Gr	125	28	28	69	5.0		DS	DFA	
304.00	Volunteering 4						0	1	0	0	0			A/R	50	0	14	36	2.0		DC	DFA	
TOTAL YEAR		4	3	1	0	0	4	5	0	0	0	sem1	1	1	1	525	112	126	287	10.0	11.0		
					8.0					9.0		sem2	1	1	1								

Rector,
Prof. dr. ing. Vasile Topa

Dean,
Prof. dr. ing. Vlad Muresan

Department Director,
Prof. dr. ing. Rodica Potolea

FACULTY OF Faculty of Automation and Computer Science
Domain Computer Science and Information Technology
Program Name Computer Science (in English Language)
Study Level License

CURRICULA Valid for the Academic Year 2026-2027

Pag. 3

COURSE CODE AND TITLE		Year: III										Method of Assessment				Nr. Of Hours/Discipline				ECTS/Sem		Discipline	
		SEM 1 14 weeks					SEM 2 14 weeks																
		C	S	L	P	PR	C	S	L	P	PR	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type	
30.00	Design with Microprocessors	2	0	1	1	0							Gr			125	28	28	69	5.0		DID	DOB
31.00	Structure of Computer Systems	2	0	2	1	0							Gr			125	28	42	55	5.0		DID	DOB
32.00	Functional Programming	2	0	2	0	0							Gr			100	28	28	44	4.0		DID	DOB
33.00	Software Engineering	2	0	1	1	0							Gr			125	28	28	69	5.0		DID	DOB
34.00	Artificial Intelligence	2	0	2	0	0							Gr			125	28	28	69	5.0		DID	DOB
35.00	Economic Law	2	0	0	0	0							Gr			50	28	0	22	2.0		DC	DOB
36.00	Graphic Processing	2	0	2	0	0							Gr			100	28	28	44	4.0		DID	DOB
37.00	Logic Programming						2	1	2	0	0		Gr			100	28	42	30	4.0		DID	DOB
38.00	Formal Languages and Translators						2	0	2	0	0		Gr			75	28	28	19	3.0		DID	DOB
39.00	Computer Networks						2	0	2	0	0		Gr			75	28	28	19	3.0		DID	DOB
40.00	Image Processing						2	0	2	1	0		Gr			100	28	42	30	4.0		DID	DOB
41.00	Software design						2	0	2	1	0		Gr			100	28	42	30	4.0		DS	DOB
42.00	Intelligent Systems						2	0	2	0	0		Gr			100	28	28	44	4.0		DS	DOB
43.00	Practical Work in the Domain of Study						0	0	0	0	15		A/R			100	0	90	10	4.0		DID	DOB
44.00	Practical Work in the Specialization						0	0	0	0	15		A/R			100	0	90	10	4.0		DS	DOB
TOTAL PER YEAR		14	0	10	3	0	12	1	12	2	30	sem1	6	1	0	1500	364	572	564	30.0	30.0		
					27.0					27.0		sem2	6	0	2								

105.00	Robot Control Systems	2	0	3	0	0				Gr	125	28	42	55	5.0		DS	DFA				
204.00	Computer Assisted Training	1	0	1	0	0				Gr	50	14	14	22	2.0		DC	DFA				
205.00	Teaching Practice in Compulsory Pre-university Education ~(1)	0	0	0	0	3				Gr	75	0	42	33	3.0		DC	DFA				
305.00	Volunteering 5	0	1	0	0	0				A/R	50	0	14	36	2.0		DC	DFA				
106.00	Signals and Systems						2	0	2	0	0				4.0		DS	DFA				
107.00	Real-time Systems						2	0	2	0	0				4.0		DS	DFA				
206.00	Classroom Management						1	1	0	0	0				3.0		DC	DFA				
207.00	Teaching Practice in Compulsory Pre-university Education ~(2)						0	0	0	0	3				2.0		DC	DFA				
208.00	Graduation Exam - Level I						0	0	0	0	0				5.0		DC	DFA				
306.00	Volunteering 6						0	1	0	0	0				2.0		DC	DFA				
TOTAL YEAR		3	1	4	0	3	5	2	4	0	3	sem1	0	3	1	800	112	232	456	12.0	15.0	
					8.0					11.0		sem2	1	3	1						+ 5	

Rector,
Prof. dr. ing. Vasile Topa

Dean,
Prof. dr. ing. Vlad Muresan

Department Director,
Prof. dr. ing. Rodica Potolea

FACULTY OF Faculty of Automation and Computer Science
Domain Computer Science and Information Technology
Program Name Computer Science (in English Language)
Study Level License

CURRICULA Valid for the Academic Year 2026-2027

Pag. 4

COURSE CODE AND TITLE		Year: IV										Method of Assessment			Nr. Of Hours/Discipline				ECTS/Sem		Discipline	
		SEM 1 14 weeks					SEM 2 14 weeks															
		C	S	L	P	PR	C	S	L	P	PR	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type
45.00	Distributed Systems	2	0	2	1	0						Gr		150	28	42	80	6.0		DS	DOB	
46.10	Database Design	2	0	2	0	0						Gr		125	28	28	69	5.0		DS	DOP	
46.20	Computer Network Design	2	0	2	0	0						Gr		125	28	28	69	5.0		DS	DOP	
47.10	Operating Systems Design	2	0	2	1	0						Gr		150	28	42	80	6.0		DS	DOP	
47.20	User Interface Design	2	0	2	1	0						Gr		150	28	42	80	6.0		DS	DOP	
48.10	Pattern Recognition Systems	2	0	2	1	0						Gr		150	28	42	80	6.0		DS	DOP	
48.20	Translators Design	2	0	2	1	0						Gr		150	28	42	80	6.0		DS	DOP	
49.10	Marketing	2	0	0	0	0						Gr		50	28	0	22	2.0		DC	DOP	
49.20	Personal and Professional Development, Ethics and Academic Integrity	2	0	0	0	0						Gr		50	28	0	22	2.0		DC	DOP	
50.00	Project Management	3	0	0	0	0						Gr		75	42	0	33	3.0		DS	DOB	
51.00	Management and Communication	2	0	0	0	0						Gr		50	28	0	22	2.0		DC	DOB	
52.00	Project Preparing Methodology						2	0	0	0	0	Gr		100	28	0	72	4.0		DS	DOB	
53.00	AI-Driven Systems Design						2	0	2	0	0	Gr		125	28	28	69	5.0		DS	DOB	
54.10	Knowledge-based Systems						2	1	2	0	0	Gr		150	28	42	80	6.0		DS	DOP	
54.20	Cryptology						2	1	2	0	0	Gr		150	28	42	80	6.0		DS	DOP	
55.10	Input-Output Systems and Peripheral Devices						2	0	2	0	0	Gr		125	28	28	69	5.0		DS	DOP	
55.20	Parallel and Distributed Computing						2	0	2	0	0	Gr		125	28	28	69	5.0		DS	DOP	
56.00	Communication Protocols and Networks Project						0	0	0	2	0	Gr		50	0	28	22	2.0		DS	DOB	
57.00	Graduation Project						0	0	0	4	0	A/R		100	0	56	44	4.0		DS	DOB	
58.00	Practical Placement for Diploma Thesis						0	0	0	0	5	A/R		100	0	70	30	4.0		DS	DOB	
59.00	Graduation Project Defense						0	0	0	0	0	Gr		0	0	0	0	10.0		DS	DOB	
TOTAL PER YEAR		15	0	8	3	0	8	1	6	6	0	sem1 sem2	5 3	2 2	0 2	1500	322	406	772	30.0 + 10		

108.00	Entrepreneurship	2	0	0	0	0				Gr	50	28	0	22	2.0		DC	DFA					
109.00	Autonomous driving: Technology, Dynamics and Control	2	0	2	0	0				Gr	75	28	28	19	3.0		DC	DFA					
307.00	Volunteering 7	0	1	0	0	0				A/R	50	0	14	36	2.0		DC	DFA					
308.00	Volunteering 8						0	1	0	0	0			A/R	50	0	14	36	2.0		DC	DFA	
TOTAL YEAR		4	1	2	0	0	0	1	0	0	0	sem1	0	2	1	225	56	56	113	7.0	2.0		
					7.0					1.0		sem2	0	0	1								

Rector,
Prof. dr. ing. Vasile Topa

Dean,
Prof. dr. ing. Vlad Muresan

Department Director,
Prof. dr. ing. Rodica Potolea