Study program: Computers

Faculty	Faculty of Electrical Engineering and Computer Science
Study program	Computers
Study period	4 years (bachelor)
Academic year structure	2 semesters (14 weeks per semester)
Examination sessions (two)	winter session (January/February)
	summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1 ^{⁵t} Yea	r												
No.	Course	1 st Semester						2 nd Semester					
crt.		С	S	L	Р	Cred	С	S	L	Р	Cred		
01	Communication Skills	1	2	-	-	3							
02	Mathematical Analysis	3	2	-	-	6							
03	Linear Algebra, Analytical and Differential Geometry	3	2	-	-	6							
04	Applied Informatics I	1	-	2	-	4							
05	Computers Programming and Programming Languages I	3	-	3	-	6							
06	Computer Assisted Graphics	1	-	2	-	3							
07	English Language. I	1	1	-	-	2							
08	Physical Training I	-	1	-	-	1							
09	Special Mathematics						3	2	-	-	6		
10	Electrotechnics						4	2	-	-	6		
11	Theory of Probabilities and Mathematical Statistics						2	1	-	-	4		
12	Physics						3	2	1	-	6		
13	Computer Programming and Programming Languages II						2	-	2	1	6		
14	English Language. II						1	1	-	-	2		
15	Physical Training II						-	1	-	-	1		

2ndYear

No.	Co	Codo	3 rd Semester					4 th Semester							
crt.	Course	Code	С	S	L	Ρ	Cred	С	S	L	Ρ	Cred			
01	System Theory	CALC301	3	2	I	I	6								
02	Electronic Measurements	CALC302	1	-	З	I	5								
03	Electronic Devices	CALC303	3	1	-	-	5								
04	Data Structures and algorithms	CALC304	2	-	3	-	6								
05	Signal Processing	CALC305	3	-	2	-	6								
06	English Language III	CALC306	1	1	-	-	2								
06	Physical Training III	CALC307	-	1	-	-	1								
07	Formal Languages and Compilers	CALC408						2	-	2	-	4			
08	Digital Electronics	CALC409						4	I	2	I	6			
09	Analog Electronics	CALC410						2	I	2	1	5			
10	Fundamentals of Communication	CALC411						2	-	2	-	4			
11	Algorithms' Design	CALC412						3	-	2	-	5			

12	English Language IV	CALC413			1	1	-	-	2
13	Physical Training IV	CALC415			-	1	1	-	1
14	Practical Placement	CALC414			90 hours			4	

3thYear

No.	Course	Codo		5 th 5	Seme	ster		6 th Semester					
crt.	Course	Code	С	S	L	Ρ	Cred	С	S	L	Ρ	Cred	
01	Microprocessors' Architecure	CALC501	4	2	2	-	7						
02	Database	CALC502	2	I	2	-	5						
03	Digital Circuits Project	CALC503	I	I	I	2	2						
04	Artificial Intelligence	CALC504	3	-	2	-	6						
05	Electronic Instrumentation	CALC505	ſ		ſ		C						
06	Sensors and Transducers	CALC506	Ζ	-	2	-	0						
07	Interconnection Technologies in Electronics	CALC507	ſ		n		4						
08	Computer aided Design for Electronic devices	CALC508	Z	-	Z	_	4						
09	Logical and Functional Programming	CALC609						3	-	2	I	4	
10	Hardware Description Languages	CALC610						1	-	2	1	4	
11	Computer Architecture and Organization	CALC611						3	-	2	I	5	
12	Operating Systems	CALC612						3	-	2	-	4	
13	Tools for program development	CALC613						2		ſ		F	
14	Sensor Networks	CALC614							-	Z	-	5	
15	Design of Human Computer Interfaces	CALC615											
16	Multimedia Technologies	CALC616						2	-	2	-	4	
17	Web Programming	CALC617											
18	Practical Placement	CALC618							90 h	ours		4	

4thYear

No.	Course			7 th :	Seme		8 th Semester						
crt.	Course	Coue	С	S	L	Ρ	Cred	С	S	L	Ρ	Cred	
01	Embedded Systems	CALC701	3	-	2	1	7						
02	I/O Systems and Peripherals	CALC702	4	-	2	-	7						
03	Computer Networks	CALC703	2	-	2	-	5						
04	Computer Architecture and Organization	CALC704	_	_	_	2	ы						
	Project					_	_						
05	Image Processing	CALC705	2	_	2	_	4						
06	Communication Protocols	CALC706	Z	-		-	4						
07	Software Engineering	CALC707	_		ſ		4						
08	Parallel and Distributed Algorithms	CALC708	2	-	Z	-	4						
09	VLSI Design	CALC809						3	-	2	-	5	
10	Testing Computer Systems	CALC810						2	-	2	I	4	
11	Communication Systems	CALC811						2	-	2	I	4	
12	Mobile Computing	CALC812						n		2		2	
13	Data Security	CALC813						Z	-	Z	-	Э	
14	Human Machine Interface	CALC814							n		n		2
15	Scripting Languages	CALC815							Z	-	Z	-	5
16	General Economy	CALC816						2	1	-	I	2	
17	Elaboration of Diploma Project	CALC817						-	-	-	2	4	
18	Practical Activity for Diploma Work	CALC818						90 h	ours			5	