



Course	Subject	Auditory lessons (hours)	Lab and practice (hours)	Contact hours	ECTS credits
First course	First semester				
	COMPUTER SCIENCE 1	15	30	45	5
	ENGINEERING DRAWING 1	45	45	90	9
	MATHEMATICAL ANALYSIS 1	90	0	90	9
	LINEAR ALGEBRA AND GEOMETRY	75	0	75	8
	TECHNICAL ENGLISH	30	0	30	3
	Second semester				
	CHEMISTRY	90	0	90	9
	COMPUTER SCIENCE 2	15	30	45	5
	MATHEMATICAL ANALYSIS 2	90	0	90	9
PHYSICS 1	75	15	90	9	
Second course	Third semester				
	INTRODUCTION TO ELECTRICAL ENGINEERING	15	15	30	3
	FUNDAMENTALS OF CIRCUIT THEORY	75	15	90	9
	ELECTRIC BASIC PRACTICE	0	90	90	9
	PHYSICS 2	75	15	90	9
	THERMODYNAMICS AND HEAT TRANSFER	90	0	90	9
	Fourth semester				
	MATERIAL SCIENCE	30	60	90	9
	DRAWING ELECTRICITY AND CAD	0	90	90	9
	ELECTROMAGNETICS	90	0	90	9
SIGNAL ANALYSIS AND PROCESSING	45	45	90	9	
Summer internship I					
INTERNSHIP 1	0	60	60	2	
Third course	ELECTRICAL NETWORKS	30	30	60	6
	MICROPROCESSOR TECHNOLOGY	45	45	90	9
	POWER ENGINEERING	75	0	75	8
	ELECTRICAL MACHINES	45	30	75	8
	Sixth semester				
	AUTOMATIC CONTROL	15	30	45	5
	MEASUREMENT DATA PROCESSING	0	60	60	6
	ELECTRICAL MEASUREMENTS AND STATISTICS	0	45	45	5
Summer internship II					
INTERNSHIP 2	0	60	60	2	
Fourth course	Seventh semester				
	ELECTRIC POWER SUPPLY NETWORKS	45	45	90	9
	COMMUNICATION TECHNOLOGIES PROJECT	15	75	90	9
	SEMICONDUCTOR COMPONENTS AND CIRCUIT DESIGN	0	60	60	6
	SIMULATION AND TECHNICAL DIAGNOSTICS	0	90	90	9
	Eighth semester				
UNDERGRADUATE PRACTICE	0	90	90	18	
GRADUATION RESEARCH (PROJECT)	0	30	30	9	