



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 MECHANICAL ENGINEERING	15	15	30	3
	ENGINEERING DRAWING 2	0	90	90	9
	FUNDAMENTALS OF CIRCUIT THEORY	75	15	90	9
	PHYSICS 2	75	15	90	9
	Fourth semester				
	APPLIED MECHANICS	60	30	90	9
	MATERIAL SCIENCE	30	60	90	9
	FUNDAMENTALS OF STRENGTH OF MATERIALS	60	30	90	9
	Summer internship I				
INTERNSHIP 1	0	60	60	2	
Third course	Fifth semester				
	THERMODYNAMICS AND HEAT TRANSFER	90	0	90	9
	ELECTRICAL MACHINES	45	30	75	8
	RATIONAL MECHANICS	90	0	90	9
	Sixth semester				
	FUNDAMENTALS OF THERMAL AND HYDRAULIC MACHINES AND FLUID POWER	75	15	90	9
	FLUID MECHANICS	15	30	45	5
	FUNDAMENTALS OF MACHINE DESIGN	60	30	90	9
	Summer internship II				
	INTERNSHIP 2	0	60	60	2
Fourth course	Seventh semestr				
	DIGITAL MANUFACTURING AND DESIGN TECHNOLOGIES	30	90	120	12
	METROLOGY AND STATISTICS	0	45	45	5
	INDUSTRIAL PLANTS AND PROJECT MANAGEMENT	40	20	60	6
	Eighth semester				
	MANUFACTURING PROCESS	0	90	90	9
	QUALITY CONTROL	0	60	60	6
	UNDERGRADUATE PRACTICE	0	90	90	18
GRADUATION RESEARCH (PROJECT)	0	30	30	9	