Study programme: CHEMICAL ENGINEERING
Module: CHEMICAL-PROCESSING ENGINEERING

No.	Subject Name	Semester	Classes			ECTS
			Lecture	Exercises	Laboratory	
1.	Calculus I	1	4	4	0	9
2.	Engineering Physics	1	3	2	0	6
3.	General and Inorganic Chemistry	1	4	0	3	8
4.	Election Block 1	1	1	0	2	3
	English Language - Elementary Level					
	English Language - Upper-intermediate Level					
5.	Election Block 2	1	2	2	0	4
	Calculations in Chemistry					
	Chemical Laboratory Practicum					
6.	Calculus II	2	4	4	0	9
7.	Organic Chemistry	2	4	0	3	9
8.	Analytical Chemistry	2	3	0	3	7
9.	Election Block 3	2	2	0	2	5
	Introduction to Engineering					
	Mechanical Engineering Elements					
10.	Technical Thermodynamics	3	4	3	0	8
11.	Physical Chemistry	3	4	0	3	8
12.	Applications of Computers	3	2	0	4	7
13.	Fluid Mechanics	3	3	3	0	7
14.	Unit Operations I	4	3	3	1	9
15.	Heat and Mass Transfer	4	3	3	0	7
16.	Measure Technique in Industry	4	3	3	0	7
17.	Election Block 4	4	3	0	3	7
	Catalysis and Catalytic Processes					
	Environmental Protection in Chemical Industry					
18.	Unit Operations II	5	3	2	1	7
19.	Chemical Engineering Thermodynamics	5	3	3	0	8
20.	Chemical Reaction Engineering 1	5	3	3	0	6
21.	Fundamentals of Process Control	5	4	3	0	9
22.	Chemical Engineering Calculations	6	3	0	2	6
23.	Chemical Reaction Engineering 2	6	3	3	0	8
24.	Process Equipment Design 1	6	4	0	4	9
25.	Election Block 5	6	3	0	3	8
	Mixing in Process Industry					
	Drying in Process Industry					
26.	Mathematical Methods in Chemical Engineering	7	2	0	2	5
27.	Process design	7	3	0	3	6

No.	Subject					
28.	Process Equipment Design 2					
29.	Election Block 6	7	3	3	0	6
	Solid and Hazardous Waste Management					
	Wastewater Technology					
30.	Election Block 7	7	3	3	0	6
	Bioprocess Engineering					
	Bioseparations Engineering					
31.	Sustainable Development and Industrial Systems	8	3	0	2	5
32.	Applied Software Engineering	8	3	0	2	5
33.	Election Block 8	8	2	1	0	3
	Management of Industrial Production					
	Small Production Systems					
34.	Practice	8				2
35.	Preparation and Defense of Bachelor Thesis	8				15