


First Year

First Semester			Second Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0301101	Calculus (1)	3	0301102	Calculus (2)	3
0302101	General Physics (1)	3	0302102	General Physics (2)	3
0302111	Practical Physics(1)	1	0904131	Engineering Graphics and Descriptive Geometry	3
0303101	General Chemistry (1)	3	0303102	General Chemistry (2)	3
0333109	Experimental General Chemistry	1	0908200	Introduction to Engineering *	2
0966111	Engineering Workshops	1	0900010	Ethics and Skills of University Life **	0
1931102	Computer Skills (for scientific faculties)	3			
	Total	15		Total	14

*This course for students who registered based on study plans of 2014 and 2017.

** This course for students who registered based on study plan of 2014.

Second Year

First Semester			Second Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0905211	Chemical Engineering Principles (1)	3	0905231	Mathematical Methods in Chemical Engineering	3
0301201	Calculus (3)	3	0905241	Fluid Mechanics	3
0333211	Analytical Chemistry	3	0935212	Chemical Engineering Principles (2)	2
0303216	Experimental Analytical Chemistry	1	0903203	Electrical Engineering	3
0965201	Computer Applications in Chemical Engineering	1	0333233	Organic Chemistry (For None Chemistry Major)	3
	University Elective	3	0303239	Practical Organic Chemistry (For None Chemistry Major)	1
	University Elective	3			
	Total	17		Total	15



Third Year

First Semester			Second Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0935301	Numerical Methods in Chemical Engineering	3	0905323	Thermodynamics (2)	2
0935322	Thermodynamics (1)	3	0901420	Engineering Economics	3
0905343	Process Heat Transfer	3	0905xxx	Department Elective	3
0935342	Solid Particulates	3	0955331	Process Modelling by Statistical Methods	3
0966201	Technical Writing	1		University Elective	3
	University Elective	3		University Elective	3
	Total	16		Total	17

Fourth Year

First Semester			Second Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0905324	Physical Chemistry	3	0935442	Heat and Mass Transfer Operations	3
0905421	Chemical Reaction Engineering (1)	3	0935473	Environmental Engineering	3
0935441	Mass Transfer Operations	3	0905422	Chemical Reaction Engineering (2)	2
0935461	Chemical Engineering Lab. (1)	1	0935462	Chemical Engineering Lab. (2)	1
0905477	Process Safety Engineering	2	0905481	Process Design	3
0905xxx	Department Elective	3	0955451	Local Chemical Industries	3
0905xxx	Department Elective	3	0905xxx	Department Elective	3
	Total	18		Total	18

24.07.2019



Fifth Year

First Semester			Second Semester		
Course No.	Course Title	Credit Hours	Course No.	Course Title	Credit Hours
0935582	Chemical Plant Design	3	0935561	Chemical Engineering Lab. (4)	1
0935463	Chemical Engineering Lab. (3)	1	0975599	Project(2)	2
0935571	Process Dynamics and Control	3	0905xxx	Department Elective	3
0975598	Project(1)	1	0905xxx	Department Elective	3
	University Elective	3		University Elective	3
0905xxx	Department Elective	3		University Elective	3
	Total	14		Total	15