

# CURRICULUM FRAMEWORK

1st SEMESTER	2nd SEMESTER	3rd SEMESTER	4th SEMESTER	5th SEMESTER	6th SEMESTER	7th SEMESTER	8th SEMESTER	9th SEMESTER	10th SEMESTER
60h Introduction to Statistics CE009	60h Physics I CF109	60h Physics II CF110	60h Physics III CF111	30h Experimental Physical Chemistry CQ320	75h Mass Transfer Phenomena ENQ060	30h Industrial Processes I ENQ070	60h Industrial Processes II ENQ080	440h Design of Chemical Industries ENQ090	530h Integrated Supervised Internship ENQ100
60h Graphic Expression CEG008	60h Fundamentals of Computer Programming CI182	30h Experimental Physics I CF113	30h Experimental Physics II CF114		60h Numerical Methods Applied to Chemical Engineering ENQ061	60h Optimization of Chemical Processes ENQ071	90h Fundamentals of Biochemical Processes ENQ082		
60h Intro to Analytic Geometry and Linear Algebra CM303	60h Calculus I CM311	60h Calculus II CM312	60h Experimental Organic Chemistry CQ095	60h Quantitative Analytical Chemistry CQ321	60h Kinetics and Homogeneous Reactors ENQ062	60h Heterogeneous Kinetics and Reactors ENQ072	60h Industrial Process Control ENQ083		
60h Pre-Calculus CM310	30h Introduction to Experimental Chemistry CQ092	60h Fundamental Organic Chemistry CQ094	60h Physical Chemistry CQ319	60h Heat Transfer Phenomena ENQ050	45h Strength of Materials ENQ063	45h Fundamentals of Instrumentation and Process Control ENQ073	60h Engineering and Environment ENQ084		
60h General Chemistry CQ318		45h Principles of Chemical Processes ENQ030	60h Momentum Transfer Phenomena ENQ040	60h Thermodynamics for Chemical Engineering II ENQ052	60h Unit Operations II ENQ064	30h Unit Operations III ENQ074	60h Chemical Engineering Laboratory III ENQ085		
30h Introduction to Chemical Engineering ENQ010	30h Fundamental Inorganic Chemistry CQ093	30h Introduction to Numerical Computation ENQ031	45h Mathematical Methods for Chemical Engineering ENQ041	45h Materials Science ENQ053	45h Chemical Engineering Laboratory I ENQ065	60h Chemical Engineering Laboratory II ENQ075	60h Safety and Health Management in Industry ENQ086		
	30h Introduction to University Extension ENQ020	60h Thermodynamics for Chemical Engineering I ENQ032	60h Vector Calculus ENQ042	60h Unit Operations I ENQ054	45h Electrotechnics TE163	60h Process Integration II ENQ076			
	60h Special Topics in Psychology I HP070			60h Process Integration I ENQ056					

22 hours per week	22 hours per week	23 hours per week	25 hours per week	24 hours per week	24 hours per week	22 hours per week	21 hours per week	2 hours per week	30 hours per week	215 hours per week
330 h 330 h	330 h 660 h	345 h 1.005 h	375 h 1.380 h	360 h 1.740 h	360 h 2.100 h	300 h 2.400 h	315 h 2.715 h	30 h 2.745 h	450 h 3.195 h	C.W. TOTAL