

1 st semester	2 nd semester	3 rd semester	4 th semester	5 th semester	6 th semester	7 th semester	8 th semester	9 th semester
Introduction to University Studies	History of Ideas	Ethics and Bioethics	History of Western Civilization	Person and Transcendence	Social Responsibility	General Studies Workshop 3	General Studies Workshop 4	General Studies Workshop 5
Communication Skills	Basic Anthropology	Differential Equations	General Studies Workshop 1	Professional Elective 2	General Studies Workshop 2	Engineering Ethics	Decision Analysis	Professional Elective 4
Univariate Calculus	Multivariate Calculus	Probability	Professional Elective 1	Organic Chemistry I	Professional Elective 3	Practicum I: Chemical Engineering	Practicum II: Chemical Engineering	Energetics
Advanced Mathematics	Linear Algebra	Dynamics	Chemical Equilibrium	Electrochemistry	Organic Chemistry II	Separation Processes I	Separation Processes II	Industrial Plant Design
Inorganic Chemistry	Statics	Electric Circuits	Mass and Energy Balances	Transport Phenomena	Fluid Flow	Heat Transfer	Leadership and Management	Simulation and Optimization Processes
Computer Aided Design	Environmental Engineering	Thermodynamics	Finance Engineering	Sustainable Development	Kinetics and Catalysis	Reactor Engineering	Design and Selection of Equipment	
	Analytic Chemistry	Algorithms and Programming			Instrumentation and Control	Polymer Science		

Table 5.3. Ideal schedule for the Chemical Engineering program. (BLUE: Basic Science; YELLOW: Chemical Engineering; GREEN: Humanities (Other); ORANGE: General Studies Workshops (Other); RED: Professional Elective.