

**Chemical Engineering****First Year
First Term**

No.	COURSE	
	CODE	TITLE
1	CHE 101A	Inorganic and Analytical Chemistry
2	MTH 119A	Mathematics (2)
3	CHE 102	Introduction to Chemical Engineering
4	MDP 119A	Material Strength & Machine Drawing
5	MEC 119	Mechanics (2)
6	GEN **	Elective (Humanities)

**Second Year
First Term**

No.	COURSE	
	CODE	TITLE
1	CHE 201	Physical Chemistry & thermodynamics
2	CHE 202A	Organic and Biochemistry
3	MTH 219A	Mathematics (3)
4	CHE 203A	Momentum transfer
5	CHE 204	Chemical Engineering Fundamentals
6	MEP 219	Mechanical Engineering

**Third Year
First Term**

No.	COURSE	
	CODE	TITLE
1	CHE 301A	Mechanical Unit Operations
2	CHE 302	Organic Technology
3	CHE 303A	Inorganic Technology
4	CHE 304A	Heat Transfer and Applications
5	CHE 305	Applied Electrochemistry and Corrosion
6	CHE 306	Material Engineering

**Fourth Year
First Term**

No.	COURSE	
	CODE	TITLE
1	CHE 401A	Mass Transfer and Separation Processes
2	CHE 402A	Petroleum Refining Engineering
3	CHE 403	Chemical Reactor & Vessel Design
4	CHE 404	Process & Plant Design
5	CHE 405	Environmental Engineering
6	CHE **4	Elective (1)

**Vice Dean
for Education and Students Affairs**

Prof. Sherine Mohy Eldin Wahba