Department of Chemical and Petroleum Engineering

Chairperson	Prof. Yasmine Fouad
Associate Professors	Dr. Zahi Khalil
Assistant Professors	Dr. Rami Harkouss, Dr. Kamel Bou Hamdan
Full-time Instructors	Eng. Hussein Ghorayeb, Eng. Shareef El-Mustafa, Eng. Aya El Hajj Chehade

Program Description

The master degree curriculum is composed of 30 credit hours, of which 15 credit hours will be transferred from the BE degree. There are two options for the master degree; Thesis and Non-Thesis.

Elective Courses – Chemical Engineering

Courses			**Crs.**
CHME	601	Petrochemical Synthesis	3
CHME	602	Chemistry and Technology of Lubricants	3
CHME	603	Process Safety	3
CHME	604	Advanced Plant Design	3
CHME	605	Electrochemical Technologies in the Chemical Processes	3
CHME	606	Nanomaterials Engineering	3
CHME	607	Natural Gas Engineering and Liquefaction	3

Mandatory Courses -Chemical Engineering

RSCH 690 RESEARCH METHOLOGY (3Crs.) (Non-BAU students)

CHME 600 PROJECT INDEPENDENT STUDY (3Crs.)

CHME 699 MASTER'S THESIS (6Crs.)

Study Plan
(Credit Hours)

Thesis Option Non-BAU student

First Semester (9 Credit Hours)			Crs.
RSCH	**690**	**Research Methodology**	**3**
CHME	**xxx**	**Elective [1]**	**3**
CHME	**xxx**	**Elective [2]**	**3**

Second Semester (6 Credit Hours)			Crs.
CHME	**699**	**Master Thesis**	**6**

[1, 2] Selected from the list of elective courses specified for each program below

Thesis Option BAU students

First Semester (9 Credit Hours)			Crs.
CHME	**xxx**	**Elective [1]**	**3**
CHME	**xxx**	**Elective [2]**	**3**
CHME	**xxx**	**Elective [3]**	**3**

Second Semester (6 Credit Hours)			Crs.
CHME	**699**	**Master Thesis**	**6**

Non-Thesis Option Non-BAU students

First Semester (9 Credit Hours)			Crs.
RSCH	**690**	**Research Methodology**	**3**
CHME	**xxx**	**Elective[1]**	**3**
CHME	**xxx**	**Elective[2]**	**3**

Second Semester (6 Credit Hours)			Crs.
CHME	**xxx**	**Elective[3]**	**3**
CHME	**600**	**Project**	**3**

[1, 2 and 3] Selected from the list of elective courses specified for Chemical Eng. Master's program

Non-Thesis Option BAU students

First Semester (9 Credit Hours)			Crs.
CHME	**xxx**	**Elective [1]**	**3**
CHME	**xxx**	**Elective [2]**	**3**
CHME	**xxx**	**Elective [3]**	**3**

Second Semester (6 Credit Hours)			Crs.
CHME	**xxx**	**Elective [4]**	**3**
CHME	**600**	**Project**	**3**

[1, 2 , 3 and 4] Selected from the list of elective courses specified for Chemical Eng. Master's program