

and leadership at national, regional and global levels.

- 2- Demonstrate their ability to work successfully both independently and in team functioning effectively as responsible professionals.
- 3- Establish themselves as distinguished professionalism industry ,academia and other related fields.
- 4- Develop themselves in post-graduate studies in chemical engineering or allied fields

Program Outcomes (POs)

Each Chemical Engineering student will demonstrate the following attributes by the time he/she graduates:

- A) An ability to apply knowledge of mathematics, science, and engineering.
- B) An ability to design and conduct experiments, as well as to analyze and interpret data.
- C) An ability to design and realize a system, component, or process to meet desired needs
- D) An ability to function on multi-disciplinary or multi-functional teams.
- E) An ability to identify, formulate and solves engineering problems.
- F) An understanding of professional and ethical responsibility.
- J) An ability to communicate effectively.
- H) The broad education necessary to understand the impact of engineering solutions in a global and societal context.
- I) Recognition of the need for, and an ability to engage in life-long learning.
- J) Knowledge of contemporary issues.
- K) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Introduction:

The Chemical Engineering Department was established in 1976. It was the first department to provide the job market with chemical engineers in Jordan. Furthermore; it launched the master degree program by 1986. It prides itself on preparing its students for creative careers in industry, academia, and government. The department is a community of outstanding researchers, experienced educators, distinguished engineers, and talented students.

Vision of University

To manage knowledge society in order to make UJ one of globally ranked universities by 2018.

Mission of Department

The mission of the Department is to provide Jordan and other Arab countries with highly skilled professionals in various Chemical Engineering applications as well as research and development. It is committed to provide broad yet in-depth education enable its graduates to be competitive and assume leadership roles by joining technical knowledge to communication skills and professional ethics. The program excellence is ensured through continuous partnership with all stakeholders to attract top-notch faculty and students.

Program Educational Objectives (PEOs)

Graduates of the chemical engineering program are expected within a few years of graduation to:

- 1-Demonstrate their ability to integrate and apply knowledge, skills, professional ethics



B.Sc. Program Chemical Engineering Department University of Jordan



April 2014