

Chemical Engineering for non-Chemical Engineers

يهدف البرنامج الى اكساب السادة الكيميائيين والمهندسين من ذوى مختلف التخصصات علوم الهندسة الكيميائية لفهم وزيادة انتاجية العمليات الصناعية والكيميائية وادارة الانتاج لمعظم القطاعات الانتاجية (قطاع الصناعات الكيماوية والبيتروكيماوية والاسمدة وتكرير البترول) و قطاع البيئة والسلامة المهنية

Chemical Engineering for non-Chemical Engineers

The Kimamil for Industrial Consulting in Cooperation with the Center for Environmental Research & Studies and the Department of Chemical Engineering at Cairo University have the pleasure to announce the Training program "Chemical Engineering for non chemical Engineering". This program offers the participants a unique opportunity to cover the fundamentals of chemical engineering and provide a working knowledge of the basic concepts of chemical and process engineering.

Course Objective

Course participants will learn about the chemical and physical principles that form the basis for the design of equipment, the functions of key unit operations within chemical processes, and key concepts such as mass and energy balances, reaction kinetics, heat transfer, fluid flow, distillation, and process control.

Who should attend the course?

This course is aimed at non-chemical engineers (i.e. **mechanical, electrical, civil, industrial, construction , materials, environmental and other engineering disciplines as well as process chemists& biochemists and food scientists**) who need an overview of the function, principles, requirements, and operation of typical chemical process equipment and who need to communicate effectively with chemical



/ process engineers by gaining a basic understanding of the operational factors and design equations that are used by chemical engineers and how chemical engineering relates to their disciplines.

Course Language: Both Arabic and English

Duration: 8 weeks

2 days lectures- 4 days at industrial site in-job training