

PETROLEUM & PETROCHEMICAL ENGINEERING [PPC]

Bachelor Programs, Credit Hours System, Cairo University, Faculty of Engineering



The Petroleum and Petrochemical Engineering is a new discipline that integrates knowledge and skills required for both upstream and downstream industries of oil and gas. Graduates will major in either of the following:

- Petroleum Engineering (PPC-P), upstream.
- Petrochemical Engineering (PPC-C), downstream.

The petroleum engineer evaluates potential oil and gas reservoirs, oversees drilling activities, selects and implements recovery schemes, and designs surface collection and treatment facilities. The Petrochemical engineer works in the refining of petroleum crude oil, processing of natural gas and uses petroleum and its derivatives as raw materials to produce useful chemicals.



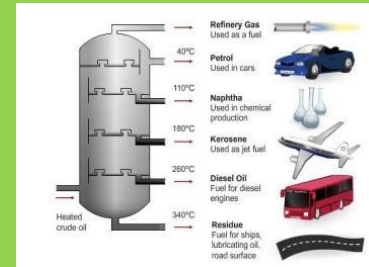
Key Features:

- Graduates majoring in either upstream or downstream industries of oil and gas will in the same time acquire the background of the other and thus improving fieldwork flexibilities in career development.
- A variety of elective courses in both majors.
- Sufficient background knowledge of basic engineering sciences, economics and safety in addition to project execution and management.
- Courses are taught by instructors having a large experience in oil, gas & related fields.

For more information, visit:

eng.cu.edu.eg/en/credit-hour-system/

Cairo University, Faculty of Engineering, Giza,
Arab Republic of Egypt.



Program Objectives:

- Supplying the petroleum sector with engineers with inter-disciplinary backgrounds. The program aims to:
 - Enable students to acquire in-depth knowledge and understanding of both the up-stream and down-stream aspects.
 - Develop appropriate intellectual skills required to enable graduates to plan, design, analyze, execute and manage industrial petroleum projects.
 - Provide students with the practical and professional skills necessary for employment in the petroleum and petrochemicals field or for further advanced research studies.
 - Develop general and transferable skills necessary for understanding of the human relations in industry and impart professional attitudes and ethics enabling the graduates to work in multi-disciplinary teams and interact properly in the professional environment.