Industrial Chemistry

Objectives

To train high level professionals who are able to analyze, implement, transfer, optimize and evaluate quality control methods used in the production and service sectors related to the chemical industry and actively participate in the production process and the creation, transfer, and adaptation of technology; in order to perform properly in the chemical industry and assist in its development.

Professional Profile

- Deal with problem solving in the Chemical Industry.
- Develop new products and / or improve them by the management of research processes.
- Monitor operations and processes of transformation of raw materials.
- Manage the total quality system.
- Address the solution of pollution problems.
- Manage the factory through personnel management, production data, quality information and maintenance programs.

Record.

Develop and implement projects to improve production processes in the chemical industry. Develop products and / or enhance them through participation in research processes. Evaluate operations and processes of transformation of raw materials.

Implement quality management systems. Propose solutions to problems of environmental pollution. Manage the plant through personnel management, production data, quality information and maintenance programs.

To perform the above functions, the curriculum of Industrial Chemistry develops education, coaching and training in the following areas:

- Humanistic
- Basic Science
- Chemistry
- Industrial Chemical Processes
- Administration

Further more, the training curriculum encourages critical-analytical, research and communication skills, including proficiency in the English language, which is key in the workplace. With this education, the graduate will also be able to learn on its own.

Fuente: http://www2.utp.edu.co/english/academic-programs/187/industrial-chemistry