

## **The Strategy of B.Sc. Program “PETROCHEMICALS and their APPLICATIONS”**

The B.Sc. “Petrochemicals and their applications” Program at the Faculty of Science, Mansoura University focuses on teaching students modern chemistry, which includes the guiding principles and methodology of chemistry and how these are applied to developing petrochemicals production systems and to the solution encountered problems in this important field.

### ***The key features of the strategy are:***

- To provide students with a broad and balanced foundation of chemical knowledge and practical skills.
- Sufficient knowledge in chemistry and related science areas to get employment as researchers and in chemical and petrochemical industries and related professions.
- To apply the basic concepts and principles of chemistry to learn new techniques and to solve problems in petrochemical chemistry.
- To enable students to develop research hypotheses, design experiments and report on findings in chemical and petrochemical topics.
- To understand the relationship between chemistry of petrochemicals and other disciplines, and the pure and applied sciences in particular.
- The ability to communicate effectively, both orally and in writing.

- To generate in students an appreciation of the importance of chemistry of petrochemicals in an industrial, economic, environmental and social context.