

Employment Opportunities

Functional areas / services where Chemical Engineers are practicing the profession include the following:

- Chemical Production and Process Companies such as Pharmaceutical, Synthetics, Plastics, Paints, and Polymer Manufacturers
- Oil Refining, Petrochemicals and Gas Processing Plants
- Water Treatment Industry
- Food Processing
- Biotechnology
- Consulting / Designing
- Environmental Management and Safety Engineering
- Project Management / Quality Management
- Research and Development
- Academe

Chemical Engineer



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Chemical Engineer

Be the best
MAKE A DIFFERENCE

Chemical Engineering

Professional chemical engineering service shall embrace services in the form of consultation, investigation, estimation and/or valuation, planning, preparation of feasibility studies, designing, preparation of specifications, supervision of installation and operation including quality management of industrial plants and chemical (process) industries.

Functions

To work with government, regulators, and other stakeholders to build a common understanding of safety risk issues;

To ensure process safety is acknowledged, understood and implemented at all management levels;

To ensure teaching of modern processes and technologies while maintaining a firm foundation of chemical engineering principles;

To develop and harness chemical process technology towards attaining the following:

- sustainable energy
- sustainable water
- sustainable food
- sustainable well – being

To promote understanding and principles of sustainability.

Skills and Competencies

Core Competencies

- has completed a prescribed university course;
- passed a licensure examination/has been issued a Certificate of Registration/Professional ID Card/ Professional Tax Receipt (PTR);
- is a member of good standing of an accredited professional organization (APO);
- follows a set of standards/code of practice; and adheres to professional code of ethics.

Skills and Abilities

- mathematical skills
- communicate well
- work with people
- reason and problem solve
- perceive and visualize patterns of figures

Cost of Education

Cost of education varies from P30,000 to P60,000 per semester in private schools and universities and less in state universities. Some private institutions or universities offer a tri-mester or a quadmester curriculum with tuition fees ranging from P25,000 to P40,000 each period.

Salary Compensation

Salary relates to experience levels and nature of the employer. The Chemical Engineer is considered a senior professional within the organization. Thus, minimum salary entry level prescribed by the local code does not apply.