



## Industrial Chemistry

Industrial chemistry is a combination of chemical technology and chemistry. Industrial visits and trainings are the flavors of industrial chemistry. The knowledge of subjects like unit operations, unit processes, plastics and polymers, dyes and drugs, management, safety and hazards, instrumentation, pollution and organic chemistry infuses confidence in students to work as an entrepreneur, research scientist, and plant in charge, lab chemist and in many other fields.

### [Second Year]

#### Semester- 3

Core Courses		
Industrial Chemistry	1.	Heavy & Fine Chemicals
	2.	Chemical Process Principles
	3.	Practicals
Physics	1.	Optics
	2.	Basic Solid State Electronics
	3.	Practicals
Elective Courses		
Elective	1.	Elective
	2.	Elective
Foundation Course		
	1.	Functional English

#### Semester- 4

Core Courses		
Industrial Chemistry	1.	Engineering Materials
	2.	Chemical Plant Utilities
	3.	Practicals
Physics	1.	Electromagnetic Theory and Spectroscopy
	2.	Solid State Physics
	3.	Practicals
Elective Courses		
Elective	1.	Elective
	2.	Elective
Foundation Course		
	1.	Functional English

### [Third Year]

#### Semester- 5

Core Courses		
Industrial Chemistry	1.	Organic Chemistry-II
	2.	Unit Process in Organic Manufacture
	3.	Petroleum Technology
	4.	Business Organisation
	5.	Mechanical Operations
	6.	Fluid Mechanics & Heat Transfer
	7.	Practicals
	8.	Practicals
	9.	Practicals

#### Semester- 6

Core Courses		
Industrial Chemistry	1.	Synthetic Dyes of Intermediates
	2.	Pharmaceuticals
	3.	Polymer Technology
	4.	Management, Costing for Plant Design
	5.	Industrial Instrumentation for Process Control
	6.	Mass Transfer Operations
	7.	Practicals
	8.	Practicals
	9.	Practicals