

Program Learning Outcomes- Engineering-Chemical

Diploma	PLO1	Apply elementary knowledge of mathematics, science, and engineering in disciplines related to chemical engineering
	PLO2	Design and conduct elementary experiments as well as analyze and interpret data in disciplines related to chemical engineering
	PLO3	Design elementary and simple chemical systems to meet desired needs
	PLO4	Function individually or as a team member under closed supervision
	PLO5	Formulate and solve elementary engineering problems in disciplines related to chemical engineering
	PLO6	Interpret elementary, simple and related professional and ethical responsibility in disciplines related to chemical engineering
	PLO7	Use elementary communications skills
	PLO8	Apply elementary chemical engineering education necessary to understand basic impact of engineering solutions
	PLO9	Asses the need for lifelong learning and undertake learning with supervision and strong support in chemical engineering fields
	PLO10	Use knowledge of elementary contemporary issues related to chemical engineering
	PLO11	Use elementary techniques, skills, and modern engineering tools necessary for engineering practice in the fields of chemical engineering
Advanced Diploma	PLO1	Apply basic knowledge of mathematics, science, and engineering in disciplines related to chemical engineering
	PLO2	Design and conduct elementary experiments as well as analyze and interpret data in disciplines related to chemical engineering
	PLO3	Design basic and known systems to meet desired needs related to chemical engineering
	PLO4	Function individually or in a supporting role with some responsibilities under regular supervision
	PLO5	Solve basic engineering problems in disciplines related to chemical engineering
	PLO6	Interpret basic professional and ethical responsibility in disciplines related to chemical engineering 3 Approved: January 2014, Revised January 2016 Acad Form 5
	PLO7	Use basic communications skills
	PLO8	Apply basic Chemical Engineering education necessary to understand impact of engineering solutions in a regional context
	PLO9	Asses the need for self-development and undertake learning under supervision in chemical engineering fields
	PLO10	Use knowledge of basic contemporary issues related to chemical engineering
	PLO11	Use basic techniques, skills, and modern engineering tools necessary for engineering practice in the fields of chemical engineering
Bachelor	PLO1	Apply technical knowledge of mathematics, science, and engineering in disciplines related to chemical engineering
	PLO2	Design and conduct general and specific experiments as well as analyze and interpret data in disciplines related to chemical engineering
	PLO3	Design a conceptual chemical system to meet desired needs
	PLO4	Function on individually and/or in a supporting role with some accountability under limited supervision
	PLO5	Formulate and solve technical engineering problems in disciplines related to chemical engineering
	PLO6	Interpret general professional and ethical responsibility related to chemical engineering
	PLO7	Use general and effective communication skills
	PLO8	Apply broad chemical engineering education necessary to understand impact of engineering solutions in a global/societal context
	PLO9	Asses the need for learning pathways and undertake learning with individual responsibility and minimum supervision and strong support in chemical engineering fields
	PLO10	Use knowledge of technical contemporary issues related to chemical engineering
	PLO11	Use general and specific techniques, skills, and modern engineering tools necessary for chemical engineering practice