

مخرجات برنامج بكالوريوس كيمياء

PILO1	Develop a basic knowledge and understanding of different chemistry fields: Organic Chemistry, Inorganic Chemistry, Analytical Chemistry and Physical Chemistry
PILO2	Understand the relationship of properties of elements in relation to its structure and position in the periodic table of elements
PILO3	Comprehend the relationship of chemical substances, its properties, and their application in life.
PILO4	Knowledge of the environment in chemical terms, describe it and explain different phenomena.
PILO5	Declarative knowledge of X-ray crystallography, NMR spectroscopy, IR spectroscopy, etc, for understanding the use of analytical method, instrument, and their relation to the elements or molecules structure and properties.
PILO6	Provide students with a tangible link between the basic theoretical principles of chemistry and their practical application to practical examples in the laboratory.
PILO7	Develop students' scientific attitude and scientific thinking. There is a need for developing respect for theoretical structures, quantification, and acceptance of probabilities and acceptance of warranted generalizations.
PILO8	Develop laboratory skills in chemistry at different levels: General Chemistry Labs, Organic Labs, Inorganic Labs, Analytical and Instrumental Labs and Physical Labs
PILO9	Think critically, interpret, analyze results, can prepare chemical analysis charts, and solve problems in the Chemistry Laboratories.
PILO10	Utilize ethical responsibility in chemistry: It is essential for chemistry students to embrace and uphold ethical responsibility by adhering to ethical principles, ensuring the safe and responsible handling of chemicals, conducting research with integrity, and considering the potential impact of their work on human health, the environment, and society as a whole.