

Vision

Department of Chemistry

aims to provide innovative programs in both academic sector and scientific research that serve the needs of the local community and able to compete on regional and international levels.

Mission

To provide qualified and innovative undergraduate and graduate chemists to meet the needs of the labor marketplace in the various areas of chemistry. Moreover, seeking cooperation with industry and community towards sustainable



Department of Chemistry

has many instruments for research and teaching purposes

Facilities include:

- Nuclear Magnetic Resonance (NMR) Analysis:
- Elemental Analysis
- Thermal Analysis
- FTIR
- Atomic Absorption spectrophotometer
- Uv-vis spectrophotometers
- HPLC
- GC
- Diode-Array spectrophotometer
- Stopped-Flow spectrophotometer
- Potentiostat
- Magnetic Susceptibility balance
- Automated Soil phase extractant
- Water bath circulators
- Fluorescence Spectrofluorometer

For more information about the degree plan, research, facilities or to request a copy of our student guide, please visit our website at <https://hu.edu.jo/fac/dept/Default.aspx?deptid=51030000>

Department Information

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Faculty of Science Department of Chemistry

Department of Chemistry was established in the same year in which the University was founded.

Department offers a bachelor's and a master's degree in Chemistry.

The department has (22) faculty members, (4) teaching and assistants, and (6) technicians



Analytical Chemistry

Electrochemistry.
Environmental analytical chemistry.
Development of new analytical methods.
Pharmaceutical analysis.

Faculty List – Analytical:

Prof. Jamal A.S. Sweileh
Prof. Amjad. H. M El- Sheikh
Dr. Ayman A. A. Issa
Dr. Yahya S. A. Al-Degs
Dr. Ismail I.M. Alfasfous
Dr. Jafar I. M. Abdelghani
Dr. Zaher A. A. Algharaibeh

Inorganic Chemistry

Coordination chemistry
Green chemistry and environmental studies
Development of new analytical methods
Metal organic frameworks MOFs
Organometallics
Material chemistry
Polymers and MIP

Faculty List – Inorganic:

Prof. Ahmad S. A. Abu-Shamleh
Prof. Adnan M. S. Abu-Surrah
Prof. Mousa Z. Q. Noaimi
Dr. Mahmoud S. A. Sunjuk
Dr. Hajem F. T. Bataineh



Faculty List – Physical:

Prof. Hamzeh . M .A .Abdel-Halim
Prof. Musa I. M. El-Barghouthi
Dr. Jamal . N. E. Dawoud
Dr. Ala' Fakhri A. Z. Eftaiha
Dr. Lubna Ryad M. Al Rawashdeh

Organic Chemistry

Heterocyclic chemistry
Carbohydrate chemistry



Faculty List – Organic:

Prof. Kayed A.Z. Abu Safieh
Dr. Bader A. B. Salameh
Dr. Abdullah I . Y . Saleh
Dr. Majed H. M. Shtaiwi
Dr. Eyad Ahmad M. Younes

Physical Chemistry

Theoretical chemistry
Reaction mechanisms.
Thermodynamics.
Kinetic studies.
Laser spectroscopy.

