

QUÍMICA

University of Nottingham (Chemical and Environment Engineering)

<https://www.nottingham.edu.my/Engineering/Departments/Chemenv/Programme-Outcomes.aspx>

Imperial College London

<https://www.imperial.ac.uk/media/imperial-college/study/programme-specifications/chemistry/BSc-Chemistry-Final.pdf>

Kansas State University

<https://www.k-state.edu/chem/undergrad/outcomes/index.html>

- an understanding of major concepts, theoretical principles and experimental findings in chemistry.
- an ability to work effectively in diverse teams in both classroom and laboratory.
- an ability to employ critical thinking and efficient problem-solving skills in the four basic areas of chemistry (analytical, inorganic , organic, and physical).
- an ability to conduct experiments, analyze data, and interpret results, while observing responsible and ethical scientific conduct.
- effective written and oral communication skills, especially the ability to transmit complex technical information in a clear and concise manner.
- the ability to use modern instrumentation for chemical analysis and separation.
- the ability to use computers for chemical simulation and computation.
- the ability to employ modern library search tools (e.g. SciFinder) to locate, retrieve, and evaluate scientific information.
- a familiarity with, and application of safety and chemical hygiene regulations and practices.
- an ability to gain entry into professional schools, graduate programs, or the job market.

University of Kent

<https://www.kent.ac.uk/stms/documents/programmes/2017-2018/mkc/hn/hnd-applied-chemistry-2013.doc>

- Instrumental techniques used in qualitative and quantitative chemistry
- The principles of Inorganic, Organic and Physical Chemistry
- The applications of chemistry to relevant industrial processes
- The applications of chemical principles in an environmental context
- The aspects of chemistry relevant to medicinal and clinical chemistry
- Numerical and statistical techniques to solve scientific problems
- How chemical principles are applied to biological systems
- Design, plan and report and communicate effectively on scientific investigations
- Undertake laboratory investigations in a responsible, safe and ethical manner
- Recognize the moral and ethical issues involved in scientific enquiry and experimentation
- Interpreting data obtained by instrumental analysis, for example ir, uv, nmr, and separation techniques
- Using chemical knowledge and understanding to analyse and/or synthesize chemical compounds
- Use mathematical analysis to predict feasibility of reactions
- Otras en la categoría "Transferable Skills"