Advanced Chemical Sciences  MSc

This MSc aims to provide students who have already studied chemistry to the level equivalent to a good UK BSc (Hons) with the necessary additional skills and depth of knowledge to become professional chemists.

We offer excellent training in modern chemical research techniques in a stimulating environment.

The chemistry modules for the MSc are chosen from a wide range of topics and you will be studying alongside our Integrated Master's MChem students. Module topics range from core physical, inorganic and organic chemistry to specialist cutting-edge research areas and choices can be made to suit individual skills and interests.

We are one of the top 10 Chemistry departments in the country for research. The Department offers a wide range of opportunities for taught and research Postgraduate Degree Programmes in state-of-the-art facilities. There are many collaborative research ventures with other departments both within the university and further afield, with industry (local, national and international) and with major research organisations abroad.

The Chemistry Department has been highly rated for our overall research by the Higher Education Funding Council and our research income totals around £5million per year.

PROGRAMME STRUCTURE

The 12-month course runs from September and consists of a taught component and a major research based project totaling 180 credits.

Students take 90 credits of advanced chemistry modules in Semesters 1 and 2, chosen from a wide range of topics. Most modules offered are at M-level although up to 30 credits at level 3 can be taken.

Alongside these taught modules in Semesters 1 and 2, students start to gain relevant research skills by taking a common 30 credit module, PGSC003 Introduction to Research, tailored to suit their particular background and research area.

During the Summer, students undertake a substantial 60 credit research project PGSC004, working in an active research group. The project will be carried out in an active research group within one of the main research areas of the Department i.e. Energy and Catalysis, Materials Chemistry, Medicinal and Bio-nano Chemistry, Functional Interfaces or Theoretical and Computational Chemistry.
Apply now - The minimum entry requirement is a final degree grade equivalent to a UK BSc 2:1 (Hons) classification in Chemistry. Previous relevant industry experience is very welcome. The course is taught in English and competency equivalent to IELTS 6.5 (no band lower than 5.5) is required for non-native English speakers. Pre-sessional English courses are available at the University of Liverpool.

For further details: http://www.liv.ac.uk/chemistry