

# School of Chemistry

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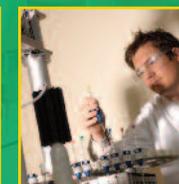
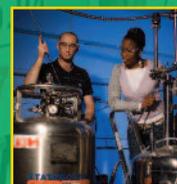
## MSc in Chemistry / Analytical Chemistry



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The School of Chemistry has both a distinguished and an outstanding reputation for research covering most areas of chemistry. It is one of the largest research schools in the UK, with over 200 postgraduate students and over 700 undergraduates. In the 2008 Research Assessment Exercise, the School was ranked fourth in the UK based on research power. We have comprehensive academic coverage across the chemical sciences and excellent in-depth research in all the core sub-disciplines of chemistry, coupled with outstanding facilities and a strong portfolio of postgraduate degree programmes.



#### Research Project

The research project constitutes one half of the course credits and assessment. Following examinations on the Taught Modules in January and April, successful candidates progress to a five month dissertation project (MSc) or an eight week research project (Diploma). Projects will be available in Biological, Organic, Inorganic, Materials, Polymer, Analytical, Structural and Theoretical Chemistry.

Students will graduate with either a Chemistry or Analytical Chemistry degree depending upon the project work undertaken.

#### Academic Entry Requirements:

Applicants for MSc courses will require a minimum of 2(ii) honours degree or equivalent in chemistry, analytical chemistry, pharmacy, biochemistry or other related disciplines.

#### English Language Requirements:

Students whose first degree has not been studied in English will normally have to reach a required standard in an International English language examination such as TOEFL > 570, DBTOEFL > 230, TOEFL (IBT) > 90 or IELTS > 6.5

The University offers a number of excellent pre-session English courses designed specifically to help international students meet our requirements prior to the start of their programmes.

[www.langcent.manchester.ac.uk](http://www.langcent.manchester.ac.uk)

#### Course Description

This 12 month chemistry MSc is designed primarily for International students either to act as a preparation for PhD studies or for students wishing to broaden their research experience and knowledge of chemistry within the context of the English language. The programme consists of six taught modules, worth a total of 90 credits, delivered in the first six months of the course followed by a substantial research project, also worth 90 credits. The modules will include both analytical and synthetic topics and a research project from a wide range of areas may be selected.

#### The key objectives of the programme are:

- To provide students with essential skills in the characterisation of materials by spectroscopic, structural and analytical techniques. This will be achieved with reference to organic, organometallic and polymeric materials.
- To give students an in-depth experience of chemical research through individual, extended Masters research projects.
- To develop confidence in the use of English oral and written skills within a chemical context.

#### Taught Modules

Spectroscopy and Nuclear Magnetic Resonance

Polymer Characterisation

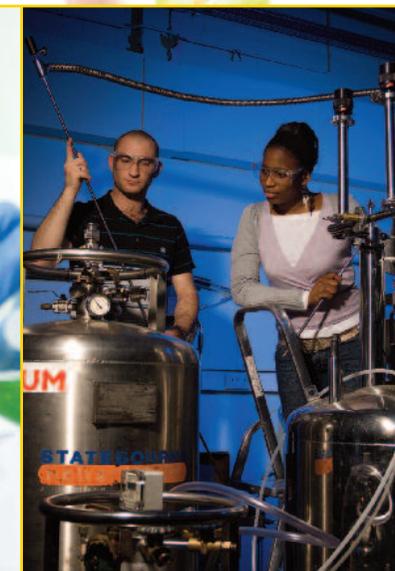
Organometallic Chemistry and Catalysis

X-Ray Diffraction

Analytical Chemistry

Linguistic and Research skills

The taught modules will be delivered as lectures with extensive support from workshops and practical classes. The Linguistic and Research skills module will address issues of scientific report writing, presentation skills and database searching as a preparation for the research project.



MSc applications are accepted throughout the year for admission in September. Apply online at:  
[www.manchester.ac.uk/postgraduate/howtoapply](http://www.manchester.ac.uk/postgraduate/howtoapply)

Email: [pg.chemistry@manchester.ac.uk](mailto:pg.chemistry@manchester.ac.uk)