

Addendum to the Programme Specification

5004 MSc Chemistry by Research

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the relevant Programme Specification from the year you started your programme.

[Programme Specification for entry in 2020-21](#)
[Programme Specification for entry in 2019-20](#)
[Programme Specification for entry in 2018-19](#)

University level information

In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

Programme Information

Lab work will remain a compulsory part of the programme for students choosing projects in lab-based areas but will be offered in line with current social distancing and local and international guidelines. Some optional modules will not be available in the coming year, although we have endeavoured to provide as much of the usual choice as we can do.

Programme Structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

Programme:	MSc Chemistry by Research - 5004
Term:	2020-2021 Academic Session (202021)
Area title:	5004-1 - MSc Chem by Research Part 1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
CHEM 6086	MSc Research Project	120	Yes	Non-Standard
CHEM 6133	Scientific Writ & Pres Skills	15	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select 45 credits		
CHEM 3040	Macrocyclic and Bio-inorganic Chemistry	15	Semester 2
CHEM 3041	Synthetic Methods in Organic Chemistry	15	Semester 2
CHEM 6022	Introduction to Electrochemistry I	15	Semester 1
CHEM 6092	Medicinal Chemistry	15	Semester 2
CHEM 6094	Advanced Inorganic Chemistry	15	Semester 1
CHEM 6095	Advanced Organic Chemistry (Bioorganic)	15	Semester 1
CHEM 6096	Advanced Physical Chemistry	15	Semester 1
CHEM 6103	Sustainable Chemistry	15	Semester 2
CHEM 6124	NMR Spectroscopy: Theory and Application	15	Semester 1
CHEM 6125	Mass Spectrometry: Theory and Application	15	Semester 1
CHEM 6127	Chromatography: Theory and Application	15	Semester 2
CHEM 6134	Introduction to Electrochemistry II	15	Semester 1
CHEM 6135	Practical Techniques in Electrochemistry	15	Full Academic Year
CHEM 6136	Modelling in Electrochemistry	7.5	Semester 2
CHEM 6137	Atoms, Molecules and Spins: Quantum Mechanics in Chemistry	15	Semester 2
CHEM 6141	Advanced Topics in Inorganic Chemistry	15	Semester 1

CHEM 6144	Chemistry through the Computational Microscope	15	Semester 2
CHEM 6145	Supramolecular Chemistry of Functional Molecules and	15	Semester 2
CHEM 6146	X-Ray Crystallographic Techniques, Advanced Main Group	15	Semester 1
CHEM 6147	Advanced Spectroscopy and Applications	15	Semester 1
CHEM 6149	Principles, Techniques and Energy Applications of	15	Semester 2
CHEM 6150	Battery Technologies and their Applications	15	Semester 2
CHEM 6151	Practical Techniques in Battery Research	15	Semester 2
CHEM 6152	Battery Materials and Characterisation	7.5	Semester 2
CHEM 6153	X-Ray Diffraction as a Characterisation Method	15	Semester 1
CHEM 6154	Nuclear Magnetic Resonance Spectroscopy	15	Semester 1
CHEM 6161	Stereoselective Reactions	15	Semester 1
CHEM 6162	Advanced Chemical Biology	15	Semester 2