

Addendum to the Programme Specification

4998 MChem Chemistry with Medicinal Sciences 8717 MChem Chemistry with Medicinal Sciences

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](#)

[Programme Specification for entry in 2017-18](#)

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, delivered through set practicals or projects, remain a compulsory part of the programme but will be offered in line with current social distancing and local and international guidelines. That will result in some changes in the way in which these activities are scheduled, with knock-on effects on scheduling of other activities including some modules offered in a different semester. 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. Recognising the current situation, students without placements in part 4 will be offered the opportunity to take an in-house project as part of this programme.

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:	MChem with Medicinal Sci
Term:	2020-2021 Academic Session (202021)

Area title: 4998-1 MChem with Medicinal Sci Yr 1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
BIOL 1024	Fundamentals of Biochemistry	30	No	Full Academic Year
CHEM 1031	Fundamentals of Org Chemistry I	15	Yes	Semester 1
CHEM 1032	Fundamentals of Org Chemistry II	15	Yes	Semester 2
CHEM 1033	Fundamentals of Phys Chemistry I	15	Yes	Semester 1
CHEM 1034	Fundamentals of Phys Chemistry II	15	Yes	Semester 2
CHEM 1035	Fundamentals of Inorg Chemistry I	15	Yes	Semester 1
CHEM 1036	Fundamentals of Inorg Chemistry II	15	Yes	Semester 2

Programme: MChem with Medicinal Sci

Term: 2020-2021 Academic Session (202021)

Area title: 4998-2 MChem with Medicinal Sci Yr 2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
BIOL 1025	Fundamentals of Cell Biol&Phys	30	No	Full Academic Year
CHEM 2001	Organic Reaction Mechanisms	15	Yes	Semester 1
CHEM 2005	Aspects of Organic Synthesis	15	Yes	Semester 2
CHEM 2012	Change and Equilibrium	15	Yes	Semester 2
CHEM 2013	Atomic & Molecular Interaction	15	Yes	Semester 1
CHEM 2026	Coordination Chemistry	15	Yes	Semester 1
CHEM 2032	Solid State & Organometal Chem	15	Yes	Semester 2

Programme:	MChem with Medicinal Sci
Term:	2020-2021 Academic Session (202021)
Area title:	4998-3 MChem with Medicinal Sci Yr 3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
BIOL 2049	Pharmacology	30	No	Full Academic Year
CHEM 3012	Chemistry Research Project	30	Yes	Full Academic Year
CHEM 3037	Advanced Inorganic Chemistry	15	Yes	Semester 1
CHEM 3038	Advanced Organic Chemistry	15	Yes	Semester 1
CHEM 3039	Advanced Physical Chemistry	15	Yes	Semester 1
CHEM 3041	Synthetic Methods in Org Chem	15	No	Semester 2

Programme:	MChem with Medicinal Sci
Term:	2020-2021 Academic Session (202021)
Area title:	4998-4 MChem with Medicinal Sci Yr 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
CHEM 6090	Res Project and Dissertation	60	No	Full Academic Year
CHEM 6092	Medicinal Chemistry for MChem	15	No	Semester 2

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule 1	Select two Semester 1 modules		

CHEM 6146	X-Ray Crystallographic Techniques, Advanced Main Group	15	Semester 1
CHEM 6147	Advanced Spectroscopy and Applications	15	Semester 1
CHEM 6154	Nuclear Magnetic Resonance Spectroscopy	15	Semester 1
CHEM 6161	Stereoselective Reactions	15	Semester 1
Rule 2	Select one Semester 2 module		
BIOL 6022	Molecular Pharmacology	15	Semester 2
BIOL 6023	Cellular Signalling in Health and Disease	15	Semester 2
BIOL 6032	Molecular Recognition	15	Semester 2
BIOL 6033	The Molecular and Structural Basis of Disease	15	Semester 2
BIOL 6034	Systems Neuroscience	15	Semester 2
BIOL 6040	Development Origins of Health and Disease	15	Semester 2
BIOL 6041	Biomedical Technology	15	Semester 2
BIOL 6045	Neurodegenerative Disease	15	Semester 2
BIOL 6047	Biofilms and Microbial Communities	15	Semester 2
BIOL 6076	Biomedical Parasitology	15	Semester 2

8717 MChem Chemistry with Medicinal Sciences

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Programme:	MChem with Medicinal Sci
Term:	2020-2021 Academic Session (202021)
Area title:	8717-2 MChem with Medicinal Sci Yr 2

Compulsory Modules

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Area title:	8717-4 MChem with Medicinal Sci Yr 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
CHEM 6090	Res Project and Dissertation	60	No	Full Academic Year
CHEM 6092	Medicinal Chemistry for MChem	15	No	Semester 2

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BIOL 6076	Biomedical Parasitology	15	Semester 2