

F102 (MChem) Chemistry

SEMESTER 1	SEMESTER 2
CHEM313 (15 credits)	CHEM354 (15 credits)
CHEM333 (15 credits)	CHEM366 (15 credits)
CHEM375 (30 credits)	CHEM374 (15 credits)
	CHEM316 (7.5 credits)
	'M' option (7.5 credits)

F1BF (MChem) Medicinal Chemistry with Pharmacology

SEMESTER 1	SEMESTER 2
CHEM313 (15 credits)	CHEM354 (15 credits)
CHEM333 (15 credits)	CHEM366 (15 credits)
CHEM335 (7.5 credits)	BIOL453 (15 credits)
CHEM337 (7.5 credits)	
CHEM355 (15 credits)	BIOL459 (15 credits)

F100/F108 (BSc) Chemistry

SEMESTER 1	SEMESTER 2
CHEM380 (15 credits)	
CHEM311 (15 credits)	CHEM352 (15 credits)
CHEM331 (15 credits)	CHEM356 (15 credits)
CHEM365 (15 credits)	'A' option (7.5 credits)
	'A' option (7.5 credits)
'A' option (7.5 credits)	'A' option (7.5 credits)

MChem students who change to F100 BSc after the first Semester exams will usually take [CHEM352](#), [CHEM356](#), [CHEM374](#) and two 'A' options (or approved alternatives) in the second Semester.

F1B2 (BSc) Medicinal Chemistry

SEMESTER 1	SEMESTER 2
CHEM380 (15 credits)	
CHEM331 (15 credits)	CHEM356 (15 credits)
CHEM335 (7.5 credits)	BIOL453 (15 credits)
CHEM337 (7.5 credits)	
CHEM365 (15 credits)	BIOL459 (15 credits)
'A' option (7.5 credits)	'A' option (7.5 credits)

MChem students who change to F1B2 BSc after the first Semester exams will usually take [CHEM352](#), [CHEM356](#), BIOL453 and BIOL459 in the second Semester.

Notes:

1. F161 students take [CHEM383](#) and [CHEM376](#) 'distance learning' modules.

2. Year 3 BSc students *may* be allowed to select other approved modules instead of 'A' options. [CHEM227](#) is available to any student who has already taken [CHEM311](#) or [CHEM313](#).

CHEM3xx Modules for 2006-7 (excluding options)

Module	Semester
CHEM380 Further Key Skills With Molecular Modelling (BSc)	1 & 2
CHEM311 Inorganic Chemistry	1
CHEM313 Further Inorganic Chemistry	1
CHEM331 Organic Chemistry III (BSc)	1
CHEM333 Further Organic Chemistry	1
CHEM355 Practical Chemistry For Mchem Students – Shorter Version	1
CHEM365 Practical Chemistry Year 3 (BSc)	1
CHEM375 Practical Chemistry Year 3 (MChem)	1
CHEM383 Organic Mechanisms And Synthesis (Distance Learning)	1
CHEM352 Modern Applications Of Physical Chemistry (BSc)	2
CHEM354 Further Physical Chemistry (MChem)	2
CHEM356 Year 3 Chemistry Project (BSc Level)	2
CHEM366 Practical Chemistry Project Year 3 – An Introduction To Research Methods In Chemistry	2
CHEM374 Spectroscopy	2
CHEM376 Spectroscopy (Distance Learning)	2

'A' Options

Module	Semester
CHEM335 Medicinal Chemistry Of Anti-Infectives (NOTE: pre-requisites include CHEM248)	1
CHEM337 Heterocyclic Chemistry and Drug Synthesis	1
CHEM357 Atmospheric Chemistry	1
CHEM227 Basic Biology for Nanotechnology (NOTE: available instead of TWO 'A' Options for any student who has already taken CHEM311 or CHEM313)	1
CHEM248 Introduction to Medicinal Chemistry	2
CHEM316 Inorganic Applications of Group Theory	2
CHEM378 Polymer Chemistry	2
CHEM384 Sustainable Chemistry	2

'M' Options

Module	Semester
CHEM434 Biocatalysis in Synthetic Organic Chemistry	2
CHEM452 Protein Structure and Dynamics	2
CHEM486 Nucleic Acid and Peptide Chemistry	2
CHEM492 Redox-Active Molecules and Materials	2
CHEM494 Chemical Nanotechnology	2

'BIOL' Modules

Module	Semester
BIOL453 Molecular and Chemical Pharmacology	2
BIOL459 Antimicrobial Chemotherapy for Chemists	2

First Semester CHEM3x5 Chemistry Practicals

Module	Choice	Weeks 1-4	Weeks 5-8	Weeks 9-12
CHEM355	Organic plus <i>any</i> other	O	P?	I?
CHEM365	Choose <i>any</i> two	I?	P?	O?
CHEM375	All are compulsory	P	O	I

The various teaching laboratories will be open five sessions each week: Wednesday afternoon, Thursday morning, Thursday afternoon, Friday morning and Friday afternoon. It should be possible to complete all of the work in the equivalent of four sessions per week. Students are welcome to attend any of the five sessions each week, except in the case of CHEM365 students doing organic chemistry in Weeks 9-12; so as to avoid overcrowding, such students can only attend four sessions each week, and must tell us in advance whether they will make use of Wednesday afternoons *or* Thursday afternoons (but *not* both).