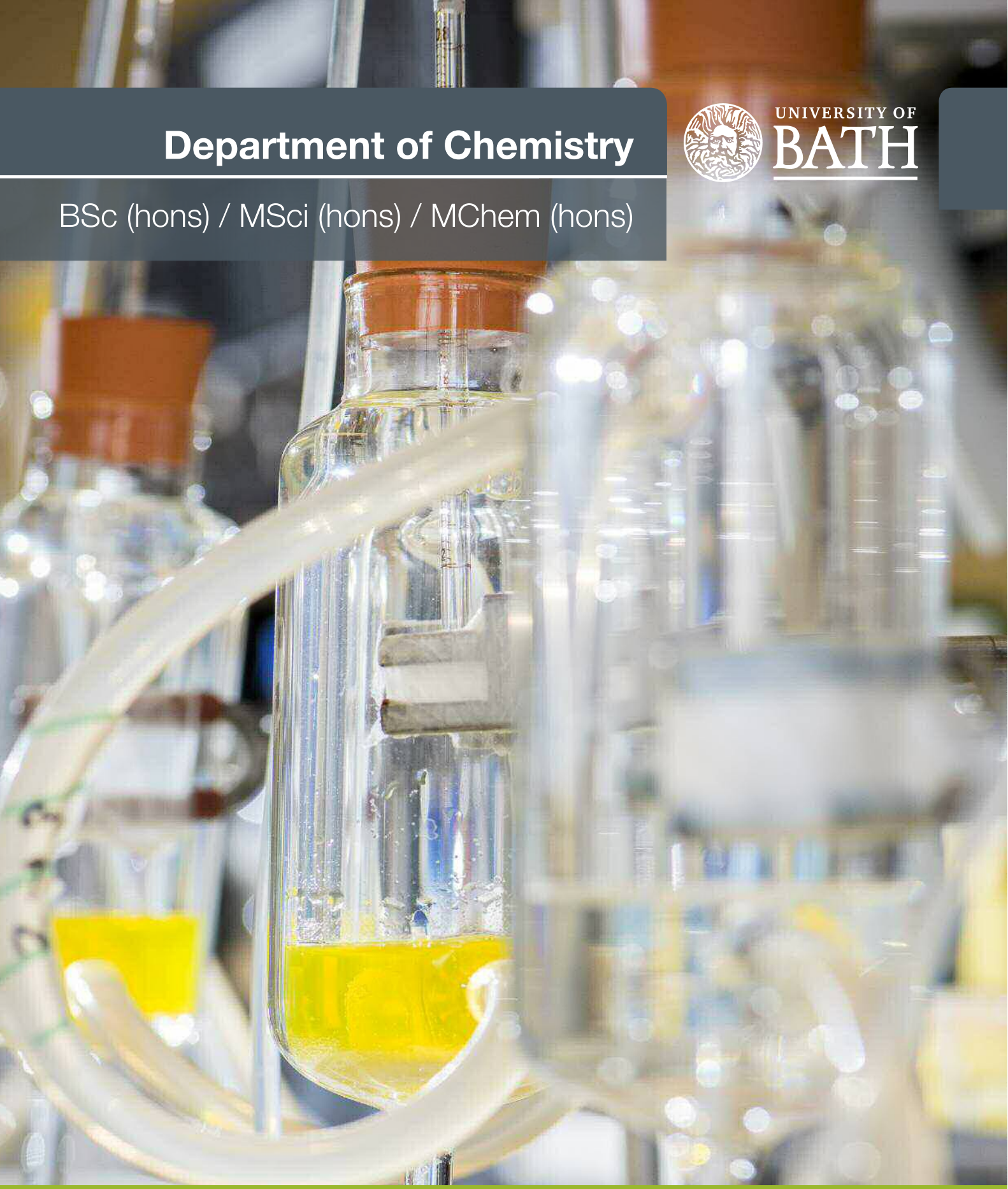
Department of Chemistry

BSc (hons) / MSci (hons) / MChem (hons)



UNIVERSITY OF BATH

Undergraduate Programmes Handbook

2017-2018

This handbook is available in electronic format via the Department Moodle (virtual learning environment) pages. The online version includes live links to information sources.

If you require a copy in large font or another format please contact the Undergraduate Programme Administrator at ***chemistry-ug-admin@bath.ac.uk***

Every effort has been made to ensure that the information contained within this handbook is accurate and up-to-date.

Academic Year 2017-18

These dates are correct at the time of going to print – please check on the University's semester dates website for up-to-date information during the year:
http://www.bath.ac.uk/about/organisation/semester-dates/2017-18/index.html

Semester 1	Dates	Weeks
New student arrivals	Saturday 23 September 2017 - Sunday 24 September 2017	
Welcome Week	Monday 25 September 2017 - Sunday 1 October 2017	0
Semester 1 Teaching	Monday 2 October 2017 - Friday 15 December 2017	1-11
Semester 1 Christmas vacation	Monday 18 December 2017 - Friday 5 January 2018	12-14
Semester 1 revision/ assessment period	Monday 8 January 2018 - Friday 26 January 2018	15-17

Semester 2	Dates	Weeks
Inter-semester break	Monday 29 January 2018 - Friday 2 February 2018	18
Semester 2 Teaching	Monday 5 February 2018 – Friday 23 March 2018	19-25
Semester 2 Easter vacation	Monday 26 March 2018 - Friday 6 April 2018	26-27
Semester 2	Monday 9 April 2018 - Friday 4 May 2018	28-31
Semester 2 revision/ assessment period	Monday 7 May 2018 – Friday 1 June 2018	32-35

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Welcome

Introduction to the Department and Undergraduate Programmes

This handbook contains important information about the Department of Chemistry and the University of Bath. You will need to consult it throughout the year. It contains details of the teaching programme(s), examination procedures and requirements for qualification to progress to the next year of study. ***If you have any questions regarding procedural or other aspects of the course, please look in this handbook first – you may well find the information you need.***

An extremely important source of information is "**Moodle**", the University's Virtual Learning Environment (VLE). This can be accessed via the following link: moodle.bath.ac.uk or from the University's WWW home page. A copy of this handbook is available on Moodle on the *Chemistry Undergraduate Information Hub* in the *Useful Documentation* section. This version may be updated throughout the year so it is strongly recommended you look at it regularly.

In addition to the online resources such as Moodle, probably the next most important sources of information are the notice boards on the first floor of the Chemistry Teaching Building, 3 South. Each year of the course has a separate panel and you should make a habit of checking the boards regularly, perhaps after your laboratory classes in 3 South. Other important and urgent information (such as examination instructions) will be posted from time to time on these notice boards. The 'pigeon holes' through which your mail and other messages will be distributed are also in this area of 3 South. The Student Chemical Society (**chemsoc**) has its notice board in 3 South, while activities of the Royal Society of Chemistry, seminars by visiting lecturers and job opportunities are displayed on notice boards in 1 South.

During registration online (ROL), you will be given a University username and password to enable you to access the computer network for e-mail and other computing services, including World Wide Web access and Moodle. We make extensive use of these forms of communication (including using some computer based learning activities). You will need to get into the habit of regularly checking your e-mail for messages. Your tutors and lecturers will use e-mail to tell you about times for tutorials and meetings as well as any lectures or workshops which have to be rearranged at short notice. Note that we will only use your *university e-mail address,* not any other account that you may have with a different ISP. If you send an e-mail to a member of staff **please sign your e-mail with your name and surname as well as your year and programme of study** (*i.e.* Year 1 Chemistry, Year 2 Chemistry for Drug Discovery etc). While some members of staff will respond to e-mails out of normal work hours, this should not be expected.

About This Handbook

This Handbook is intended for all students commencing the BSc(Hons) Chemistry, BSc(Hons) Chemistry for Drug Discovery, BSc(Hons) Chemistry with Management, MChem(Hons) Chemistry, MChem(Hons) Chemistry for Drug Discovery, and MSci(Hons) Chemistry with Management (some courses have the option of a Study Year Abroad or placement year in industry) in the academic year 2017/18.

Please note that the contents of this Handbook are accurate at Friday 8th September 2018 but that information may sometimes be subject to change after this Handbook has been issued.

- While this Handbook signposts information about **regulations for students**, it does not have regulatory status itself, and the Regulations available online (Regulations for Students: www.bath.ac.uk/regulations and Assessment Regulations: www.bath.ac.uk/registry/nfa) are the most up-to-date and take precedence over the contents of this Handbook.
- For further information about unit and programme changes, see the **Unit and programme changes** section in this Handbook.

If in doubt about what applies to you, or if your circumstances change (for example if you are returning from a suspension of study, or transferring to a different programme) please contact your Director of Studies Dr Fiona Dickinson (year 1), Dr Mary Mahon (year 2) and Prof Ian Williams (years 3, 4 and 5) for advice.

Department of Chemistry

Key members of staff in the Department of Chemistry

All staff are in 1 South unless indicated otherwise. The telephone numbers listed can be dialled from any internal University telephone. From outside the University, add (01225) 38 to the number (*e.g.* x 6504 becomes 01225 386504).

Key Staff	Title	Room	Tel.	E-mail
Professor Christopher Frost	Head of Department	0.08	6142	c.g.frost@bath.ac.uk
Dr Matthew Jones	Director of Teaching	1.21	4908	m.jones2@bath.ac.uk
Dr Fiona Dickinson	Director of Studies for Year 1	WH 1.18	6414	f.dickinson@bath.ac.uk
Dr Mary Mahon	Director of Studies for Year 2	1.09	3752	m.f.mahon@bath.ac.uk
Professor Ian Williams	Director of Studies for Years 3 and 4	0.19	6625	i.h.williams@bath.ac.uk
Dr Mary Mahon	Senior Tutor	1.09	3752	m.f.mahon@bath.ac.uk
Rachel Willis & Shula Dennis	Departmental Coordinators	0.09	6815	chem-adminoffice@lists.bath.ac.uk
Kate Remington	Departmental Secretary	0.13	4884	chem-adminoffice@lists.bath.ac.uk
Steph Skaife (Undergraduate Enquiries)	Undergraduate Administrator (Chemistry)	UG Hub 4South 0.03	4879	chemistry-ug-admin@bath.ac.uk

In Years 1 and 2 you are allocated a subject tutor for each of Inorganic (I), Organic (O), and Physical (P) chemistry, and you will have a tutorial with one of your subject tutors every week.

In addition, you have a **Personal Tutor** in the Department. If you are unsure of who this is, contact Dr Mary Mahon (the Senior Tutor of the Department) or the Undergraduate Programmes Administrative Team located in 4S 0.03, or the Director of Studies for your year of study. The responsibility of your Personal Tutor is to monitor your academic progress (they will *normally* be one of your three subject tutors) and he/she will ask you to attend short meetings to discuss progress. It is a regulation of the University that you attend these meetings. In addition, and perhaps, more importantly, your Personal Tutor also acts in a pastoral role. **If you have a problem, your Personal Tutor should be the first person you approach.** If he/she feels that your problem cannot be directly solved, you may be recommended to seek further advice from another source within the Department or the University.

You will be taught by the following members of academic staff in the Department of Chemistry:

Who's Who

Academic Staff	Room	Tel.	E-mail prefix (@bath.ac.uk)
Dr Stephen Bromfield	WH 1.22	6289	s.m.bromfield
Dr Antoine Buchard	5W 2.28	6122	a.buchard
Prof Steven Bull	0.20a	3551	s.d.bull
Prof Andrew Burrows	1.16	6529	a.d.burrows
Dr Petra Cameron	0.18	6116	p.j.cameron
Dr David Carbery	1.17	6144	d.carbery
Dr Jonathan Cox	1.10	6548	j.p.l.cox
Dr Alex Cresswell	WH 1.27	5382	a.j.cresswell
Prof Matthew Davidson	0.10	6443	m.g.davidson
Prof Robert Deeth	WH 1.19	4428	r.j.deeth
Dr Fiona Dickinson	WH 1.18	6414	f.dickinson
Prof Carmen Domene	1S 0.11		m.c.domene.nunez
Prof Karen Edler	1.02	4192	k.edler
Dr Steve Flower	3S 1.02	4881	s.e.flower
Prof Christopher Frost	0.08	6142	c.g.frost
Prof Mike Hill	1.23	3394	m.s.hill
Dr Ulrich Hintermair	5W 3.6	6682	u.hintermair
Prof Saiful Islam	1.23a	4938	m.s.islam
Prof Tony James	0.21	3810	t.d.james
Prof Toby Jenkins	0.12	6118	a.t.a.jenkins
Dr Andrew Johnson	1.03b	4467	a.l.johnson
Dr Matthew Jones	1.21	4908	m.jones2
Prof Barbara Kasprzyk-Hordern	1.54b	5013	b.kasprzyk-hordern
Dr Randolf Köhn	1.03a	3305	r.d.kohn
Dr Vera Krewald	WH 1.28	6426	v.krewald
Dr Simon Lewis	0.20	6568	s.e.lewis
Dr David Liptrot	1.54C	5432	d.j.liptrot
Dr Mary Mahon	1.09	3752	m.f.mahon
Prof Frank Marken	0.05	3694	f.marken
Dr Claire McMullin	WH 1.24	4428	c.mcmullin
Dr Ben Morgan	WH 1.27	6128	b.j.morgan
Dr Dan Pantos	1.54a	4376	g.d.pantos
Prof Steve Parker	1.24	6505	s.c.parker
Prof Sofia Pascu	1.54c	6627	s.pascu
Prof Gareth Price	1.12	6504	g.j.price
Dr Asel Sartbaeva	1.13	5410	a.sartbaeva
Dr Janet Scott	5W 3.3B	6073	j.l.scott
Dr Gan Shermer	WH 1.20	6382	g.shermer
Dr Adam Squires	1.34	6569	a.squires
Dr Ruth Webster	1.04	6103	r.l.webster
Prof Mark Weller	1.18	6531	m.t.weller
Prof Michael Whittlesey	1.20	3748	m.k.whittlesey

Prof Ian Williams	0.19	6625	i.h.williams
Prof Jonathan Williams	0.17	3942	j.m.j.williams
Prof Chick Wilson	0.02	6143	c.c.wilson

Programme Information

Please note that the content of the programme description below is correct at the time of production of this Handbook and that programmes and units may be subject to reasonable change (see **Unit and Programme Changes** below).

Current versions of unit and programme descriptions are available via the online Unit and Programme Catalogues: www.bath.ac.uk/catalogues

All courses at the University of Bath consist of **programmes of study**. For example, the BSc in Chemistry with Industrial Training is one programme, as is the MChem in Chemistry for Drug Discovery. Each programme consists of a number of **units** – some mandatory, some optional – each of which has a **credit** rating. All lecture-based units in Chemistry are worth 3, 6 or 12 credits.

In the modular system, you have to study for at least 60 credits per year. You can study additional units if you wish, such as a language, but the permitted maximum is 66 credits per year.

The first two years of the degree programmes are designed to give a good grounding in a range of important topics and are common to both BSc and MChem (or MSci) programmes. The choice between BSc and MChem (or MSci) programmes is primarily determined at the end of Year 2. However, there is a 50% overall average threshold at the end of Year 1 to stay on, or transfer to, the MChem (or MSci) programme. Students who fail to meet this threshold are not precluded from the MChem (or MSci) courses, provided they meet the Year 2 threshold of 55% overall average. It is also permissible to transfer onto the MChem/MSci programme in Year 3 provided the appropriate optional units have been selected and an average mark in Semester 1 of 60% has been obtained. Any student interested in changing programme at this stage should discuss it with the Year 3/4 Director of Studies.

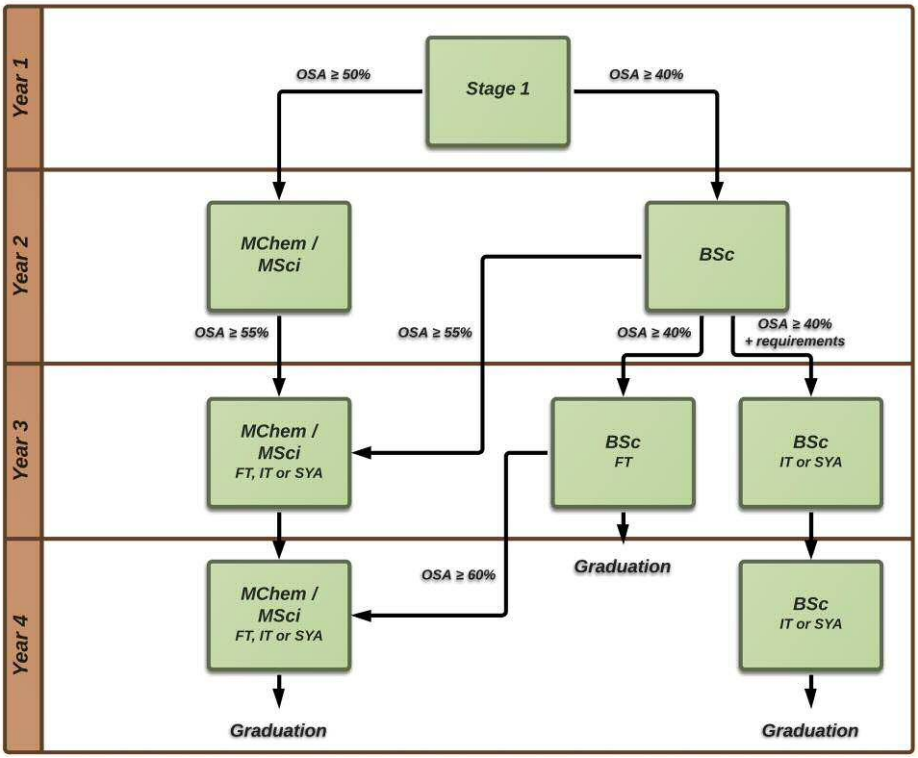
The current Placement and Study Year Abroad (SYA) threshold requirement is an average in Year 1 of at least 40%; for some SYA partner universities where demand is high (*e.g.* USA) and for Industrial Placements an average higher than this will be required. There are additional Departmental requirements to undertake to be allowed to proceed with a placement or SYA application – these will be explained in a briefing towards the end of Year 1.

Those students studying chemistry who intend to make their career in the professional practice of the subject will have the opportunity of studying for MChem (MSci in Chemistry with Management) rather than BSc if they maintain a performance at the appropriate level. The implications of this and the variations of the MChem/MSci courses will be explained during the year. In the Final Year of the BSc and Years 3 and 4 of MChem/MSci, there is a wide range of options for you to choose from so that you can follow the branches of the subject(s) which interest you most.

Minor changes between programmes will occur either by choice or because you have failed to meet the requirements for a particular programme of study; *e.g.* changing from year abroad to placement, or moving off the MChem/MSci programme if you do not maintain a 50% average in Year 1, and/or a 55% year average in Year 2.

This is summarised in the following flowchart:

OSA is overall stage average (*i.e.* credit-weighted average for the year of study)*
FT is full-time, IT is industrial training and SYA is study year abroad.



* This above text and flowchart use "Year" where some University documentation uses "Stage": there is a subtle distinction between these terms which is most relevant for part-time programmes. Within the Department of Chemistry, the two terms may be considered synonymous for most purposes and usually we use "Year".

Other University documents (in particular "NFAAR" – see below) also mention "Parts" of a programme. In the context of Chemistry programmes, the first year is Part 1 (which does not contribute to the final degree classification) and the final year is Part 3; all years that come between these together make up Part 2.

Programme Structure

Full time programmes (USCH-XXXXX is the programme code and used at Bath for us to know the programme you are on)

USCH-AFB01	BSc (hons) Chemistry
USCH-AFB07	BSc (hons) Chemistry for Drug Discovery
USCH-AFB03	BSc (hons) Chemistry with Management
USCH-AFM02	MChem (hons) Chemistry
USCH-AFM05	MChem (hons) Chemistry for Drug Discovery
USCH-AFM07	MSci (hons) Chemistry with Management

Study year abroad programmes

USCH-AAB02	BSc (hons) Chemistry with Study Year Abroad
USCH-AAB08	BSc (hons) Chemistry for Drug Discovery with Study Year Abroad
USCH-AAB04	BSc (hons) Chemistry with Management with Study Year Abroad
USCH-AAM03	MChem (hons) Chemistry with Study Year Abroad
USCH-AAM06	MChem (hons) Chemistry for Drug Discovery with Study Year Abroad

Thick sandwich programmes

USCH-AKB02	BSc (hons) Chemistry with Industrial Placement
USCH-AKB08	BSc (hons) Chemistry for Drug Discovery with Industrial Placement
USCH-AKB04	BSc (hons) Chemistry with Management with Industrial Placement
USCH-AKM02	MChem (hons) Chemistry with Industrial Placement
USCH-AKM03	MChem (hons) Chemistry for Drug Discovery with Industrial Placement
USCH-AKM07	MSci (hons) Chemistry with Management with Industrial Placement

To find the most up to date information about the content of your programme and any current unit options go to go.bath.ac.uk/catalogue and select the current year of study and Chemistry. Unit availability may change from year to year.

Units may be removed or added from time to time and the online programme catalogue will be updated accordingly.

Note: University documentation uses the following terms in relation to programmes.

> **Designated Alternative Programme** (DAP): failure to meet the threshold to continue on (say) an MChem programme may lead to a student being transferred to a BSc programme, which is the DAP for the MChem. The MChem is said to be "**coexistent**" because it has a DAP. The BSc is sometimes said to be "standalone" because it has no DAP: failure to meet the threshold to continue on the programme leads to withdrawal from the University.

Appendix A has full details of the structure of each programme listed above.

Professional Body Accreditation

All programmes are accredited by the Royal Society of Chemistry.

Project Work

In your third and/or final year of study you will undertake project work. This will vary according to your programme and options that you choose. Depending on your degree programme there are literature, dissertation, University Ambassador Scheme (UAS), public engagement and research projects available. A list of titles and brief descriptions of these projects will be available in a separate booklet or on Moodle at the start of the academic year. Please read these descriptions carefully and talk directly with members of the academic staff for further information. There will also be a poster presentation about research going on in the Department that may help you decide on research project areas. This will be given by members of staff during Week 1 in 1 South. We will endeavour to satisfy student preferences but, owing to pressure upon available resources, we can provide no guarantee that you will be allocated your first-choice area. An e-notice will be posted to inform you of the allocation of projects. There will be a safety induction before you will be able to start laboratory work.

Your project work is worth a large proportion of your credits and should therefore amount to an average of between two and five days work per week in one or both semesters *depending on your programme.* The Year 3 / Final Year timetable makes Tuesdays and Wednesdays largely available for project work, but other times may be possible with the agreement of your supervisor. Remember, this time allocation needs to cover *all* aspects of your work – practical, preparation time, background reading, preparation of assessments *etc*. The precise distribution of time during the week and between semesters should be discussed with your supervisor.

Formal assessment of projects will take place toward the end of the appropriate semester and will comprise of several parts. These will vary according to the unit taken but may include the *written report,* an *oral presentation,* and a *viva-voce* examination with a panel of assessors; details will be given nearer the time.

Your supervisor will be issued with an accounting code against which any approved expenditure incurred for the project should be charged. *Spending must be agreed in advance with your supervisor*. Included in this sum is an amount to cover preparation and copying of your final report *etc*. The department will meet the cost of report binding *etc* if required.

Departmental Assessment

All of the Department's programmes are fully compliant with the University's New Framework for Assessment: Assessment Regulations (NFAAR), and these regulations apply to all students.

Further information about the (NFAAR) is available at go.bath.ac.uk/ka6q and later in this handbook.

Calculation of an Overall Stage Average (OSA) or End-of-Year mark

A student's mark in each year (OSA) is obtained by a weighted average of the marks for units he/she has taken in that year. The unit marks are weighted according to the number of credits they are worth. Note that the marks obtained in 'extra' units (above the 60 credits of your programme) in *e.g.* languages during Years 1 and 2, do not contribute to the OSA, although they will appear on a student's transcript.

The NFAAR describes the rules for progression from one stage of the programme to the next (including supplementary assessment, and the extent of failure that can be condoned) as well as for the award of degrees. You will be assessed according to these rules; further information about the NFAAR is available at go.bath.ac.uk/ka6q.

The Teaching Programme

Lectures are the main method for introducing new concepts and defining the syllabus. For each six credits, a unit will typically offer 3 lectures/workshops per week.

Small group tutorials (typically 6 students) will be held at the rate of one per week throughout the year in Years 1 and 2. Allocations of students to groups and the precise timetable to be followed will be published separately and distributed during induction meetings. The tutorial format will vary but will normally involve solution of problems or preparation of longer written type answers, which will be discussed at the session. Sometimes, a hand-in of work for marking prior to the tutorial may be required. Specific slots are included in the timetable for tutorials but other mutually acceptable times could be used instead *e.g.* if the time clashes with an option lecture or a teaching commitment for your tutor. ***It is a matter of courtesy to inform your tutor before the tutorial if you cannot attend a tutorial at the arranged time*** and the reasons for non-attendance at any tutorial should be discussed with the appropriate tutor. We regard tutorial attendance as **compulsory** as this is our major route to monitoring your progress and attendance. **Students who regularly miss tutorials will be regarded as failing to engage with their programme.**

Problem-based workshops will operate during the weeks using the timetabled lecture slots. The staff teaching the unit will inform you when these are. For some units these will be distinct from the lectures, whereas for others the problems will be integrated into the lectures. In addition, some *ad-hoc* workshops in extra problem solving may be organised on an informal basis.

Lectures, workshops and tutorials (along with the practical classes described below) are the major components of the teaching programme. However, the most important part of a university education is what you ***study in your own time.*** You should get into the habit of reading around topics in textbooks. Also, a variety of computer-aided learning is available, for example, video material in laboratories and on Moodle. Individual lecturers will direct you to appropriate sources to support their units. Most lecturers will make use of Moodle for posting lecture-related material and directing you to relevant sources etc. You will find past examination papers on the Library web site at: www.bath.ac.uk/library/exampapers/exam1.php

Key Skills Programme

On your timetable you will notice hours allotted to Key Skills. These are sessions dedicated to subjects such as how to find scientific information, how to avoid plagiarism, CV preparation, how to write a lab report etc. Whilst voluntary, they are extremely useful to attend as they offer a great deal of information and support for your studies.

Laboratory Work

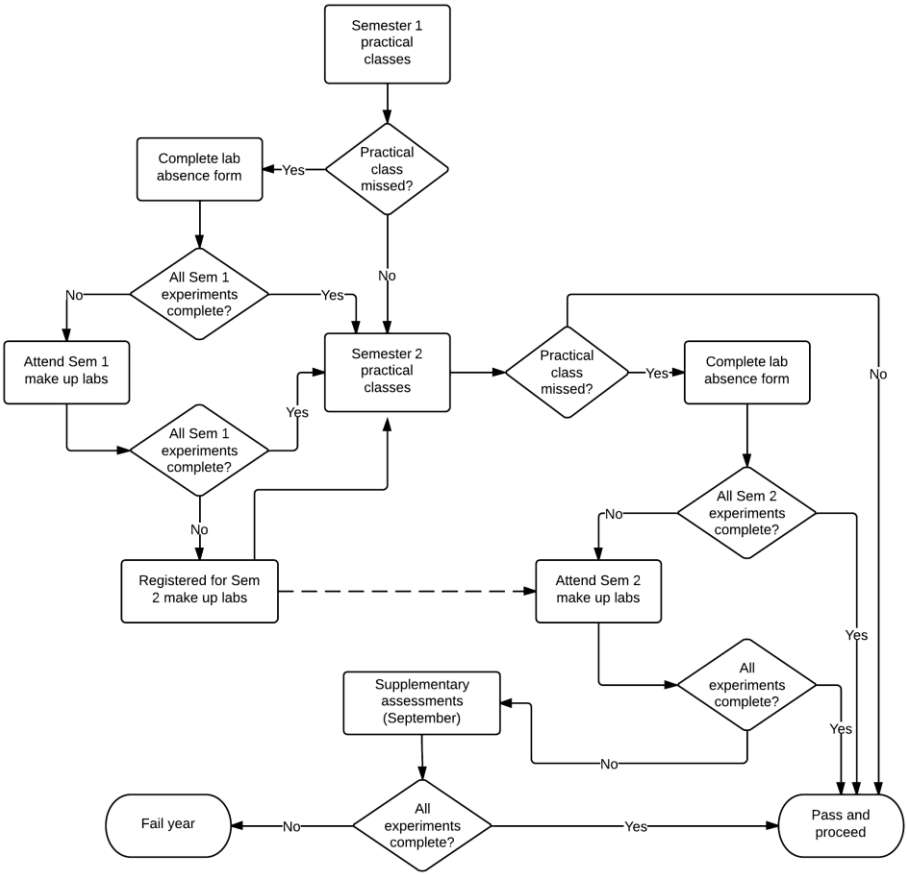
Chemistry is a practical subject and an important aim of the course is to develop technical expertise, as well as encouraging a scientific approach to thinking about and writing up experiments. Laboratory reports are considered as a coursework assessment. In Years 1 and 2 you will be in the chemistry laboratories for one to one and a half days every week. In the final year this will vary according to your programme of study.

Laboratory Attendance Procedures

The following rules apply to all chemistry practical classes from Year 1 to the final year and include the laboratory component of the Natural Science courses.

1. Attendance at **ALL** practical classes is compulsory for **ALL** students, and you are expected to complete **ALL** assessed experiments.
2. If you miss a practical class, or part thereof, you may be able to make up the work in the remaining sessions left (see point 3 below). However, in many cases this will not be possible and so there will be two days of 'make up' labs at the end of each semester where you have an opportunity to catch-up missed experiments. The dates of these for this academic session are provisionally set as follows: **Year 1**, **Semester 1, week 11** and **Semester 2, week 35** and **Year 2, Semester 1, Week 17** and **Semester 2, Week 35**. You should make a note of these dates. In the event of examination clashes they may be moved to other days during the University assessment period.
3. In order to be eligible for these make-up sessions you MUST submit an electronic lab absence form for each day missed by no later than one week from the session. The form is available on the department's **Moodle site (Chemistry Undergraduate Information Hub).**
4. As there are only two days of make-up labs at the end of each semester, this will clearly limit the number of experiments you can catch up during each semester. If you fail to make up all experiments missed in Semester 1 then this rolls over and you will need to attend the make-up labs in Semester 2 as well.
5. Make-up labs are designed for genuine reasons for lab absence only, *e.g.* illness, family emergency, attending placement interviews, or a sports event where you are representing at university level. You may be asked to provide supporting evidence - particularly if multiple labs are missed.
6. If practical classes have been missed and not caught up during the make-up labs, this will normally result in the failure of the unit.
7. In the event that genuine mitigating circumstances mean that you have been unable to complete 100% of all assessed experiments, the Director of Studies may allow you to carry out the missing experiments during the supplementary assessment period (August/September). You will need to supply supporting evidence. Failure at this point will mean you are not able to progress to the next year of study.
8. The minimum pass mark (40%) must be achieved in all lab units along with a PASS attendance mark since for all chemistry programmes these are Designated Essential Units (DEUs).

Laboratory Schedule



School of Management Units

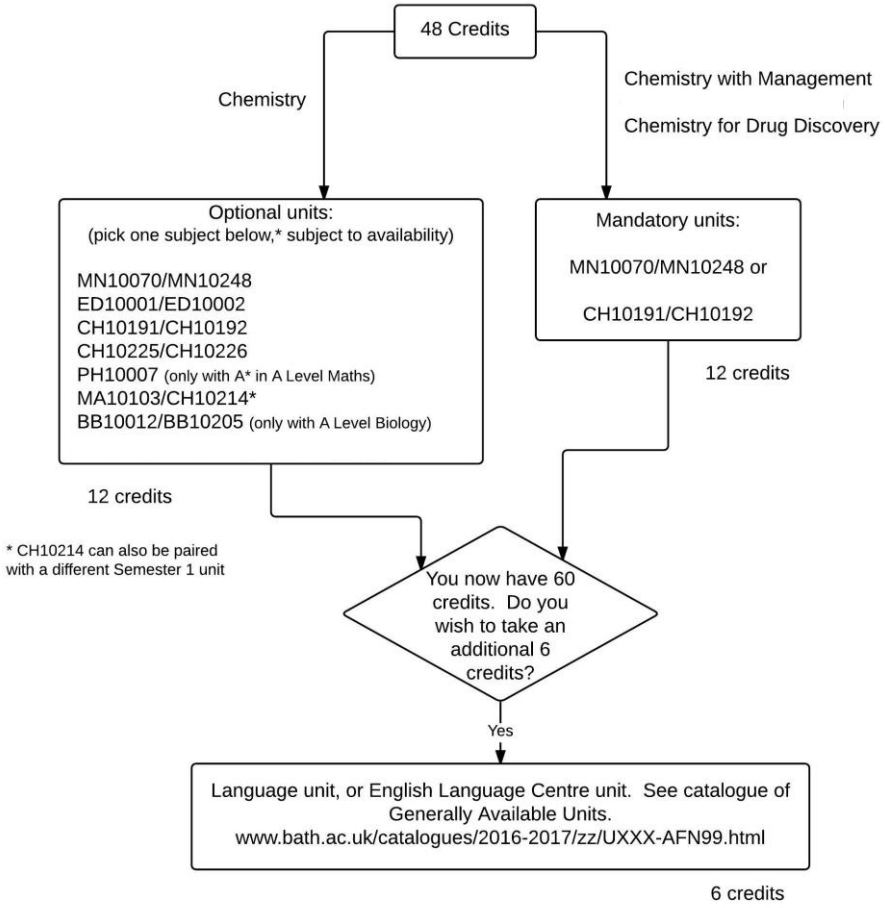
Some departments in the University have a policy that every individual element of assessment must be passed in order for a whole unit to be passed. *This particularly affects Chemistry students taking Management units.* **Beware**: it is essential to pass each coursework component of an "MN" unit (*e.g.* a mid-semester MCQ test) as well as the end-of-semester exam, even if the weighted average of the unit as a whole ≥ 40%; failure of one component not only requires supplementary assessment in that component but also causes the mark for the whole unit to be capped at 39%. This can have severe consequences for a student's progression on a Chemistry programme.

Option Choices

Year 1 – Options for Year 1 students are detailed in the flowchart below. This will be explained to you in detail during Induction Week, but if you need clarification contact your Director of Studies, Dr Fiona Dickinson.

Final years – You will be asked to make your choices via SAMIS in the April preceding your final year. The Department of Chemistry has a Moodle course on unit choices in order to help you decide on your options and there will also be a Key Skills event that will help you find out more about each optional unit from students who have taken it or are currently taking it.

Final years – You will be asked to make your choices via SAMIS in the April preceding your final year. The Department of Chemistry has a Moodle course on unit choices in order to help you decide on your options and there will also be a Key Skills event that will help you find out more about each optional unit from students who have taken it or are currently taking it.



Mathematics

Mathematics skills are essential for all undergraduate chemists especially, though not limited to, study of the units in physical chemistry. While much of the required mathematics is embedded into the chemistry units, there are a number of ways in which Year 1 students can improve their mathematics skills.

ALL students will take a mathematics test in Week 1 as part of the Foundation Laboratory. This allows the academic staff to judge the mathematical ability of each student, and help them accordingly. Students who do not pass the Week 1 test need to attend a series of mathematics lectures as part of the Foundation Laboratory (CH10009). Progress will be assessed by an examination at the end of Semester 1 which contributes 25% towards the unit mark. Students who only narrowly pass the Week 1 test are also strongly encouraged to attend the CH10009 mathematics lectures.

Students on Chemistry degrees (*i.e.* those not taking Chemistry with Management, Chemistry for Drug Discovery) also have the opportunity to take Mathematics as their Year 1 option (see later). There are two possible options, depending on qualifications.

- Students with a Grade A* in A Level Mathematics can choose to take the year-long 12-credit unit *Mathematical methods for physics* (PH10007).
- Students can choose to take *Mathematics for Chemistry* (CH10214) in Semester 2. This is normally coupled with either *Foundation Mathematics 1* (MA10103), for students without A Level Maths, or *The Chemistry of Everyday Things* (CH10225) in Semester 1.

Timetable and Key Dates

Programme and unit timetable information can be found online at: www.bath.ac.uk/timetable

You can also use MyTimetable to create a customised programme timetable that can be downloaded into an electronic calendar: www.bath.ac.uk/timetable/MyTimetable.htm

A full teaching programme takes place in Semester 1 in Weeks 1-11, before Christmas. Week 15, immediately following the Christmas vacation, is for revision and two weeks of assessment then follow. The schedule of examinations will be published when it is available in mid-December.

The teaching programme recommences at the beginning of February and lasts for eleven weeks, split by the Easter vacation in weeks 28 - 29**.** In Semester 2, Week 32 there will be a revision week followed by examinations on second semester and all-year units, with the academic year ending at the end of May.

Results will be available through SAMIS, the University's student information system, and you will be informed in advance the dates on which they will be available.

In the event of failure to pass units in Years 1 and 2, supplementary examinations will be held in Bath in the period 15th Aug – 24th Aug 2018. **You are advised to consider these dates when planning your summer holidays or other overseas trips.** Please note that it will not be possible for you to take a supplementary examination at a venue overseas.

The precise dates will be notified to you via your SAMIS web page as soon as they are confirmed following the summer examination boards.

Examinations

Your work in the Department of Chemistry is assessed in several different ways, all of which contribute towards your final degree classification or eligibility for a particular programme of study. The most important, in terms of marks, are the end-of-semester exams. In addition, some lecture courses have assessed coursework associated with them. Details of the contribution of these assessments and examinations are available on the unit catalogue: go to go.bath.ac.uk/catalogue and select the current year of study and Chemistry.

The timetable for examinations will be published as soon as it is known, and your personal examination timetable will be accessible via the SAMIS webpage:

go.bath.ac.uk/SAMISlogin

Detailed information regarding the examination timetable, coverage of papers etc. will be displayed on Moodle and the Examinations notice board in 3 South when it is available, well in advance of the examination period. This will include the rubrics of the examination papers. Note that for the majority of chemistry units you will not be allowed to take your own books, notes or calculator into the examination (you may have a few 'open book' examinations). You will be provided by the University with a calculator for the examination - currently a model Casio FX-85ES. You should familiarise yourself with this model prior to the examination period (a calculator is available to borrow from the Library). You will also be provided with a chemistry data sheet containing a Periodic Table and fundamental constants. Copies of this will be available for study prior to the examination period.

Placements

The University is committed to supporting placements in order to enhance the vocational relevance of its programmes and the learning experience of its students. Each Faculty and the School has a dedicated placements team to support and guide you through the process of applying for, securing and successfully completing a placement. The contact details for your Placements Manager and Placement Tutor can be found in the front of this Handbook.

You can expect to receive placement preparation support on the application process (i.e. CV writing, production of covering letters and applications, interview skills, assessment centres) as well as practical placement support (such as where to find information on visas, accommodation, money etc).

Before going on placement you will receive a University Placement Handbook containing generic advice and information for whilst you are on placement:
www.bath.ac.uk/internal/placements/documents/Placement_Handbook.pdf

You will receive programme specific information directly from your Department. If you are on a placement of one semester or longer in the UK you can normally expect to be visited by staff at least once during your placement. If you are on a placement overseas, staff will either visit, where practical, or arrange an alternative way of keeping in contact.

During the placement you will be expected to complete the Personal Objectives and Learning Outcomes forms (POLO) or equivalent (which helps you to structure your placement objectives and personal development)

A re-induction activity will be conducted to welcome you back from placement and update you on any changes that may have occurred at the University during your time away.

Chemistry students have the option of undertaking their third year on a professional placement. The placement scheme aims to show students chemistry in a real-life setting and to enforce the lectures that you will receive in the first two years of your studies here in Bath. For MChem students, the placement contributes towards the degree classification, and is accompanied by some distance learning. For BSc students, the placement is pass or fail and does not count towards the degree classification.

The majority of placements are in the UK although we also have links with companies based in Europe and further afield. The application procedure starts at the end of Year 1. Support is provided from the Placements Tutor (Dr Jonathan Cox) and the Faculty Placements Team (Helen Edwards and Esther Reeves) during the application process and whilst on placement. The assessment of the placement occurs in various ways - you will be required to write a report, your placement supervisor completes two questionnaires about your performance, and you are required to give a presentation at the placement conference (held at Bath in the February of your placement).

It is our experience that, in the increasingly competitive market for placements, students with an average of less than 50% struggle to find places. The better you do in Year 1 the more likely it is you will land a placement. If you want a good placement, don't try to coast through the first year!

Further information

University Placement Handbook / information for placement students:
www.bath.ac.uk/internal/placements/information-for-students.bho

Study Year Abroad

As an alternative to the placement scheme, students have the option of undertaking their third year at an overseas university. For MChem students, the study year abroad contributes towards the degree classification, and is accompanied by some distance learning. For BSc students, the study year abroad is pass or fail and does not count towards the degree classification. MChem students must carry out a research project as part of their year abroad.

We currently have links with universities in mainland Europe (France, Germany, Spain, Finland), Australia, New Zealand, the USA, Canada and Singapore. The application procedure starts at the beginning of Year 2. Support is provided from the Study Year Abroad Tutor (Dr Randolf Köhn).

Prizes

The Department of Chemistry has a number of prizes associated with its programmes including best first year, second year and final year performance.

Unit and Programme Changes

We continually look for ways to develop and improve our programmes. For example:

- it might be desirable to make some updates to content to reflect the latest developments in a particular field of study
- a review of assessments across a programme (including feedback received) might identify that changes to a unit assessment would better support student learning.

Students who would be affected by proposed changes are consulted about them, either via their Staff/Student Liaison Committee or directly, depending on the nature of the change.

In addition, it is sometimes necessary to make changes due to unforeseen or unavoidable circumstances. For example:

- the accrediting body for a programme may require changes to be made to it
- it may not be possible to run a particular unit because a member of teaching staff with specialist expertise leaves the University and we are unable to find a suitable replacement
- it may not be viable to run a particular optional unit in a given year because very few students select it.

In such cases, the University will always try to ensure that any impact on students is minimised and that students are informed of the changes at the earliest opportunity.

All programme and unit changes are managed through a formal process set out by the University. The aim of this is to ensure that changes are academically appropriate and properly supported, take place in a timely manner, and safeguard the interests of students.

How your Programme is Reviewed and Monitored

The University has a number of mechanisms for ensuring that programmes remain up-to-date, issues are dealt with and improvements made.

All programmes and units are monitored annually, looking at what is working well and identifying any actions that need to be taken. Student feedback, including feedback given through unit evaluation and other student surveys, is a key part of unit and programme monitoring.

Departments also conduct periodic reviews of their programmes. These provide an opportunity for in-depth review and development, involving input from students and from an adviser(s) external to the University.

Study and support: Getting the most out of your studies

Accessing university email

You will need to use your unique username and password to access your University email account. You are able to access your email by going to http://mail.bath.ac.uk

Your username also forms your email address (username@bath.ac.uk).

The University will often communicate with you about a range of important matters including registration, unit enrolment, assessment, degree ceremonies, and matters such as tuition fees, via your University email account. So that you do not miss out on (and as a consequence fail to act on) important information, it is a University requirement (Regulation 1.3) that you access your University email account regularly, even if you are out on placement or study abroad.

You therefore have a responsibility to ensure that your University email account can receive incoming mail and that you read your email regularly.

Further information

Email guidance: www.bath.ac.uk/bucs/email
Regulation 1.3: www.bath.ac.uk/regulations/Regulation1.pdf

SAMIS

SAMIS is the University's student records database. It provides an online portal where you can view details about your registration, update your contact details, and do other things such as viewing exam information, viewing your confirmed assessment results, and (where applicable) choosing optional units.

Further information

www.bath.ac.uk/samis

Moodle

Moodle is the Virtual Learning Environment (VLE) used at the University of Bath. It is used by academic Departments to support learning and teaching at programme and unit level. It provides a platform for the delivery of resources and online activities, and can also support student interaction and collaboration.
moodle.bath.ac.uk/

Personal Tutor System

On entry to the University, you will be assigned a Personal Tutor who will help you to get the best out of your university experience. Your Personal Tutor will:

- support you in your academic progress and personal development
- discuss with you programme choices, placement opportunities and future career plans
- provide you with a reference for your placement or career
- guide you to sources of expert help with any personal/welfare issues.

You should expect to meet with your Personal Tutor on at least three occasions in your first semester at the University and at least once per semester thereafter. This enables you both to get

to know each other, such that you can raise any issues with your tutor and your tutor can support you fully through your programme. It is important that you attend scheduled meetings with your Personal Tutor and let them know in advance if you cannot attend. Many of these meetings may be in small groups but you can also request a personal, one-to-one meeting at any time.

If you should have reason to wish to change your Personal Tutor please contact your Director of Studies to discuss the matter.

Further information

www.bath.ac.uk/students/support/academic/personal-tutors

Academic Skills Support and Development

To help you get the best out of your studies and your future employability, we offer all our students a comprehensive range of free, year-round skills and personal development opportunities designed to complement your academic programme.

These opportunities have been designed to give you choice and flexibility to help you get the support and development you need at the time you most need it. You can choose from classes, tutorials, drop-in sessions, workshops and online resources to develop your academic skills, for example to:

- create well-written, clearly structured essays, reports and dissertations
- think critically in order to enhance your writing
- manage information sources and literature effectively
- give polished and effective academic presentations
- manage and analyse numbers, data and statistics
- enhance your existing language proficiency, or learn a new language
- use IT tools and resources effectively.

There are many other opportunities also available to you through our Careers Service and Students' Union to help you develop your skills and prepare for the workplace. For example:

- writing an effective job application and CV
- succeeding at interview or assessment centre
- leading and managing projects
- chairing meetings
- running a club or society.

Further information

Find out more about the skills support and development opportunities available here:

http://go.bath.ac.uk/skills

Recognition for Extra-Curricular Activities: The Bath Award

The Bath Award recognises and accredits the skills and achievements of students engaged in all types of extra-curricular activities. It operates alongside your degree programme and aims to capture the extra-curricular achievements at University that you will find valuable in your future life and career.

Further information

thesubath.com/bathaward

The Library

The Library is open 24 hours a day and provides print and electronic materials and information services to support study and research across the University. It houses over 520 PCs, wireless networking throughout, and provides areas for both quiet individual study and group work. Alongside 340,000 printed books, it offers over 22,000 electronic journals, 425,000 electronic books, 90 databases and digital versions of the University's academic publications, all available across the University and beyond. The Library's copy and print service includes black and white and colour photocopying, laser printing and scanning.

Information specialists, known as Subject Librarians (see the Department's library resources page below), are responsible for services to individual Departments/the School. They provide individual help to students and staff, as well as teaching information skills in Department and School programmes and through general University skills provision. All new students receive library introduction sessions during the induction period.

Our Subject Librarian is: **Linda Humphreys** L.J.Humphreys@bath.ac.uk

Further information

This Department's Library resources page is go.bath.ac.uk/4zjb
For information on all library services and resources www.bath.ac.uk/library

Computing Facilities and IT skills

With your username and password, you will be able to access one of over 1,000 workstations across campus. These enable you to use email, the internet, file storage, Office applications such as Word and Excel, and often give access to the more complex software used on your programme. All computers print to photocopiers in the Library and around the campus, for which there is a charge per page.

With your username and password you can also register your own laptop, smartphone or tablet for connection to the campus wireless network (which covers spaces such as communal areas, the Library and cafés) or to around 150 student docking ports. You can use your own device to access many University applications using a service called UniDesk. Find out more about this at: http://go.bath.ac.uk/unidesk

Support is available from the IT Service Desk on Level 2 of the Library or online at: www.bath.ac.uk/computing-services

Tutorials and Frequently Asked Questions (FAQs) are provided in the help section.

If you have a disability or require learning assistance, Computing Services can support you with your computing needs. An Assistive Technologist is available to provide advice and support. Additional resources available include a purpose-built room, specialist software and computer hardware - including laptops for loan.

The IT shop in the Library stocks popular products such as academic software, DVDs, network cables and headsets. You can order many further IT products through the shop. Prices are often lower than in high street shops.

You can also borrow technology from the Service Desk in support of your studies, for example audio recorders, video cameras and projectors.

It is essential students ensure that they have backups of work as no allowance can be made for "lost" or "corrupted" files. The university provides a network location (H: drive) for all students, which is backed up by Computing Services. It is recommended to use this location for all important files. The H: drive can be accessed from any internet connected computer via a VPN connection (see the Computing Services website for details of how to set this up).

Further information

Computing Services: www.bath.ac.uk/computing-services
Information for new users: http://go.bath.ac.uk/newusers
Information for users with a disability or learning difficulty: http://go.bath.ac.uk/assistive-technologies
IT shop: http://go.bath.ac.uk/ITshop
Computing Services Twitter Feed: @UniofBathIT

Recording of Lectures

'Lecture capture' technology is widely used on campus to record lectures. Lecturers on your units will inform you if lectures will be recorded and the recordings made available for you to view again online. Where provided, lecture recordings are made available as an additional resource for personal study and revision purposes, and you can pause and rewind recordings when you re-watch them. The University cannot guarantee recordings (for example in the event of a technical fault) and recordings are not made available indefinitely.

As set out in Ordinance 22.4, students are not permitted to copy or redistribute lecture recordings, or to make their own recordings of lectures. However, the University may permit students with a disability to record lectures where this is a reasonable adjustment under the provisions of the Equality Act, in order to give these students equal access to educational opportunities. In such circumstances the lecturer will be informed that the lecture is being recorded and the student may use the recording for their own personal study purposes only. Students with a disability should contact the Disability Service for further advice.

Further information

Ordinance 22: www.bath.ac.uk/ordinances/22.pdf
Disability Service: www.bath.ac.uk/groups/disability-service

Student Representation

Feeding Back Your Views to the University

The University is committed to reviewing and continually improving its practice. The main ways in which we seek feedback are through:

(a) Staff / Student Liaison Committees (SSLCs)
(b) surveys
(c) the Students' Union.
We also use focus groups, Departmental working parties, and various kinds of feedback session.

You can get actively involved in determining how your educational and student experiences are organised by becoming active in the Students' Union or by letting your Department know that you are interested in contributing.

Every Department has a formal system so that all students can comment routinely, in confidence and anonymously on the learning experience they have received. Such comments help us to check that:

- you have a clear idea of the aims and requirements of each unit you study
- our teaching is effective and stimulating
- the advice and feedback we provide on your work is helpful
- our resources are suitable.

You will be asked to complete a short online unit evaluation for units you have studied. You will also be asked to complete surveys periodically on your experience of the programme as a whole. Please complete each evaluation fully, thoughtfully, and candidly. In particular, please tell us not only your opinion but also the *reasons* behind your opinion.

When we receive responses to evaluations, we analyse them – especially the positive suggestions for change and concerns that are voiced. Reports of unit evaluations are uploaded to Moodle for you to see. Student feedback and the resulting actions are taken into consideration in annual monitoring of units and programmes. Survey results are discussed at committees where student representatives have the opportunity to input to action plans developed in response to the issues raised.

Your feedback is important to both the University and the Students' Union. Please keep telling us what is going well and what needs to get better. We will communicate how feedback on units and programmes, and the wider student experience, has been acted upon.

Student representatives

As a student of the University you are automatically a member of the Students' Union (although you have a right to opt out - see section below on **Students' Union membership**). Officers of the Students' Union represent students' interests on University decision-making bodies. In addition, numerous elected student representatives play important roles on various Departmental, Faculty/School and University committees.
All student representatives are elected through online elections facilitated by the Students' Union.

There are many opportunities for elected student representatives. If you are elected to serve on Departmental, Faculty/School or University committees you will be expected to represent the views of your fellow students and provide feedback following meetings.

Student Representation on Committees

Departmental level: Each Department has at least one Departmental Staff / Student Liaison Committee (SSLC). These comprise several elected student members, known as Academic Reps, and an equal or smaller number of staff members. Academic Reps are elected at the beginning of every year through online elections. Their role involves collecting the views of the students on their programme and attending SSLCs where they represent these views to their Department.

Each SSLC produces an Annual Overview Report briefly outlining their work and highlighting good practice, the key themes explored and the actions that have been taken as a result. The Students' Union reviews all these reports and prepares a summary report for the University highlighting issues which need to be addressed by the institution as a whole.

There is also provision for student membership of the Department Learning, Teaching and Quality Committee: normally one undergraduate and one postgraduate (taught) representative.

Academic Reps attend Students' Union Academic Council meetings. These take place every three weeks during semester time in order to:

- keep Students' Union Officers and fellow Academic Reps informed of academic developments throughout the University
- discuss common problems and interests affecting Departments
- gather student opinions and views to be used by the University and the Students' Union
- update Academic Reps on key issues.

Do feel free to approach your student Academic Reps at any time to inform them of good practice or areas for enhancement in your units and programme. This is normally the person who represents your year or degree scheme on the Departmental SSLC.

Faculty/School level: Student representatives are also elected as Faculty Reps to sit on a number of Faculty/School level committees such as the Faculty/School Board of Studies and the Faculty/School Learning, Teaching and Quality Committee. Faculty Reps are also members of the Students' Union Academic Exec Committee.

University level: University committees with student representation include the Council/Senate/Students' Union, the University Learning, Teaching and Quality Committee, the Programmes and Partnerships Approval Committee, and Senate.

If you are interested in opportunities to represent student views, please contact the Students' Union: academicreps@bath.ac.uk

The Students' Union runs a full training programme for student representatives including an online course in Moodle, a conference and additional sessions through the Skills Training programme.

If you need to raise a concern, remember there are various routes open to you. You can discuss issues directly with a lecturer, your Personal Tutor, or the Director of Studies. Individual problems are often more readily resolved in this way. The Students' Union Advice and Support Service, described below, also provides students with information and confidential advice.

Further information

Your SSLC: Chemistry undergraduate information hub moodle.bath.ac.uk/course/view.php?id=714

Students' Union Academic Representation including contact details for Academic Reps: thesubath.com/academic
Election of Academic Reps: thesubath.com/elections
Students' Union Skills Training programme: thesubath.com/skills-training
Outline election procedures are included in QA48 Student Engagement with Quality Assurance and Enhancement, Annex A: Staff/Student Liaison Committees: www.bath.ac.uk/quality/documents/QA48_Annex_A.pdf

Students' Union Membership

All students registered with the University are automatically given membership of the Students' Union; however you have the right not to be a member. For further information on opting out of this membership, please go to the Code of Practice for the Students' Union: www.bath.ac.uk/university-secretary/guidance-policies/codeofpracticebusu.html

Student Support

Most students find there are occasions when it can help to talk to someone about a personal problem or issue. In many cases your Personal Tutor, Director of Studies, or Wellbeing Adviser (see the **Residential Life and Wellbeing Service** section below) will be able to help. However, sometimes more specialist help is needed. The University has a range of professional support services that you can approach directly. Your two main contact points are Student Services at the Roper Centre in 4 West and the Advice and Support Service in the Students' Union.

Student Services

Student Services can provide advice and support on a range of issues including:

- counselling and mental health
- disability issues
- money and funding
- residential life and wellbeing.

You can make an individual appointment or just pop in to our daily drop-in sessions.

Student Services can also provide letters confirming student status for a variety of purposes, which can be requested by logging on to SAMIS: www.bath.ac.uk/services/register-as-a-student-of-the-university-and-update-your-details

The Roper Student Services Centre in 4 West is open from 9.30am to 4.30pm throughout the year (tel: 01225 385538). Services are also available from the Virgil Building in Bath city centre.

For the full range of Student Services, see: http://go.bath.ac.uk/student-services or email studentservices@bath.ac.uk

The Students' Union Advice and Support Service

The Students' Union Advice and Support Service provides information for students on a range of topics affecting their education and welfare, including advice for students wanting to submit Individual Mitigating Circumstances claims (see the section in this Handbook on **Assessment**), to change their programme, or experiencing problems with their programme. The staff in the Advice and Support Service also offer support, information and representation at academic appeals, academic misconduct and disciplinary hearings, and information and advice on a wide range of issues which affect students including housing and welfare issues.

The Students' Union Advice and Support Service is open Monday to Friday 9.00am to 5.00pm in term time (from 10.00am on Fridays) and 10.00am to 4.00pm during vacations (tel: 01225 386906, email: suadvice@bath.ac.uk)

The Advice and Support Service also supports the Diversity and Support groups – details of which can be found at: thesubath.com/diversity-support

The Students' Union webpage provides the facility for students to report incidents of harassment, discrimination or bullying. Incidents can be reported anonymously if preferred. Details of how to report an incident are available at: thesubath.com/report-an-incident

For the full range of services see: thesubath.com/support

Further information and contacts

A guide to the wide variety of support and information available to students can be found at: www.bath.ac.uk/students and the Students' Union website: thesubath.com

Residential Life and Wellbeing Service

The University's professionally qualified Wellbeing Advisers provide a welfare and wellbeing service to all our students. You can talk to a Wellbeing Adviser about anything and we are also available evenings and weekends.

We hold daily drop-in sessions on campus, including weekends and University vacations. Drop-in sessions are also held at the Virgil Building in Bath city centre and we run activities during vacations for students who remain in Bath.

Further information

www.bath.ac.uk/groups/residential-life-and-wellbeing-service

Advice for International Students

The Student Immigration Service provides a tailored pre-arrival and induction programme and advice and support for all international students, including a 'check and send' service if you need to send a Tier 4 visa application to the Home Office. The Service offers workshops, a drop-in service, advice via email, phone and web-based platforms, or individual appointments can be made through the Helpdesk in The Roper Student Services Centre, 4 West.

Further information

www.bath.ac.uk/visa

University-wide induction and welcome events are organised for incoming exchange students in the first week of each semester.

Further information

www.bath.ac.uk/campaigns/studying-at-bath-as-an-erasmus-exchange-or-visiting-student

For students who join outside of the standard semester dates, induction and welcome events are organised by the relevant Department.

Dealing with a Problem Involving the University

We want to ensure that, if you have a problem concerning the University, it is resolved as quickly as possible. As described above, there are student representatives on all formal decision-making committees – at Departmental, Faculty/School and University level. Student representatives help to anticipate potential problems and, when problems occur, to raise them so that they can be dealt with promptly. As a result we can often resolve problems *before* they get to the stage where a formal complaint might be necessary.

The Students' Union offers advice for students on a range of issues through its Advice and Support Service. Its advice is independent of the University. See the section above on **Student Support.**

Complaints

If you do need to make a complaint, there are procedures in place to deal with it, outlined in the University's Student Complaints Procedure (see below).
These procedures are designed to ensure that your complaint will be dealt with in good faith and that you will not be penalised for complaining. When we receive a complaint, we will first seek to deal with it through informal discussion. If this fails to resolve the issue at hand, you can raise the complaint formally.
In addition, there are procedures for requesting a review of progression or award classification decisions, or of the level of attainment. For information on these procedures, please see the section in this Handbook on **Procedures for Academic Appeals**.

Further information

Student Complaints Procedure: www.bath.ac.uk/regulations/Appendix1.pdf

Bullying, harassment and victimisation

We believe that all our students and employees are entitled to be treated with dignity and respect and to be free from unlawful discrimination, victimisation, bullying, or any form of harassment. This is set out in the University's policy, Dignity and Respect for Students and Staff of the University of Bath: Policy and Procedure for Dealing with Complaints (below).
This policy and procedure applies to all staff, students and third parties (e.g. contractors to the University).

Further information

Dignity and Respect Policy:
www.bath.ac.uk/equalities/policiesandpractices/dignityandrespectpolicy.pdf
On reporting incidents of bullying or harassment, see also the section in this handbook on **Student Support**.

Mediation

If you are involved in a disagreement or dispute, you can seek help from the University's Mediation Service. This service is impartial, non-judgemental, and confidential. Requests for mediation support should in the first instance be made either to the Mediation Service Manager, or the Students' Union Advice and Community Manager.

Further information and contacts

Mediation Service: www.bath.ac.uk/equalities/activities/mediation
Mediation Service Manager: Marlene Bertrand, M.Bertrand@bath.ac.uk (01225 383098) or Students' Union Advice and Community Manager: 01225 385863 or suadvice@bath.ac.uk

Advice for Students with Disabilities, Long-Term Illness, and Specific Learning Difficulties

If you have a disability and/or specific learning difficulty (such as dyslexia), we strongly advise you to speak to the Disability Service team, your Personal Tutor or Director of Studies as soon as possible and preferably before your programme begins. Referral to the Disability Service will enable us to assess your needs and make arrangements to support you.

Any personal information you give when disclosing your disability will be treated in confidence and made available *only* to relevant members of staff and only *with your permission*. If you don't disclose your disability it may be difficult for the University to provide suitable support to help you during your studies. Disclosure will not disadvantage you in any way.

The Disability Service provides advice, guidance, information and support for a range of needs including:

- Autism Spectrum Disorders/Asperger's Syndrome
- dyslexia and other specific learning difficulties
- mental health
- mobility impairments
- sensory impairments
- health conditions such as epilepsy, HIV, diabetes or chronic fatigue.

A screening process is available if you think you may have a specific learning difficulty/dyslexia.

Disability Advisers are also responsible for making applications for alternative arrangements for exams and assessments. Therefore, if you think that, because of a disability, you need alternative exam arrangements (such as extra time or the use of a computer) please discuss this with a Disability Adviser without delay.

Further information

www.bath.ac.uk/groups/disability-service

Pregnancy and Maternity

The University is committed to being as flexible as possible in supporting students who become pregnant, decide to terminate a pregnancy or have a very young child. You are not under any obligation to inform the University of these circumstances, but doing so will enable us to put in place arrangements that will assist you in undertaking your programme of study, particularly concerning laboratory work

You can seek advice, guidance and support via your Director of Studies, Personal Tutor and the University's Student Services.

Further information

www.bath.ac.uk/guides/getting-advice-if-you-are-pregnant-while-studying-or-have-a-young-child

Care Leavers and Estranged Students

The University is committed to supporting students from a wide range of backgrounds and circumstances including those who are care leavers, from a Foyer or are estranged from their family. We are aware of the challenges students may face when starting university and we want you to get the best out of your programme and university experience. We are able to offer you advice and guidance about settling in, academic studies, funding, accommodation, wellbeing and careers. The service we provide is confidential and entirely optional in relation to the level of support you feel that you may need.

Further information

www.bath.ac.uk/guides/financial-support-if-you-are-leaving-care
www.bath.ac.uk/students/finance/funding-advice/additional-financial-responsibilities

Careers Service

The University Careers Service can support you through the career planning process, whatever your career aspirations. In addition to providing support with developing your employability, and guidance on how to make informed career decisions, Careers Advisers will provide help with writing your CV, practising aptitude tests, and improving your interview skills. Being in regular contact with several hundred major employers, the Careers Service is also a fantastic source for graduate job vacancies for Bath students, as well as the organiser of several major careers fairs each year.

Further information

The Careers Service is open throughout the year, including the vacations.
Check the web site for opening times: www.bath.ac.uk/students/careers
The web site includes the *Myfuture* vacancies portal.

Contact careers@bath.ac.uk or 01225 386009 or follow the Careers Service on Twitter @CareersatBath or Facebook (search for BathUniCareers)

Assessment

Feedback to Students on Assessment

During your programme, you will receive feedback on assessed work. Feedback on assessments may take different forms, depending on your subject and the type of assessment. You will be informed of the timing and nature of the feedback you will receive on each assessment, including whether the piece of work itself will be returned to you. For formal written examinations, students may receive general feedback to the group rather than individual feedback. You can discuss feedback you receive on assessments alongside your performance and progress in your studies at meetings with your Personal Tutor.

The Department's Feedback Policy has been approved by the Faculty of Science Learning, Teaching and Quality Committee and is available on the Chemistry Undergraduate Information Hub on Moodle.

Academic Integrity Training and Test

As a student registered on a University of Bath award, you are required to undertake the academic integrity training and pass the associated test.

The academic integrity training aims to provide all students with a basic knowledge and understanding of good academic practice. This includes an understanding of plagiarism and other assessment offences, and skills necessary to reference your work appropriately.

The training and test are accessed from Moodle by clicking on the link entitled **'Academic Integrity Initiative'**: http://moodle.bath.ac.uk. All Chemistry students will receive instructions on how to take the test during their laboratory induction session.

If you have any access problems, then please contact Dr Fiona Dickinson (f.dickerson@bath.ac.uk) in the first instance.

When you have completed the training tutorial and are confident that you have understood it, you should undertake the test.

To pass the test you will need to achieve a mark of 85%. You can take the test as many times as necessary until you pass.

If you do not pass the test, you will need to re-visit the training and/or look at the other guidance available to you (see: www.bath.ac.uk/asc/study-skills/academic-integrity.html) or as required by your Director of Studies, and then take the test again.

You will not be able to progress beyond the next progression point in your studies, irrespective of your programme marks, until you pass this test. Ultimately this means that, if you have not passed the test, you will not be able to receive your award. Your Director of Studies will be able to confirm when the next progression point occurs for your stage of your programme.

Further information

Academic integrity: www.bath.ac.uk/asc/study-skills/academic-integrity.html
Regulation 3.7: www.bath.ac.uk/regulations/Regulation3.pdf

Plagiarism detection and personal data

When you hand in a piece of assessed coursework, you will be expected to make a declaration that the work is your own and, where you have re-used your own work and/or used other sources of information, that you have referenced the material appropriately.

The University uses the Plagiarism Detection Service, Turnitin. This service checks electronic, text-based submissions against a large database of material from other sources and, for each submission, produces an 'originality report'. It makes no judgement on the intention behind the inclusion of unoriginal work; it simply highlights its presence and links to the original source.

The service complies with European Data Protection legislation. When you registered with the University, you gave it permission to process your personal data for a variety of legitimate purposes. This includes allowing the University to disclose such data to third parties for purposes relating to your studies. The University, at its sole discretion, may submit the work of any student to the Plagiarism Detection Service (in accordance with Regulation 15.3e – see below) and may make, or authorise third parties to make, copies of any such work for the purposes of:

i) assessment of the work
ii) comparison with databases of earlier work or previously available works to confirm the work is original
iii) addition to databases of works used to ensure that future works submitted at this institution and others do not contain content from the work submitted.

The University will not make any more copies of your work than are necessary, and will only retain these for so long as remains necessary, for these purposes.

Please note that, if at any time the University submits any of your work to the Plagiarism Detection Service, the service will be provided with, and will retain, certain personal data relating to you – for example, your name, email address, programme details and the work submitted. Such data may be transferred by the Plagiarism Detection Service to countries worldwide (some of which may not be governed by EU data legislation) in order for the work to be checked and an originality report generated in accordance with the proper workings of the Plagiarism Detection Service. Personal data is retained indefinitely by the Plagiarism Detection Service upon submission of work. You may ask for your personal data to be removed by contacting the University's Data Protection Officer.

Further information

The University's procedures on Examination and Assessment Offences (QA53) are described at:
www.bath.ac.uk/quality/documents/QA53.pdf
Regulation 15, Assessment of undergraduate and taught postgraduate programmes:
www.bath.ac.uk/regulations/Regulation15.pdf
University's Data Protection Officer: 4 West 3.5 (dataprotection-queries@lists.bath.ac.uk).

Academic Integrity: Referencing and Plagiarism

Plagiarism is the use of any published or unpublished work without proper acknowledgement in your references. Plagiarism occurs when a student 'borrows' or copies information, data, or results from an unacknowledged source, without quotation marks or any indication that the presenter is not the original author or researcher.

Another form of plagiarism (and hence cheating) is auto-plagiarism or self-plagiarism. This occurs when a student submits work (whether a whole piece or part of a piece) without acknowledging that they have used this material for a previous assessment.

If you use someone else's work – say, by summarising it or quoting from it – you must reference the original author. This applies to all types of material: not only text, but also diagrams, maps, tables, charts, and so on. Be sure to use quotation marks when quoting from any source (whether original or secondary). Fully reference not only quotations, but also paraphrases and summaries. Such references should then be included in a bibliography or reference list at the end of the piece of work. Note that the need for referencing also applies to web-based material; appropriate references according to the type of work or image should always be given.

There are several acceptable methods of referencing material. Examples include the Harvard system and the Numeric system. For most reports in the Department of Chemistry it is recommended to use the Royal Society of Chemistry (RSC) system. **Ask your Director of Studies or Personal Tutor for further information and advice on the referencing system used on your programme.**

Guidance on referencing and plagiarism is available through skills training run by the University and the Students' Union, as well as online resources. Referencing guides are also available in print in the Library, and your Subject Librarian will be able to help with any questions.

Further information

For further information on all our skills and development opportunities see:
http://go.bath.ac.uk/skills
Academic integrity: www.bath.ac.uk/asc/study-skills/academic-integrity.html
Library resources: www.bath.ac.uk/library/infoskills/referencing-plagiarism
Students' Union Skills Training: thesubath.com/skills-training

Academic Integrity Penalties

Any student who is found to have used unfair means in an examination or assessment procedure will be penalised. 'Unfair means' here include:

- cheating - for example, unauthorised use of notes or course material in an examination
- fabrication - for example, reporting on experiments that were never performed
- falsification - for example, misrepresentation of the results of experimentation
- plagiarism, including self-plagiarism (see above)
- unfair collaboration or collusion - representation of work produced in collaboration with another person or persons as the work of a single candidate.

The University's Quality Assurance Code of Practice, QA53 Examination and Assessment Offences, sets out the consequences of committing an offence and the penalties that might be applied.

Penalties for unfair practice will be determined by the Department or by the Faculty/School Board of Studies in line with the procedures set out in QA53. They may include failure of the assessment unit or part of a degree, with no provision for reassessment or retrieval of that failure. Proven cases of plagiarism or cheating can also lead to an Inquiry Hearing or disciplinary proceedings. Claims of inadvertence or ignorance will not be accepted as a basis for mitigation of a penalty.

If you are accused of an offence, the Students' Union's welfare services are available to support you.

Further information

Examination and assessment offences: www.bath.ac.uk/quality/documents/QA53.pdf
Students' Union advice and support: thesubath.com/support

Word Counts

Written coursework tasks will normally have a word range or limit. This is in order to give an indication of the depth and detail of work required, and to ensure that students' submitted work is comparable. You will be required to declare the word count for your work when submitting it for assessment.

If you do not observe the given word range or limit for the coursework task, for example if you exceed the word limit, then a penalty will be applied. The penalty that would apply should be stated in writing when the assignment task is distributed. You should take note of what is included when calculating the total word count (e.g. whether or not contents pages, appendices, footnotes, bibliographies and other elements that are not part of the main text are included).

You should check with your Director of Studies if you have questions about word counts and penalties.

Late Submission of Coursework

You will be expected to hand in all assessed coursework and dissertations/projects by a specified date and time. This is to ensure fairness to all students who are submitting work.

If there are valid circumstances preventing you from meeting a deadline, your Director of Studies may grant you an extension to the specified submission date. Forms to request an extension are available from your Department. You will need to provide a description of the circumstances which you feel support your request. Your Director of Studies may ask you to produce supporting evidence.

Please note that:

- if you submit a piece of work after the submission date, and no extension has been granted, the maximum mark possible will be the pass mark
- if you submit work more than five working days after the submission date, you will normally receive a mark of 0 (zero), unless you have been granted an extension.

It is not usually possible to mark coursework anonymously if it is submitted after the deadline.

It is important that you speak to your Director of Studies as soon as possible if you become concerned about your submission deadlines.

See also the section in this handbook on **Submission deadlines**.

Individual Mitigating Circumstances

Individual Mitigating Circumstances (IMCs) are the conditions which temporarily prevent you from undertaking assessment or significantly impair your performance in assessment. As such, the measure of their severity is not about impact on you, but the impact on your affected assessment.

Full information and guidance on Individual Mitigating Circumstances and Assessment (including definitions of IMCs, in the document "What are Individual Mitigating Circumstances?") is available at: www.bath.ac.uk/registry/imc/imc-students.html

It is strongly advised that you become familiar with the available guidance so that you understand the process and timescales should such circumstances arise.

You should make yourself familiar with these definitions, in addition to any IMC guidance offered by your Department, and support and guidance offered through the Disability Service (www.bath.ac.uk/groups/disability-service) or the Students' Union Advice and Support Service (thesubath.com/support).

Your Department/School will be able to advise you on how to submit an IMC claim, and your Director of Studies can help you to understand the potential implications of your IMC claim on your overall progress and/or award, in light of your academic achievement to date and the assessment regulations for your programme.

Should you wish any IMCs to be taken into account by the Board of Examiners for Programmes when considering your progression or award classification, notify the Senior Tutor no more than three days after the affected assessment by completing the IMC report form available at: www.bath.ac.uk/registry/imc/imc-students.html

You will also need to submit evidence of how your circumstances affected the relevant assessment(s), for example, a medical certificate in the case of illness or injury.

If you know of a potential IMC that may affect your assessment before you begin an assessment period, it is important that you notify the Senior Tutor in advance. After speaking to the Senior Tutor, if you do intend to submit a formal IMC claim for the affected assessment(s), you will still need to complete the form and follow procedures.

Assessment Processes

Assessment and marking processes at the University are designed to ensure that assessment of your work is fair and consistent, and that academic standards are appropriate and comparable between the University and other higher education institutions. This is achieved in a number of ways.

Marking: Assessments you will complete during your programme are marked according to:

- *marking criteria (or assessment criteria)* - these are the knowledge, understanding and skills which it has been identified that students should demonstrate in the assessment and which are taken into account during marking. They are based on the learning outcomes being assessed
- *marking schemes* - these are detailed descriptions of how specific numbers of marks should be assigned against individual components of an answer within the assessment task

- *grade descriptors* - these are descriptions of the levels of achievement required in order to get a result within a given band of marks (e.g. 70% or more).

Anonymous marking: The University has adopted a principle of anonymous marking in order to protect students and staff from bias, and the perception of bias, in the marking process. It applies to all examinations and, where practical, other assessment. It is not possible to mark all coursework anonymously as in some types of assessment the student can be easily identified by the marker (e.g. presentations, group work, laboratory work) or it might not be practical, or in the student interest, to do so. You will be informed when your coursework is to be marked anonymously.

Moderation: Both the setting and the marking of assessments are independently checked through a process known as moderation to ensure that questions test the learning outcomes and are set at the right standard, and that marking is consistent and fair. Moderation is conducted by internal examiners and also by your External Examiner (see below).

Boards of Examiners:

Assessment decision-making at the University is the responsibility of Boards of Examiners established at three levels: assessment outcomes go first to *Boards of Examiners for Units*, then *Boards of Examiners for Programmes*, then finally to *Boards of Studies*. Boards of Studies confirm decisions relating to student progression from one stage of the programme to the next and the final award. The assessment marks you are given initially by markers are therefore provisional up until the point when they have been confirmed by the Board of Studies for your programme. An official release date is set when your confirmed results will be made available to you via SAMIS (the University's student records system). An appeal can only be made in relation to a confirmed mark (see the section in this Handbook on **Procedures for Academic Appeals**).

All marks for a unit are reviewed at a meeting of a Board of Examiners for Units which will verify that the assessment process has been conducted appropriately and that the marks are an accurate reflection of the standards achieved. On rare occasions a Board of Examiners may decide to recommend a change to the marks assigned initially, based on evidence that there was a problem with the assessment (for instance, disruption during an examination, or an exam paper that was too easy or difficult) which means that the marks assigned initially do not accurately reflect the standards achieved by the candidates. This adjustment is known as scaling and under these circumstances the marks of all affected students will be changed.

External Examiners

An External Examiner is someone from another University or a professional organisation who is suitably qualified and experienced in the relevant field of study. At least one External Examiner is appointed for each taught programme or group of programmes. The role of External Examiner is an important one in assuring that assessment processes are fair and academic standards are appropriate, and supporting the development of your programme. External Examiners look at draft examination papers and samples of assessed work, and attend Boards of Examiners.

Once a year, External Examiners provide a written report on each taught programme. University staff will look at these reports and a response will be made to the External Examiner's comments. Staff/Student Liaison Committees (SSLCs) also discuss External Examiner reports as part of annual monitoring activity. You can read the latest External Examiner report for your programme, and the

University's response to it, at:
www.bath.ac.uk/quality/externalinput/external-examiners-reports.bho

The External Examiners for your programme are:

Inorganic Chemistry - Prof John McGrady, University of Oxford
Physical Chemistry – Prof Andrew Horn, University of Edinburgh
Organic Chemistry - Prof Robert Stockman, University of Nottingham

It is not appropriate for students to make direct contact with External Examiners. If you are dissatisfied with the process or outcome of an assessment, and are considering whether to raise this either informally or formally, the sections of this Handbook on **Procedures for Academic Appeals** and **Dealing with a problem involving the University: Complaints** give some more information about the University's procedures for student complaints and academic appeals. The section on **Student representation** sets out how students can engage with the quality management process through which the University considers and responds to External Examiners' comments and suggestions.

Assessment Regulations

The University's **New Framework for Assessment: Assessment Regulations: Phase 1 for first-degree programmes ('NFAAR-UG')** specifies the rules governing students' progression from one stage of their programme to the next as well as for the award of degrees. The rules cover all areas of assessment, including supplementary assessment and the extent to which failure may be condoned. If you began the first stage of your programme in or after the 2008/09 academic year, NFAAR-UG applies to you. (If you began before then, please ask your Director of Studies for guidance on assessment).

Your programme is covered by the NFAAR-UG, so your work will be assessed according to its rules.

If at any time you are in doubt about how NFAAR-UG provisions apply to your work, please consult your Director of Studies.

This section highlights areas of the University's assessment framework for the type of programme you are undertaking. It explains the regulations that govern your assessment and outlines how the University makes decisions concerning your progression through your programme and award. Complete information is available in the NFAAR-UG document.

Important information

This section may contain terms unfamiliar to you. In addition to the explanations we give below you can find full definitions at:
www.bath.ac.uk/registry/nfa/nfaar-ug-appendix-02.pdf
For full details of the NFAAR-UG, visit: http://www.bath.ac.uk/registry/nfa
You can find a student introduction to the NFAAR-UG at: www.bath.ac.uk/registry/nfa/nfaar-ug-intro-faq.pdf
For information relating to your programme in the current academic year, visit: www.bath.ac.uk/catalogues/

Your programme and how you are assessed

Within your programme of study, there are *compulsory units*, (i.e. those units in a programme which must be taken by every student registered on the programme), and *optional units* (i.e. those units you may choose from a range of options).

The **Programme Description: Structure of the programme** section in this Handbook shows the structure of your programme. In the table, compulsory and optional units are labelled 'C' and 'O' respectively.

Please note that you can also access this information via links in your programme's description in the Programme and Unit Catalogues available at: www.bath.ac.uk/catalogues

At the end of the table, there are links to the relevant appendices of the NFAAR-UG which state exactly how the assessment rules operate for each stage of your programme.

There are some units that you must pass in order to progress to the next stage of your programme and to achieve the normal award for the programme at the end. Such units are called *Designated Essential Units* (*DEU*s). Failure in a DEU – even marginal failure – will prevent you from progressing (or completing) your programme. For the Chemistry programmes, the stand-alone practical units in Years 1 and 2 are DEUs.

Programmes are divided into a number of *parts* and *stages*. For full-time students, stages usually correspond to the year of study (so, for example, most first-year students will be in Stage 1 of their programmes).

Within each stage of a programme, the contribution of each unit's assessment to the calculation of the *Overall Stage Average* (*OSA*) is normally directly proportional to the credit-values of the unit concerned. Placement units form part of a stage and have a credit weighting. Some placement units carry marks and some are just pass/fail. Only enhanced placement units contribute to the *Overall Programme Average (OPA)* however.

The normal pass mark for a unit is 40%. In some units, you might need to achieve a threshold mark in one or more component assessments in order to pass the unit overall.

The rules differ slightly between 'Coexistent Master Programmes' (which lead to a Master's degree but have an associated programme leading to a Bachelor's degree) and other programmes.

If you fail a stage, you will be required either to repeat the entire stage or to transfer to a *Designated Alternative Programme (DAP)*, if one exists, or if you fail very badly, to withdraw from the University. Where stage repeats are possible within the set limits, the repeating of any stage will be permitted once only.

At the end of each stage a Board of Examiners will decide whether you have passed the stage. The outcome will depend on both (1) your average mark in the stage and (2) the marks you obtain for each unit. Generally, if you pass each of your units (and, in a Coexistent Master programme, reach any OSA requirement set in addition), you will progress (or, after the final stage, be recommended for an award).

If you fail a large number of units (or, in a Coexistent Master programme do not reach any OSA requirement set in addition), you might fail the stage outright without any opportunity for supplementary assessment. (Further information on supplementary assessment is provided below.)

Particular rules apply to failure of units. They are as follows:

- if you fail any DEUs, you will have to undertake supplementary assessment – unless you have failed so many DEUs that you fail the stage outright
- if you fail any non-DEUs badly (i.e. achieve less than 35%), you will have to undertake supplementary assessment – unless you have failed so many units that you fail the stage outright
- if you fail only non-DEUs marginally (i.e. achieve 35%-39%), you might be able to progress without supplementary assessment. Whether you do progress will depend on the total credit value of the failed units and also on your OSA.

Your degree result is based on the calculation of your *Overall Programme Average (OPA)* based on the stages in Parts 2 and 3 of your programme. The contribution of each stage of the programme is set out in the table of assessment weightings and decision references in the **Programme Description: Structure of the programme** section in this Handbook. Follow the links provided in the table to see a clear description of the assessment rules for each stage of your programme. Stages in Part 1 are not included in the OPA calculation.

Supplementary assessment

'Supplementary assessment' is the term normally used for an opportunity given to a student to retrieve failure before starting the next stage of a programme. It generally involves re-doing coursework or re-sitting an examination. Students undertaking supplementary assessments are likely to have to return to the University in the summer to re-sit examinations.

For the 2017–18 academic year, this period will be 15 August to 24 August 2018.

Each unit's method of supplementary assessment is shown in the online Unit Catalogue.

In units where the original assessment is a written examination, supplementary assessment may sometimes take the form of reworking an examination paper, known as 'mandatory extra work', rather than re-sitting the examination. In such cases the pass mark is 70% and a mark below 60% is considered a bad fail.

If you pass all your supplementary assessments, you will be able to progress onto the next stage of your programme.

The outcomes of failing a supplementary assessment are as follows:

1) if you fail supplementary assessment in a DEU, you will fail the stage
2) if you fail supplementary assessment in a non-DEU badly, you will fail the stage
3) if you fail supplementary assessment in a non DEU marginally, you might be able to progress; whether you may do so will depend on how many units you have failed (and in some cases also on your Overall Stage Average).

Exit awards – CertHE and DiplHE

If you leave your programme early you may be eligible for a generic exit award, either a Certificate of Higher Education (CertHE) or a Diploma of Higher Education (DiplHE).

Further information on these awards can be found at:
www.bath.ac.uk/quality/documents/QA3-certhe.pdf (for the CertHE)
www.bath.ac.uk/quality/documents/QA3-diplhe.pdf (for the DiplHE).

Procedures for Academic Appeals

Students wishing to submit a request for an academic appeal should refer to Regulation 17 (Conduct of Student Academic Appeals and Reviews):
www.bath.ac.uk/regulations /Regulation17.pdf

You are also strongly advised to read the online guidance provided by the Academic Registry:
www.bath.ac.uk/registry/appeals

Independent advice about academic appeals is offered by the Students' Union Advice and Support Service: thesubath.com/support

Regulation 17.16 outlines how students may appeal against formal Board of Studies decisions in respect of one or more of the following:

i) the student's suitability to progress from one stage of the programme of study to the next
ii) the student's suitability to remain on the programme of study
iii) the marks/grades, degrees, certificates or diplomas, and the classifications/grades awarded to the student.

The regulation also sets out the grounds on which an appeal can be based. Please note that:

- dissatisfaction with a mark or set of marks, or any other aspect of the properly exercised academic judgement of the examiners, will not of itself be acceptable as a valid ground for an academic appeal (Regulation 17.1)
- students who have concerns about assessment outcomes that have not yet been approved by a Board of Studies should seek advice in the first instance from their Director of Studies. This may include matters such as suspecting errors in the totalling or transcription of marks/grades, or wishing to seek clarification about the marking process (Regulation 17.2).

All academic appeals must be submitted within the timescales set out in Regulation 17. Students must provide the required information and evidence, including a completed AA1 form. The form and further academic appeals guidance are available at:
www.bath.ac.uk/registry/appeals

Student Complaints are dealt with under separate procedures:
www.bath.ac.uk/regulations/Appendix1.pdf

If you are uncertain as to whether your concerns are a potential academic appeal or a student complaint, please refer to the guidance at:
www.bath.ac.uk/students/support/complaints

General Information

University Regulations for Students

All registered students of the University are subject to the University's Regulations for Students. The Regulations contain rules and other important information about being a student at the University of Bath, including regulations governing the payment of fees due to the University, student discipline, fitness to study and those governing attendance, conduct and progress in studies. They also form part of the formal contract between you and the University. You will find references to the requirements of the Regulations for Students throughout this Handbook. You are advised to download a copy of the Regulations and read them carefully as they contain a lot of important information.

Further information

The full Regulations for Students can be found at: www.bath.ac.uk/regulations

Registration status

Note that only registered students may use the University's facilities, such as email, Moodle and the Library. You will be asked to register online at the start of your programme of study and then to re-register at the start of every academic year thereafter until you have completed your programme. It is a requirement that you register when asked to do so. Tuition fees for each academic year are payable at registration in full or in instalments.

Regulation 1.1 explains the requirement to register:
www.bath.ac.uk/regulations/Regulation1.pdf

Regulations 2.4 and 2.10 explain the consequences of non-payment of tuition fees:
www.bath.ac.uk/regulations/Regulation2.pdf

Attendance Monitoring

Guidance and requirements on attendance, including the University's Attendance Monitoring and Engagement Policy, are available at:
www.bath.ac.uk/students/visa-advice/attendance-monitoring

This page also sets out information on when and how to request an authorised absence.

Change in Your Circumstances

You must ensure that the University holds your correct, up-to-date, personal and academic details within SAMIS. If you change your address – either your semester-time or home address – please ensure that you update your details online at:
www.bath.ac.uk/samis

If you change your name, you will need to provide valid proof of the change. Please speak to your Department or Faculty/School administration, or Student Services in the Roper Centre, for advice on how to do this.

If you are considering suspending your studies, transferring from one programme to another, or withdrawing from your programme, please discuss your situation with your Director of Studies. They will be able to advise you on an appropriate course of action.

It is a University Regulation (3.1) that you attend regularly; if circumstances are such that you are not able to do so, then please contact your Director of Studies to discuss your situation and agree an appropriate course of action.

Your Personal Tutor will also be able to provide support and guidance on matters relating to your programme.

The financial implications of withdrawing from the University or suspending your studies can be significant. You will find general information at: www.bath.ac.uk/students/finance/funding-advice/changes-to-your-study

The Student Money Advice Team in Student Services and the Student Finance Office will be able to advise you on the implications for fees in your situation and on how to suspend any student funding you are receiving.

If you are an international student holding a Tier 4 visa, you should consult the advisers in the Student Immigration Service about the implications of suspending or withdrawing from your programme: www.bath.ac.uk/visa

You will need to register any change of academic circumstance, including a change of optional units, with the University. Please speak to your Department or Faculty/School administration who will advise you on how to do this.

Disclosure and Barring Service (DBS) Checks

If you undertake the University Ambassador Scheme (UAS) or some optional education units in Year 3 you will be required to provide a satisfactory DBS check prior to commencing the unit. If the check is pending at registration, you will be permitted to register provided the application process for the relevant check has been completed. Should the DBS check subsequently returned prove to be unsatisfactory the University reserves the right to terminate your registration and require you to withdraw.

You will be required to undergo a DBS check in order to undertake practice-based units in your final year (semester 1). If the results of this check prove to be unsatisfactory then you may be unable to undertake the units and may be required to transfer to an alternative programme.

Overseas applicants and UK applicants who have lived abroad for a period of six months or more, within the last five years, will also be required to produce a criminal records check, or "certificate of good character" from those countries that they have lived in.

Further information

www.gov.uk/government/organisations/disclosure-and-barring-service

Health and Safety

The University's Health and Safety Policy Statement and policies, standards, and guidance on specific topics are available at: www.bath.ac.uk/hr/stayingsafewell/hs-policy

The Policy Statement is also displayed throughout the campus. Staff within the University Health, Safety and Environment Service (Wessex House 3.12) provide professional advice on health and safety matters and monitor the health and safety performance of the University.

Further information

www.bath.ac.uk/hr/stayingsafewell or email: uhse@lists.bath.ac.uk.
Current University guidance on fieldwork and on work placements:
www.bath.ac.uk/hr/stayingsafewell/working-off-site

Department Safety

The various laboratory classes and project work undertaken should always be preceded by a safety induction. This may take the form of viewing video and answering questions, or a more traditional talk by a member of staff. Individual safety assessments may be required before particular experiments in the undergraduate laboratories, and you should ensure these have been completed BEFORE starting the experiment.

You will be required to submit a signed 'FORM U' confirming that you have attended a safety induction.

Any issues of concern with respect to Health and Safety should be raised with the Faculty of Science Safety Coordinator, TBC. Details should be given in induction. However, any immediate concerns contact Dr. Matthew Jones (m.jones2@bath.ac.uk)

For students on placement, both the University and the placement provider have a duty of care towards the student. The Department of Chemistry will prepare students for placement and ensure they are aware of relevant health and safety aspects; this is of a general nature and does not include the specific information needed for any particular job or workplace.

During the placement we expect students to be effective, safe and reliable individuals. However, during the placement period the student is under the control of the placement provider and therefore the statutory duty of care and consequent liabilities rest with the placement provider. The students' placement providers should treat them in the same manner as a permanent own employee with regards to their health, safety and welfare. It is therefore the University's expectation all placement providers will:

- Provide the student with an induction in the workplace health and safety arrangements, including fire precautions, specific hazards and health and safety precautions;
- Include the student in the risk assessment programme as it affects activities undertaken by them;
- Provide appropriate instruction and training in working practices and in the particular control measures identified in risk assessments;
- Have a system of recording and investigating accidents and incidents. The placement provider should notify the University of accidents and incidents involving our students.

The University is also required to check whether the student will be covered by any employer liability and public liability insurance policies whilst on placement. If the student will not be covered by such policies then the student should inform the placement tutor (Dr Jonathan Cox) immediately. If you have any questions about aspects of the health and safety arrangements for the placement please contact either the placement tutor or the University's Health, Safety and Environment Unit Tel 01225 384088, E-mail UHSE@lists.bath.ac.uk. For further information see

http://www.bath.ac.uk/hr/hrdocuments/staying-safe-well/placements/training-placements-students-safety.pdf

Data Protection

The University's Data Protection Policy and Guidelines on Data Protection may be accessed via the data protection website: www.bath.ac.uk/data-protection

Research

See this page for guidance notes for students and academics undertaking research www.bath.ac.uk/internal/data-protection/academic-research.htm

Equalities and Diversity

Everyone at the University of Bath has a responsibility for promoting equality and fostering good relations between all members of the community, students and staff, and also for eliminating unlawful discrimination, harassment and victimisation against anyone for reasons of age, disability, gender, pregnancy and maternity, race (this means colour, nationality including citizenship, ethnic or national origins), religion or belief, sexual orientation, or transgender status. The new equality duty also covers marriage and civil partnership with regards to eliminating discrimination in employment.

Further information:

There is a range of information and resources available at www.bath.ac.uk/equalities or email: equalsdiv@bath.ac.uk

Accessibility

An access guide is available which outlines the disabled access features and route plans at the University of Bath:
www.disabledgo.com/organisations/university-of-bath/main-2

Appendix A – Structure of Programmes

Programmes in Chemistry

BSc (hons) Chemistry

Programme Code:	USCH-AFB01
Programme Title:	BSc (hons) Chemistry
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY
Mode of Attendance:	Full-time
State if coexistent M-level programme:	
State any designated alternative programme(s):	
Approving body and date of approval:	

Year 1									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
			PH10007	Mathematical methods for physics 1	Optional	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			CH10191	Chemistry of the cell	Optional: Select 1 unit or PH10007	6			
			CH10225	The chemistry of everyday things		6			
			BB10012	Ecology & evolution 1		6			
			ED10001	Exploring effective learning		6			
			MA10103	Foundation mathematics 1		6			
			MN10070	Business economics		6			
						6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		

			CH10192	The chemistry of physiology and drug properties	Optional: Select 1 unit or PH10007. You can only select BB10205, ED10002, CH10192 or MN10248 if you select the unit it follows on from in Semester 1.	6			
			CH10226	Introduction to environmental and sustainable chemistry		6			
			BB10205	Ecology and evolution 2		6			
			ED10002	Learning: theory & context		6			
			CH10214	Mathematics for chemistry		6			
			MN10248 F	Introduction to accounting A		6			

Year 2									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20238	Introduction to computational chemistry	Compulsory	3			
			CH20146	Symmetry and group theory	Compulsory	3			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3
Students must select CH30144, CH30159, both CH30050 and CH30063, or both CH30050 and CH30232 during this year of the programme.

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
3	3	AY	CH30189	General chemistry	Compulsory	3			
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18			
			CH30159	University ambassadors scheme: science		18			
		S1	CH30050	The chemical literature	Optional: Select between 0 and 1 units	6			
			CH30043	Advanced practical chemistry	Compulsory	6			
			CH30127	Topics in inorganic chemistry I	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30129	Topics in physical chemistry I	Compulsory	3			
			CH30203	Radiochemistry	Optional: Select 1 unit	3			
			CH30235	Organic chemistry of biomolecules		3			
			CH30204	Analytical chemistry in context	Optional: Select 1 unit	6			
			ED30005	Science education in practice		6			
			MN20072	Managing human resources		6			
		S2	CH30063	Chemistry project	Optional: Select between 0 and 1 units	12			
			CH30232	Engaging the public with chemistry research		12			
			CH30037	Synthesis of medicinal compounds	Optional: Select between 3 and 5 units	3			
			CH30039	Computational chemistry		3			
			CH30065	Biosynthesis & biotransformations		3			
			CH30068	Physical organic chemistry		3			
			CH30086	Inorganic chemistry in biological systems		3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			
			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			

			CH30224	Physical chemistry of food science		3			
			CH30227	Advanced spectroscopic techniques		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			CH30236	Organic functional materials and devices		3			
			CH30237	X-ray and neutron techniques for chemists		3			
			ED30006	Issues in science education	Optional: Select between 0 and 1 units	6			
			MN20073	Marketing		6			
			XX30172	State of the planet		6			

BSc (hons) Chemistry with Study Year abroad

Programme Code:	USCH-AAB02
Programme Title:	BSc (hons) Chemistry with Study Year abroad
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY
Mode of Attendance:	Study Year Abroad
State if coexistent M-level programme:	
State any designated alternative programme(s):	BSc (hons) Chemistry (USCH-AFB01)
Approving body and date of approval:	

Year 1									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
			PH10007	Mathematical methods for physics 1	Optional	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			CH10191	Chemistry of the cell		6			

			CH10225	The chemistry of everyday things	Optional: Select 1 unit or PH10007	6			
			BB10012	Ecology & evolution 1		6			
			ED10001	Exploring effective learning		6			
			MA10103	Foundation mathematics 1		6			
			MN10070	Business economics)		6			
						6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			CH10192	The chemistry of physiology and drug properties	Optional: Select 1 unit or PH10007. You can only select BB10205, ED10002, CH10192 or MN10248 if you select the unit it follows on from in Semester 1.	6			
			CH10226	Introduction to environmental and sustainable chemistry		6			
			BB10205	Ecology and evolution 2		6			
			ED10002	Learning: theory & context		6			
			CH10214	Mathematics for chemistry		6			
			MN10248	Introduction to accounting		6			
						6			

Year 2									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20238	Introduction to computational chemistry	Compulsory	3			
			CH20146	Symmetry and group theory	Compulsory	3			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2		3	Y		

			CH20023	Computational chemistry laboratory	You will be assigned one of these units in S2	3	Y		

Year 3									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	3	AY	CH30058	Study year abroad (BSc hons and MSci)	Compulsory	60			

Year 4									
Students must select CH30144, CH30159, both CH30050 and CH30063, or both CH30050 and CH30232 during this year of the programme.									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
3	4	AY	CH30189	General chemistry	Compulsory	3			
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18			
			CH30159	University ambassadors scheme: science		18			
		S1	CH30050	The chemical literature	Optional: Select between 0 and 1 units	6			
			CH30043	Advanced practical chemistry	Compulsory	6			
			CH30127	Topics in inorganic chemistry I	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30129	Topics in physical chemistry I	Compulsory	3			
			CH30203	Radiochemistry	Optional: Select 1 unit	3			
			CH30235	Organic chemistry of biomolecules		3			
			CH30204	Analytical chemistry in context	Optional: Select 1 unit	6			
			ED30005	Science education in practice		6			
			MN20072	Managing human resources		6			
		S2	CH30063	Chemistry project	Optional: Select between 0 and 1 units	12			
			CH30232	Engaging the public with chemistry research		12			

			CH30037	Synthesis of medicinal compounds	Optional: Select between 3 and 5 units				
			CH30039	Computational chemistry		3			
			CH30065	Biosynthesis & biotransformations		3			
			CH30068	Physical organic chemistry		3			
			CH30086	Inorganic chemistry in biological systems		3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			
			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			
			CH30224	Physical chemistry of food science		3			
			CH30227	Advanced spectroscopic techniques		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			CH30236	Organic functional materials and devices		3			
			CH30237	X-ray and neutron techniques for chemists		3			
			ED30006	Issues in science education	Optional: Select between 0 and 1 units	6			
			MN20073	Marketing		6			
			XX30172	State of the planet		6			

BSc (hons) Chemistry with Industrial Training

Programme Code:	USCH-AKB02
Programme Title:	BSc (hons) Chemistry with Industrial Training
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY
Mode of Attendance:	Thick Sandwich
State if coexistent M-level programme:	
State any designated alternative programme(s):	BSc (hons) Chemistry (USCH-AFB01)

Approving body and date of approval:	

Year 1									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
			PH10007	Mathematical methods for physics 1	Optional	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			CH10191	Chemistry of the cell	Optional: Select 1 unit or PH10007	6			
			CH10225	The chemistry of everyday things		6			
			BB10012	Ecology & evolution 1		6			
			ED10001	Exploring effective learning		6			
			MA10103	Foundation mathematics 1		6			
			MN10070	Business economics		6			
						6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			CH10192	The chemistry of physiology and drug properties	Optional: Select 1 unit or PH10007. You can only select BB10205, ED10002, CH10192 or MN10248 if you select the unit it follows on from in Semester 1.	6			
			CH10226	Introduction to environmental and sustainable chemistry		6			
			BB10205	Ecology and evolution 2		6			
			ED10002	Learning: theory & context		6			
			CH10214	Mathematics for chemistry		6			
			MN10248	Introduction to accounting		6			
						6			

Year 2

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20238	Introduction to computational chemistry	Compulsory	3			
			CH20146	Symmetry and group theory	Compulsory	3			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	3	AY	CH30054	Industrial placement (BSc hons)	Compulsory	60			

Year 4

Students must select CH30144, CH30159, both CH30050 and CH30063, or both CH30050 and CH30232 during this year of the programme.

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
3	4	AY	CH30189	General chemistry	Compulsory	3			
			CH30144	Dissertation		18			

			CH30159	University ambassadors scheme: science	Optional: Select between 0 and 1 units	18			
		S1	CH30050	The chemical literature	Optional: Select between 0 and 1 units	6			
			CH30043	Advanced practical chemistry	Compulsory	6			
			CH30127	Topics in inorganic chemistry I	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30129	Topics in physical chemistry I	Compulsory	3			
			CH30203	Radiochemistry	Optional: Select 1 unit	3			
			CH30235	Organic chemistry of biomolecules		3			
			CH30204	Analytical chemistry in context	Optional: Select 1 unit	6			
			ED30005	Science education in practice		6			
			MN20072	Managing human resources		6			
		S2	CH30063	Chemistry project	Optional: Select between 0 and 1 units	12			
			CH30232	Engaging the public with chemistry research		12			
			CH30037	Synthesis of medicinal compounds	Optional: Select between 3 and 5 units				
			CH30039	Computational chemistry		3			
			CH30065	Biosynthesis & biotransformations		3			
			CH30068	Physical organic chemistry		3			
			CH30086	Inorganic chemistry in biological systems		3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			
			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			
			CH30224	Physical chemistry of food science		3			
			CH30227	Advanced spectroscopic techniques		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			CH30236	Organic functional materials and devices		3			

			CH30237	X-ray and neutron techniques for chemists		3			
			ED30006	Issues in science education	Optional: Select between 0 and 1 units	6			
			MN20073	Marketing		6			
			XX30172	State of the planet		6			

MChem (hons) Chemistry

Programme Code:	USCH-AFM02
Programme Title:	MChem (hons) Chemistry
Award Type:	Master of Chemistry with Honours
Award Title:	MASTER OF CHEMISTRY
Mode of Attendance:	Full-time
State if coexistent M-level programme:	
State any designated alternative programme(s):	BSc (hons) Chemistry (USCH-AFB01)
Approving body and date of approval:	

Year 1									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
			PH10007	Mathematical methods for physics 1	Optional	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			CH10191	Chemistry of the cell	Optional: Select 1 unit or PH10007	6			
			CH10225	The chemistry of everyday things		6			
			BB10012	Ecology & evolution 1		6			
			ED10001	Exploring effective learning		6			
			MA10103	Foundation mathematics 1		6			
			MN10070	Business economics		6			

						6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			CH10192	The chemistry of physiology and drug properties	Optional: Select 1 unit or PH10007. You can only select BB10205, ED10002, CH10192 or MN10248 if you select the unit it follows on from in Semester 1.	6			
			CH10226	Introduction to environmental and sustainable chemistry		6			
			BB10205	Ecology and evolution 2		6			
			ED10002	Learning: theory & context		6			
			CH10214	Mathematics for chemistry		6			
			MN10248	Introduction to accounting		6			
						6			

Year 2									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20238	Introduction to computational chemistry	Compulsory	3			
			CH20146	Symmetry and group theory	Compulsory	3			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	3	AY	CH30189	General chemistry	Compulsory	3			
		S1	CH30050	The chemical literature	Compulsory	6			
			CH30043	Advanced practical chemistry	Compulsory	6			
			CH30127	Topics in inorganic chemistry I	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30129	Topics in physical chemistry I	Compulsory	3			
			CH30203	Radiochemistry	Optional: Select 1 unit	3			
			CH30235	Organic chemistry of biomolecules		3			
			CH30204	Analytical chemistry in context	Compulsory	6			
		S2	CH30063	Chemistry project	Compulsory	12			
			CH30037	Synthesis of medicinal compounds	Optional: Select 15 credits	3			
			CH30039	Computational chemistry		3			
			CH30065	Biosynthesis & biotransformations		3			
			CH30068	Physical organic chemistry		3			
			CH30086	Inorganic chemistry in biological systems		3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			
			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			
			CH30224	Physical chemistry of food science		3			
			CH30227	Advanced spectroscopic techniques		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			CH30236	Organic functional materials and devices		3			
			CH30237	X-ray and neutron techniques for chemists		3			

Year 4									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
3	4	AY	CH40167	Advanced chemistry research	Compulsory	30			
		S1	CH40131	Advanced structural and theoretical methods	Compulsory	6			
			CH40166	Preparation for chemistry research	Compulsory	12			
			CH40205	Topics in inorganic chemistry II	Compulsory	3			
			CH40206	Topics in organic chemistry II	Compulsory	3			
			CH40207	Topics in physical chemistry II	Compulsory	3			
			CH40208	Topics in computational chemistry	Compulsory	3			

MChem (hons) Chemistry with Study Year Abroad

Programme Code:	USCH-AAM03
Programme Title:	MChem (hons) Chemistry with Study Year Abroad
Award Type:	Master of Chemistry with Honours
Award Title:	MASTER OF CHEMISTRY
Mode of Attendance:	Study Year Abroad
State if coexistent M-level programme:	
State any designated alternative programme(s):	MChem (hons) Chemistry (USCH-AFM02), BSc (hons) Chemistry with Study Year abroad (USCH-AAB02)
Approving body and date of approval:	

Year 1									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			

			PH10007	Mathematical methods for physics 1	Optional	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			CH10191	Chemistry of the cell	Optional: Select 1 unit or PH10007	6			
			CH10225	The chemistry of everyday things		6			
			BB10012	Ecology & evolution 1		6			
			ED10001	Exploring effective learning		6			
			MA10103	Foundation mathematics 1		6			
			MN10070	Business economics		6			
						6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			CH10192	The chemistry of physiology and drug properties	Optional: Select 1 unit or PH10007. You can only select BB10205, ED10002, CH10192 or MN10248 if you select the unit it follows on from in Semester 1.	6			
			CH10226	Introduction to environmental and sustainable chemistry		6			
			BB10205	Ecology and evolution 2		6			
			ED10002	Learning: theory & context		6			
			CH10214	Mathematics for chemistry		6			
			MN10248	Introduction to accounting		6			
						6			

Year 2									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20238	Introduction to computational chemistry	Compulsory	3			

			CH20146	Symmetry and group theory	Compulsory	3			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	3	AY	CH30060	Study year abroad (MChem)	Compulsory	48			
			CH30217	Distance learning in chemistry	Compulsory	12			

Year 4									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
3	4	AY	CH40165	Chemistry research 1	Compulsory	24			
		S1	CH40131	Advanced structural and theoretical methods	Compulsory	6			
			CH40205	Topics in inorganic chemistry II	Compulsory	3			
			CH40206	Topics in organic chemistry II	Compulsory	3			
			CH40207	Topics in physical chemistry II	Compulsory	3			
			CH40208	Topics in computational chemistry	Compulsory	3			
		S2	CH40037	Synthesis of medicinal compounds	Optional: Select 18 credits	3			
			CH40039	Computational chemistry		3			
			CH40068	Physical organic chemistry		3			
			CH40086	Inorganic chemistry in biological systems		3			
			CH40158	Chemistry of functional materials		3			
			CH40162	Advanced organometallic chemistry		3			
			CH40211	Chemistry beyond the molecule		3			
			CH40212	Contemporary main group chemistry		3			
			CH40219	Organic and inorganic aspects of homogeneous catalysis		3			

			CH40220	Chemical thermodynamics in context		3			
			CH40221	Sustainable chemistry in context		3			
			CH40227	Advanced spectroscopic techniques		3			
			CH40230	DNA in the modern world		3			
			CH40231	Porous materials		3			
			CH40236	Organic functional materials and devices		3			
			CH40237	X-ray and neutron techniques for chemists		3			

MChem (hons) Chemistry with Industrial Training

Programme Code:	USCH-AKM02
Programme Title:	MChem (hons) Chemistry with Industrial Training
Award Type:	Master of Chemistry with Honours
Award Title:	MASTER OF CHEMISTRY
Mode of Attendance:	Thick Sandwich
State if coexistent M-level programme:	
State any designated alternative programme(s):	MChem (hons) Chemistry (USCH-AFM02), BSc (hons) Chemistry with Industrial Training (USCH-AKB02)
Approving body and date of approval:	

Year 1									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
			PH10007	Mathematical methods for physics 1	Optional	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			CH10191	Chemistry of the cell		6			
			CH10225	The chemistry of everyday things		6			

			BB10012	Ecology & evolution 1	Optional: Select 1 unit or PH10007	6			
			ED10001	Exploring effective learning		6			
			MA10103	Foundation mathematics 1		6			
			MN10070	Business economics		6			
						6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			CH10192	The chemistry of physiology and drug properties	Optional: Select 1 unit or PH10007. You can only select BB10205, ED10002, CH10192 or MN10248 if you select the unit it follows on from in Semester 1.	6			
			CH10226	Introduction to environmental and sustainable chemistry		6			
			BB10205	Ecology and evolution 2		6			
			ED10002	Learning: theory & context		6			
			CH10214	Mathematics for chemistry		6			
			MN10248	Introduction to accounting		6			
						6			

Year 2									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20238	Introduction to computational chemistry	Compulsory	3			
			CH20146	Symmetry and group theory	Compulsory	3			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

					of these units in S2				

Year 3									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	3	AY	CH30055	Industrial studies	Compulsory	48			
			CH30217	Distance learning in chemistry	Compulsory	12			

Year 4									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
3	4	AY	CH40165	Chemistry research 1	Compulsory	24			
		S1	CH40131	Advanced structural and theoretical methods	Compulsory	6			
			CH40205	Topics in inorganic chemistry II	Compulsory	3			
			CH40206	Topics in organic chemistry II	Compulsory	3			
			CH40207	Topics in physical chemistry II	Compulsory	3			
			CH40208	Topics in computational chemistry	Compulsory	3			
		S2	CH40037	Synthesis of medicinal compounds	Optional: Select 18 credits	3			
			CH40039	Computational chemistry		3			
			CH40068	Physical organic chemistry		3			
			CH40086	Inorganic chemistry in biological systems		3			
			CH40158	Chemistry of functional materials		3			
			CH40162	Advanced organometallic chemistry		3			
			CH40211	Chemistry beyond the molecule		3			
			CH40212	Contemporary main group chemistry		3			
			CH40219	Organic and inorganic aspects of homogeneous catalysis		3			
			CH40220	Chemical thermodynamics in context		3			
			CH40221	Sustainable chemistry in context		3			

			CH40227	Advanced spectroscopic techniques		3			
			CH40230	DNA in the modern world		3			
			CH40231	Porous materials		3			
			CH40236	Organic functional materials and devices		3			
			CH40237	X-ray and neutron techniques for chemists		3			

Programmes in Chemistry for Drug Discovery

BSc (hons) Chemistry for Drug Discovery

Programme Code:	USCH-AFB07
Programme Title:	BSc (hons) Chemistry for Drug Discovery
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY FOR DRUG DISCOVERY
Mode of Attendance:	Full-time
State if coexistent M-level programme:	
State any designated alternative programme(s):	
Approving body and date of approval:	

Year 1									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10191	Chemistry of the cell	Compulsory	6			
			CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
		S2	CH10192	The chemistry of physiology and drug properties	Compulsory	6			
			CH10193	General practical chemistry	Compulsory	6	Y		

Year 2									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20160	Major therapeutic areas	Compulsory	6			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3									
Students must select CH30144, CH30159, both CH30050 and CH30063, or both CH30050 and CH30232 during this year of the programme.									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
3	3	AY	CH30189	General chemistry	Compulsory	3			
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18			
			CH30159	University ambassadors scheme: science		18			
		S1	CH30043	Advanced practical chemistry	Compulsory	6			
			CH30098	Techniques in drug discovery	Compulsory	3			
			CH30127	Topics in inorganic chemistry I	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30129	Topics in physical chemistry I	Compulsory	3			
			CH30209	Blockbuster drugs	Compulsory	3			

			CH30050	The chemical literature	Optional: Select between 0 and 1 units	6			
		S2	CH30210	Future of drug discovery	Compulsory	3			
			CH30037	Synthesis of medicinal compounds	Compulsory	3			
			CH30065	Biosynthesis & biotransformations	Compulsory	3			
			CH30219	Organic and inorganic aspects of homogeneous catalysis	Compulsory	3			
			CH30063	Chemistry project	Optional: Select between 0 and 1 units	12			
			CH30232	Engaging the public with chemistry research		12			
			CH30039	Computational chemistry	Optional: Select 6 credits	3			
			CH30068	Physical organic chemistry		3			
			CH30086	Inorganic chemistry in biological systems		3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			
			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			
			CH30224	Physical chemistry of food science		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			PA40155	Research topics in natural products		6			

BSc (hons) Chemistry for Drug Discovery with Study Year abroad

Programme Code:	USCH-AAB08
Programme Title:	BSc (hons) Chemistry for Drug Discovery with Study Year abroad
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY FOR DRUG DISCOVERY
Mode of Attendance:	Study Year Abroad
State if coexistent M-level programme:	
State any designated alternative programme(s):	BSc Chemistry for Drug Discovery (USCH-AFB07)

Approving body and date of approval:	

Year 1									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10191	Chemistry of the cell	Compulsory	6			
			CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
		S2	CH10192	The chemistry of physiology and drug properties	Compulsory	6			
			CH10193	General practical chemistry	Compulsory	6	Y		

Year 2									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20160	Major therapeutic areas	Compulsory	6			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	3	AY	CH30058	Study year abroad (BSc hons and MSci)	Compulsory	60			

Year 4									
Students must select CH30144, CH30159, both CH30050 and CH30063, or both CH30050 and CH30232 during this year of the programme.									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
3	4	AY	CH30189	General chemistry	Compulsory	3			
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18			
			CH30159	University ambassadors scheme: science		18			
		S1	CH30043	Advanced practical chemistry	Compulsory	6			
			CH30098	Techniques in drug discovery	Compulsory	3			
			CH30127	Topics in inorganic chemistry I	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30129	Topics in physical chemistry I	Compulsory	3			
			CH30209	Blockbuster drugs	Compulsory	3			
			CH30050	The chemical literature	Optional: Select between 0 and 1 units	6			
		S2	CH30210	Future of drug discovery	Compulsory	3			
			CH30037	Synthesis of medicinal compounds	Compulsory	3			
			CH30065	Biosynthesis & biotransformations	Compulsory	3			
			CH30219	Organic and inorganic aspects of homogeneous catalysis	Compulsory	3			
			CH30063	Chemistry project	Optional: Select between 0 and 1 units	12			
			CH30232	Engaging the public with chemistry research		12			
			CH30039	Computational chemistry		3			
			CH30068	Physical organic chemistry		3			

			CH30086	Inorganic chemistry in biological systems	Optional: Select 6 credits	3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			
			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			
			CH30224	Physical chemistry of food science		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			PA40155	Research topics in natural products		6			

BSc (hons) Chemistry for Drug Discovery with Industrial Training

Programme Code:	USCH-AKB08
Programme Title:	BSc (hons) Chemistry for Drug Discovery with Industrial Training
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY FOR DRUG DISCOVERY
Mode of Attendance:	Thick Sandwich
State if coexistent M-level programme:	
State any designated alternative programme(s):	BSc Chemistry for Drug Discovery (USCH-AFB07)
Approving body and date of approval:	

Year 1

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10191	Chemistry of the cell	Compulsory	6			
			CH10009	Foundation chemistry laboratory	Compulsory	6	Y		

		S2	CH10192	The chemistry of physiology and drug properties	Compulsory	6			
			CH10193	General practical chemistry	Compulsory	6	Y		

Year 2									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20160	Major therapeutic areas	Compulsory	6			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	3	AY	CH30054	Industrial placement (BSc hons)	Compulsory	60			

Year 4									
Students must select CH30144, CH30159, both CH30050 and CH30063, or both CH30050 and CH30232 during this year of the programme.									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**

3	4	AY	CH30189	General chemistry	Compulsory	3			
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18			
			CH30159	University ambassadors scheme: science		18			
		S1	CH30043	Advanced practical chemistry	Compulsory	6			
			CH30098	Techniques in drug discovery	Compulsory	3			
			CH30127	Topics in inorganic chemistry I	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30129	Topics in physical chemistry I	Compulsory	3			
			CH30209	Blockbuster drugs	Compulsory	3			
			CH30050	The chemical literature	Optional: Select between 0 and 1 units	6			
		S2	CH30210	Future of drug discovery	Compulsory	3			
			CH30037	Synthesis of medicinal compounds	Compulsory	3			
			CH30065	Biosynthesis & biotransformations	Compulsory	3			
			CH30219	Organic and inorganic aspects of homogeneous catalysis	Compulsory	3			
			CH30063	Chemistry project	Optional: Select between 0 and 1 units	12			
			CH30232	Engaging the public with chemistry research		12			
			CH30039	Computational chemistry	Optional: Select 6 credits	3			
			CH30068	Physical organic chemistry		3			
			CH30086	Inorganic chemistry in biological systems		3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			
			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			
			CH30224	Physical chemistry of food science		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			PA40155	Research topics in natural products		6			

MChem (hons) Chemistry for Drug Discovery

Programme Code:	USCH-AFM05
Programme Title:	MChem (hons) Chemistry for Drug Discovery
Award Type:	Master of Chemistry with Honours
Award Title:	MASTER OF CHEMISTRY IN CHEMISTRY FOR DRUG DISCOVERY
Mode of Attendance:	Full-time
State if coexistent M-level programme:	
State any designated alternative programme(s):	BSc (hons) Chemistry for Drug Discovery (USCH-AFB07)
Approving body and date of approval:	

Year 1

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10191	Chemistry of the cell	Compulsory	6			
			CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
		S2	CH10192	The chemistry of physiology and drug properties	Compulsory	6			
			CH10193	General practical chemistry	Compulsory	6	Y		

Year 2

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			

		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20160	Major therapeutic areas	Compulsory	6			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	3	AY	CH30189	General chemistry	Compulsory	3			
		S1	CH30043	Advanced practical chemistry	Compulsory	6			
			CH30098	Techniques in drug discovery	Compulsory	3			
			CH30128	Topics in organic chemistry I	Compulsory	3			
			CH30050	The chemical literature	Compulsory	6			
			CH30127	Topics in inorganic chemistry I	Optional: Select 6 to 9 credits including at least one of CH30127 or CH30129.	3			
			CH30129	Topics in physical chemistry I		3			
			CH30204	Analytical chemistry in context		6			
		S2	CH30037	Synthesis of medicinal compounds	Compulsory	3			
			CH30065	Biosynthesis & biotransformations	Compulsory	3			
			CH30063	Chemistry project	Compulsory	12			
			CH30219	Organic and inorganic aspects of homogeneous catalysis	Compulsory	3			
			CH30039	Computational chemistry	Optional: Select 9 to 12 credits	3			
			CH30068	Physical organic chemistry		3			
			CH30086	Inorganic chemistry in biological systems		3			
			CH30157	Chemistry of functional materials		3			
			CH30162	Advanced organometallic chemistry		3			

			CH30211	Chemistry beyond the molecule		3			
			CH30212	Contemporary main group chemistry		3			
			CH30220	Chemical thermodynamics in context		3			
			CH30221	Sustainable chemistry in context		3			
			CH30224	Physical chemistry of food science		3			
			CH30230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			PA40155	Research topics in natural products		6			

Year 4									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
3	4	AY	CH40167	Advanced chemistry research	Compulsory	30			
		S1	CH40155	Advanced structural methods	Compulsory	3			
			CH40166	Preparation for chemistry research	Compulsory	12			
			CH40209	Blockbuster drugs	Compulsory	3			
			CH40206	Topics in organic chemistry II	Compulsory	3			
			CH40208	Topics in computational chemistry	Compulsory	3			
			CH40205	Topics in inorganic chemistry II	Optional: select 1 unit	3			
			CH40207	Topics in physical chemistry II		3			
		S2	CH40210	Future of drug discovery	Compulsory	3			

MChem (hons) Chemistry for Drug Discovery with Study Year Abroad

Programme Code:	USCH-AAM06
Programme Title:	MChem (hons) Chemistry for Drug Discovery with Study Year Abroad
Award Type:	Master of Chemistry with Honours
Award Title:	MASTER OF CHEMISTRY IN CHEMISTRY FOR DRUG DISCOVERY
Mode of Attendance:	Study Year Abroad
State if coexistent M-level programme:	

State any designated alternative programme(s):	MChem (hons) Chemistry for Drug Discovery (USCH-AFM05), BSc (hons) Chemistry for Drug Discovery with Study Year abroad (USCH-AAB08)
Approving body and date of approval:	

Year 1

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10191	Chemistry of the cell	Compulsory	6			
			CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
		S2	CH10192	The chemistry of physiology and drug properties	Compulsory	6			
			CH10193	General practical chemistry	Compulsory	6	Y		

Year 2

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20160	Major therapeutic areas	Compulsory	6			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

					of these units in S2				

Year 3									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	3	AY	CH30060	Study year abroad (MChem)	Compulsory	48			
			CH30217	Distance learning in chemistry	Compulsory	12			

Year 4									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
3	4	AY	CH40165	Chemistry research 1	Compulsory	24			
		S1	CH40206	Topics in organic chemistry II	Compulsory	3			
			CH40098	Techniques in drug discovery	Compulsory	3			
			CH40209	Blockbuster drugs	Compulsory	3			
			CH40155	Advanced structural methods	Compulsory	3			
			CH40205	Topics in inorganic chemistry II	Optional: Select 2 units	3			
			CH40207	Topics in physical chemistry II		3			
			CH40208	Topics in computational chemistry		3			
		S2	CH40210	Future of drug discovery	Compulsory	3			
			CH40037	Synthesis of medicinal compounds	Compulsory	3			
			CH40219	Organic and inorganic aspects of homogeneous catalysis	Compulsory	3			
			CH40039	Computational chemistry	Optional: Select 9 credits	3			
			CH40068	Physical organic chemistry		3			
			CH40086	Inorganic chemistry in biological systems		3			
			CH40158	Chemistry of functional materials		3			
			CH40162	Advanced organometallic chemistry		3			
			CH40211	Chemistry beyond the molecule		3			
			CH40212	Contemporary main group chemistry		3			

			CH40221	Sustainable chemistry in context		3			
			CH40230	DNA in the modern world		3			
			CH40231	Porous materials		3			
			PA40155	Research topics in natural products		6			

MChem (hons) Chemistry for Drug Discovery with Industrial Training

Programme Code:	USCH-AKM03
Programme Title:	MChem (hons) Chemistry for Drug Discovery with Industrial Training
Award Type:	Master of Chemistry with Honours
Award Title:	MASTER OF CHEMISTRY IN CHEMISTRY FOR DRUG DISCOVERY
Mode of Attendance:	Thick Sandwich
State if coexistent M-level programme:	
State any designated alternative programme(s):	MChem (hons) Chemistry for Drug Discovery (USCH-AFM05), BSc (hons) Chemistry for Drug Discovery with Industrial Training (USCH-AKB08)
Approving body and date of approval:	

Year 1

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10191	Chemistry of the cell	Compulsory	6			
			CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
		S2	CH10192	The chemistry of physiology and drug properties	Compulsory	6			
			CH10193	General practical chemistry	Compulsory	6	Y		

Year 2

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20147	Inorganic synthesis, structure and reactivity	Compulsory	12			
			CH20149	Organic synthesis, reaction mechanisms and spectroscopy	Compulsory	12			
			CH20151	Principles of physical chemistry	Compulsory	12			
		S1	CH20195	Analytical chemistry	Compulsory	6			
			CH20020	Inorganic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S1	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		
		S2	CH20160	Major therapeutic areas	Compulsory	6			
			CH20021	Organic chemistry laboratory 2	Compulsory	3	Y		
			CH20022	Physical chemistry laboratory 2	You will be assigned one of these units in S2	3	Y		
			CH20023	Computational chemistry laboratory		3	Y		

Year 3 *(for implementation with effect from 2012/13)*

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	3	AY	CH30055	Industrial studies	Compulsory	48			
			CH30217	Distance learning in chemistry	Compulsory	12			

Year 4

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
3	4	AY	CH40165	Chemistry research 1	Compulsory	24			
		S1	CH40206	Topics in organic chemistry II	Compulsory	3			
			CH40098	Techniques in drug discovery	Compulsory	3			
			CH40209	Blockbuster drugs	Compulsory	3			

			CH40155	Advanced structural methods	Compulsory	3			
			CH40205	Topics in inorganic chemistry II	Optional: Select 2 units	3			
			CH40207	Topics in physical chemistry II		3			
			CH40208	Topics in computational chemistry		3			
		S2	CH40210	Future of drug discovery	Compulsory	3			
			CH40037	Synthesis of medicinal compounds	Compulsory	3			
			CH40219	Organic and inorganic aspects of homogeneous catalysis	Compulsory	3			
			CH40039	Computational chemistry	Optional: Select 9 credits	3			
			CH40068	Physical organic chemistry		3			
			CH40086	Inorganic chemistry in biological systems		3			
			CH40158	Chemistry of functional materials		3			
			CH40162	Advanced organometallic chemistry		3			
			CH40211	Chemistry beyond the molecule		3			
			CH40212	Contemporary main group chemistry		3			
			CH40221	Sustainable chemistry in context		3			
			CH40230	DNA in the modern world		3			
			CH30231	Porous materials		3			
			PA40155	Research topics in natural products		6			

Programmes in Chemistry with Management

BSc (hons) Chemistry with Management

Programme Code:	USCH-AFB03
Programme Title:	BSc (hons) Chemistry with Management
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY WITH MANAGEMENT
Mode of Attendance:	Full Time
State if coexistent M-level programme:	Yes
State any designated alternative programme(s):	
Approving body and date of approval:	

Year 1									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			MN10070	Business economics	Compulsory	6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			MN10248	Introduction to accounting	Compulsory	6			

Year 2									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20148	Inorganic synthesis, structure and reactivity for natural scientists	Compulsory	12			
			CH20150	Organic synthesis, reaction mechanisms and spectroscopy for natural scientists	Compulsory	12			
			CH20152	Principles of physical chemistry for natural scientists	Compulsory	12			
		S1	MN10545	Organisational behaviour	Select 2 units	6			
			MN20072	Managing human resources		6			
			MN20501	Intermediate accounting		6			
		S2	MN10500	Corporate finance for managers	Select 2 units	6			
			MN20073	Marketing		6			
			MN20445	Corporate responsibility: principles and perspectives		6			
			MN20624	People and innovation		6			

Year 3 *No more than 12 credits can be taken at level 2.* **Students must select CH30144, CH30159, CH30063, or CH30232 during this year of the programme.**								
3	3	AY	CH30189	General chemistry	Compulsory	3		
			CH30144	Dissertation		18		

			CH30159	University ambassadors scheme: science	Optional: Select between 0 and 1 units	18		
		S1	CH30043	Advanced practical chemistry	Compulsory	6		
			CH30127	Topics in inorganic chemistry I	Optional: Select at least 2 units	3		
			CH30128	Topics in organic chemistry I		3		
			CH30129	Topics in physical chemistry I		3		
			CH20195	Analytical chemistry	Optional: Select between 9 and 21 credits, up to a maximum of 36 credits for the Semester	6		
			CH30050	The chemical literature		6		
			CH30203	Radiochemistry		3		
			CH30235	Organic chemistry of biomolecules		3		
			MN20074	Digital business innovation		6		
			MN20502	Principles of finance for managers		6		
			MN30281	Privacy, trust and security in information systems		6		
			MN30464	Depth psychology of organisations		6		
			MN30465	Depth psychology of the consumer		6		
		S2	CH30063	Chemistry project	Optional: Select between 0 and 1 units	12		
			CH30232	Engaging the public with chemistry research		12		
			CH20146	Symmetry and group theory	Optional: Select between 12 and 24 credits	3		
			CH20238	Introduction to computational chemistry		3		
			CH30039	Computational chemistry		3		
			CH30086	Inorganic chemistry in biological systems		3		
			CH30157	Chemistry of functional materials		3		
			CH30211	Chemistry beyond the molecule		3		
			CH30212	Contemporary main group chemistry		3		
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3		
			CH30221	Sustainable chemistry in context		3		
			CH30224	Physical Chemistry of food science		3		
			CH30227	Advanced spectroscopic techniques		3		
			CH30230	DNA in the modern world		3		
			CH30231	Porous materials		3		

			CH30236	Organic functional materials and devices		3		
			CH30237	X-ray and neutron techniques for chemists		3		
			MN20503	Intermediate corporate finance for managers		6		
			MN30076	Business strategy		6		
			MN30415	International dimensions of organisation behaviour		6		
			MN30436	Contemporary issues in business and society		6		
			MN30470	Investment and trading		6		
			MN30549	Advanced accounting		6		

BSc (hons) Chemistry with Management with Industrial Training

Programme Code:	USCH-AKB04
Programme Title:	BSc (hons) Chemistry with Management with Industrial Training
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY WITH MANAGEMENT
Mode of Attendance:	Thick Sandwich
State if coexistent M-level programme:	Yes
State any designated alternative programme(s):	BSc (hons) Chemistry with Management (USCH-AFB03)
Approving body and date of approval:	

Year 1									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			MN10070	Business economics	Compulsory	6			

		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			MN10248	Introduction to accounting	Compulsory	6			

Year 2									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	2	AY	CH20148	Inorganic synthesis, structure and reactivity for natural scientists	Compulsory	12			
			CH20150	Organic synthesis, reaction mechanisms and spectroscopy for natural scientists	Compulsory	12			
			CH20152	Principles of physical chemistry for natural scientists	Compulsory	12			
		S1	MN10545	Organisational behaviour	Select 2 units	6			
			MN20072	Managing human resources		6			
			MN20501	Intermediate accounting		6			
		S2	MN10500	Corporate finance for managers	Select 2 units	6			
			MN20073	Marketing		6			
			MN20445	Corporate responsibility: principles and perspectives		6			
			MN20624	People and innovation		6			

Year 3									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
2	3	AY	CH30054	Industrial placement (BSc hons)	Compulsory	60	Y		

Year 4 *No more than 12 credits can be taken at level 2.* **Students must select CH30144, CH30159, CH30063, or CH30232 during this year of the programme.**								
3	3	AY	CH30189	General chemistry	Compulsory	3		
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18		
			CH30159	University ambassadors scheme: science		18		
		S1	CH30043	Advanced practical chemistry	Compulsory	6		
			CH30127	Topics in inorganic chemistry I		3		

			CH30128	Topics in organic chemistry I	Optional: Select at least 2 units	3		
			CH30129	Topics in physical chemistry I		3		
			CH20195	Analytical chemistry	Optional: Select between 9 and 21 credits, up to a maximum of 36 credits for the Semester	6		
			CH30050	The chemical literature		6		
			CH30203	Radiochemistry		3		
			CH30235	Organic chemistry of biomolecules		3		
			MN20074	Digital business innovation		6		
			MN20502	Principles of finance for managers		6		
			MN30281	Privacy, trust and security in information systems		6		
			MN30464	Depth psychology of organisations		6		
			MN30465	Depth psychology of the consumer		6		
		S2	CH30063	Chemistry project	Optional: Select between 0 and 1 units	12		
			CH30232	Engaging the public with chemistry research		12		
			CH20146	Symmetry and group theory	Optional: Select between 12 and 24 credits	3		
			CH20238	Introduction to computational chemistry		3		
			CH30039	Computational chemistry		3		
			CH30086	Inorganic chemistry in biological systems		3		
			CH30157	Chemistry of functional materials		3		
			CH30211	Chemistry beyond the molecule		3		
			CH30212	Contemporary main group chemistry		3		
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3		
			CH30221	Sustainable chemistry in context		3		
			CH30224	Physical chemistry of food science		3		
			CH30227	Advanced spectroscopic techniques		3		
			CH30230	DNA in the modern world		3		
			CH30231	Porous materials		3		
			CH30236	Organic functional materials and devices		3		
			CH30237	X-ray and neutron techniques for chemists		3		
			MN20503	Intermediate corporate finance for managers		6		

			MN30076	Business strategy		6		
			MN30415	International dimensions of organisation behaviour		6		
			MN30436	Contemporary issues in business and society		6		
			MN30470	Investment and trading		6		
			MN30549	Advanced accounting		6		

BSc (hons) Chemistry with Management with Study Year Abroad

Programme Code:	USCH-AAB04
Programme Title:	BSc (hons) Chemistry with Management with Study Year Abroad
Award Type:	Bachelor of Science with Honours
Award Title:	BACHELOR OF SCIENCE IN CHEMISTRY WITH MANAGEMENT
Mode of Attendance:	Thick Sandwich
State if coexistent M-level programme:	Yes
State any designated alternative programme(s):	BSc (hons) Chemistry with Management (USCH-AFB03)
Approving body and date of approval:	

Year 1									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			MN10070	Business economics	Compulsory	6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			MN10248	Introduction to accounting	Compulsory	6			

Year 2

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20148	Inorganic synthesis, structure and reactivity for natural scientists	Compulsory	12			
			CH20150	Organic synthesis, reaction mechanisms and spectroscopy for natural scientists	Compulsory	12			
			CH20152	Principles of physical chemistry for natural scientists	Compulsory	12			
		S1	MN10545	Organisational behaviour	Select 2 units	6			
			MN20072	Managing human resources		6			
			MN20501	Intermediate accounting		6			
		S2	MN10500	Corporate finance for managers	Select 2 units	6			
			MN20073	Marketing		6			
			MN20445	Corporate responsibility: principles and perspectives		6			
			MN20624	People and innovation		6			

Year 3

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	3	AY	CH30058	Study year abroad (BSc hons and MSci)	Compulsory	60	Y		

Year 4 *No more than 12 credits can be taken at level 2.*
Students must select CH30144, CH30159, CH30063, or CH30XXX during this year of the programme.

3	3	AY	CH30189	General chemistry	Compulsory	3			
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18			
			CH30159	University ambassadors scheme: science		18			
		S1	CH30043	Advanced practical chemistry	Compulsory	6			
			CH30127	Topics in inorganic chemistry I	Optional: Select at least 2 units	3			
			CH30128	Topics in organic chemistry I		3			
			CH30129	Topics in physical chemistry I		3			
			CH20195	Analytical chemistry	Optional: Select	6			
			CH30050	The chemical literature		6			

			CH30203	Radiochemistry	between 9 and 21 credits, up to a maximum of 36 credits for the Semester	3		
			CH30235	Organic chemistry of biomolecules		3		
			MN20074	Digital business innovation		6		
			MN20502	Principles of finance for managers		6		
			MN30281	Privacy, trust and security in information systems		6		
			MN30464	Depth psychology of organisations		6		
			MN30465	Depth psychology of the consumer		6		
		S2	CH30063	Chemistry project	Optional: Select between 0 and 1 units	12		
			CH30232	Engaging the public with chemistry research		12		
			CH20146	Symmetry and group theory	Optional: Select between 12 and 24 credits	3		
			CH20238	Introduction to computational chemistry		3		
			CH30039	Computational chemistry		3		
			CH30086	Inorganic chemistry in biological systems		3		
			CH30157	Chemistry of functional materials		3		
			CH30211	Chemistry beyond the molecule		3		
			CH30212	Contemporary main group chemistry		3		
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3		
			CH30221	Sustainable chemistry in context		3		
			CH30224	Physical chemistry of food science		3		
			CH30227	Advanced spectroscopic techniques		3		
			CH30230	DNA in the modern world		3		
			CH30231	Porous materials		3		
			CH30236	Organic functional materials and devices		3		
			CH30237	X-ray and neutron techniques for chemists		3		
			MN20503	Intermediate corporate finance for managers		6		
			MN30076	Business strategy		6		
			MN30415	International dimensions of organisation behaviour		6		
			MN30436	Contemporary issues in business and society		6		
			MN30470	Investment and trading		6		

			MN30549	Advanced accounting		6		

MSci (hons) Chemistry with Management

Programme Code:	USCH-AFM07
Programme Title:	MSci (hons) Chemistry with Management
Award Type:	Master of Science with Honours
Award Title:	MASTER OF SCIENCE IN CHEMISTRY WITH MANAGEMENT
Mode of Attendance:	Full Time
State if coexistent M-level programme:	Yes
State any designated alternative programme(s):	BSc (hons) Chemistry with Management (USCH-AFB03)
Approving body and date of approval:	

Year 1

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			MN10070	Business economics	Compulsory	6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			MN10248	Introduction to accounting	Compulsory	6			

Year 2

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20148	Inorganic synthesis, structure and reactivity for natural scientists	Compulsory	12			

			CH20150	Organic synthesis, reaction mechanisms and spectroscopy for natural scientists	Compulsory	12			
			CH20152	Principles of physical chemistry for natural scientists	Compulsory	12			
		S1	MN10545	Organisational behaviour	Select 2 units	6			
			MN20072	Managing human resources		6			
			MN20501	Intermediate accounting		6			
		S2	MN10500	Corporate finance for managers	Select 2 units	6			
			MN20073	Marketing		6			
			MN20445	Corporate responsibility: principles and perspectives		6			
			MN20624	People and innovation		6			

Year 3 ***Students may take no more than 12 level 2 credits throughout this year and no more than 36 credits in either semester.. You must select a minimum of 18 credits and a maximum of 24 credits of Management options during this programme year.***
Students must select CH30144, CH30159, CH30063, or CH30232 during this year of the programme.

3	3	AY	CH30189	General chemistry	Compulsory	3		
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18		
			CH30159	University ambassadors scheme: science		18		
		S1	CH30043	Advanced practical chemistry	Compulsory	6		
			CH30127	Topics in inorganic chemistry I	Optional: Select at least 2 units	3		
			CH30128	Topics in organic chemistry I		3		
			CH30129	Topics in physical chemistry I		3		
			CH20195	Analytical chemistry	Optional: Select between 9 and 21 credits, up to a maximum of 36 credits for the Semester	6		
			CH30050	The chemical literature		6		
			CH30203	Radiochemistry		3		
			CH30235	Organic chemistry of biomolecules		3		
			MN20074	Digital business innovation		6		
			MN20502	Principles of finance for managers		6		
			MN30281	Privacy, trust and security in information systems		6		
			MN30464	Depth psychology of organisations		6		
			MN30465	Depth psychology of the consumer		6		
		S2	CH30063	Chemistry project	Optional: Select	12		
			CH30232	Engaging the public with chemistry research		12		

					between 0 and 1 units			
			CH20146	Symmetry and group theory	Optional: Select between 12 and 24 credits	3		
			CH20238	Introduction to computational chemistry		3		
			CH30039	Computational chemistry		3		
			CH30086	Inorganic chemistry in biological systems		3		
			CH30157	Chemistry of functional materials		3		
			CH30211	Chemistry beyond the molecule		3		
			CH30212	Contemporary main group chemistry		3		
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3		
			CH30221	Sustainable chemistry in context		3		
			CH30224	Physical chemistry of food science		3		
			CH30227	Advanced spectroscopic techniques		3		
			CH30230	DNA in the modern world		3		
			CH30231	Porous materials		3		
			CH30236	Organic functional materials and devices		3		
			CH30237	X-ray and neutron techniques for chemists		3		
			MN20503	Intermediate corporate finance for managers		6		
			MN30076	Business strategy		6		
			MN30415	International dimensions of organisation behaviour		6		
			MN30436	Contemporary issues in business and society		6		
			MN30470	Investment and trading		6		
			MN30549	Advanced accounting		6		

Year 4

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
3	4	AY	CH40164	Chemical research 2	Compulsory	30			
		S1	CH40205	Topics in inorganic chemistry II		3			

			CH40206	Topics in organic chemistry II	Optional: Select 2 units	3			
			CH40207	Topics in physical chemistry II		3			
			CH40208	Topics in computational chemistry		3			
			MN50175	Operations management	Compulsory	6			
		S2	MN50583	Strategies for sustainability	Compulsory	6			
			MN50550	Business analytics	Compulsory	6			
			CH40037	Synthesis of medicinal compounds	Optional: Select 6 credits not taken previously at level 3:	3			
			CH40039	Computational chemistry		3			
			CH40068	Physical organic chemistry		3			
			CH40086	Inorganic chemistry in biological systems		3			
			CH40158	Chemistry of functional materials		3			
			CH40211	Chemistry beyond the molecule		3			
			CH40212	Contemporary main group chemistry		3			
			CH40219	Organic and inorganic aspects of homogeneous catalysis		3			
			CH40220	Chemical thermodynamics in context		3			
			CH40221	Sustainable chemistry in context		3			
			CH40227	Advanced spectroscopic techniques		3			
			CH40230	DNA in the modern world		3			
			CH40231	Porous materials		3			
			CH40236	Organic functional materials and devices		3			
			CH40237	X-ray and neutron techniques for chemists		3			

MSci (hons) Chemistry with Management with Industrial Training

Programme Code:	USCH-AKM07
Programme Title:	MSci (hons) Chemistry with Management with Industrial Training
Award Type:	Master of Science with Honours
Award Title:	MASTER OF SCIENCE IN CHEMISTRY WITH MANAGEMENT
Mode of Attendance:	Thick Sandwich
State if coexistent M-level programme:	Yes

State any designated alternative programme(s):	MSci (hons) Chemistry with Management (USCH-AFM07), BSc (hons) Chemistry with Management with Industrial Training (USCH-AKB04)
Approving body and date of approval:	

Year 1

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
1	1	AY	CH10133	Atomic structure, bonding and the Periodic Table	Compulsory	12			
			CH10135	Fundamentals of organic chemistry	Compulsory	12			
			CH10137	From molecules to materials	Compulsory	12			
		S1	CH10009	Foundation chemistry laboratory	Compulsory	6	Y		
			MN10070	Business economics	Compulsory	6			
		S2	CH10193	General practical chemistry	Compulsory	6	Y		
			MN10248	Introduction to accounting	Compulsory	6			

Year 2

Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	2	AY	CH20148	Inorganic synthesis, structure and reactivity for natural scientists	Compulsory	12			
			CH20150	Organic synthesis, reaction mechanisms and spectroscopy for natural scientists	Compulsory	12			
			CH20152	Principles of physical chemistry for natural scientists	Compulsory	12			
		S1	MN10545	Organisational behaviour	Select 2 units	6			
			MN20072	Managing human resources		6			
			MN20501	Intermediate accounting		6			
		S2	MN10500	Corporate finance for managers	Select 2 units	6			
			MN20073	Marketing		6			
			MN20445	Corporate responsibility: principles and perspectives		6			
			MN20624	People and innovation		6			

Year 3									
Part	Stage	Period of Study	Unit Code	Unit Title	Unit Status	Credits	DEU Status	Placement or Study Abroad Status	Notes
2	3	AY	CH30054	Industrial placement (BSc hons)	Compulsory	60	Y		

Year 4 *Students may take no more than 12 level 2 credits throughout this year and no more than 36 credits in either semester.. You must select a minimum of 18 credits and a maximum of 24 credits of Management options during this programme year.* **Students must select CH30144, CH30159, CH30063, or CH30232 during this year of the programme.**								
3	3	AY	CH30189	General chemistry	Compulsory	3		
			CH30144	Dissertation	Optional: Select between 0 and 1 units	18		
			CH30159	University ambassadors scheme: science		18		
		S1	CH30043	Advanced practical chemistry	Compulsory	6		
			CH30127	Topics in inorganic chemistry I	Optional: Select at least 2 units	3		
			CH30128	Topics in organic chemistry I		3		
			CH30129	Topics in physical chemistry I		3		
			CH20195	Analytical chemistry	Optional: Select between 9 and 21 credits, up to a maximum of 36 credits for the Semester	6		
			CH30050	The chemical literature		6		
			CH30203	Radiochemistry		3		
			CH30235	Organic chemistry of biomolecules		3		
			MN20074	Digital business innovation		6		
			MN20502	Principles of finance for managers		6		
			MN30281	Privacy, trust and security in information systems		6		
			MN30464	Depth psychology of organisations		6		
			MN30465	Depth psychology of the consumer		6		
		S2	CH30063	Chemistry project	Optional: Select between 0 and 1 units	12		
			CH30232	Engaging the public with chemistry research		12		
			CH20146	Symmetry and group theory	Optional: Select between 12 and 24 credits	3		
			CH20238	Introduction to computational chemistry		3		
			CH30039	Computational chemistry		3		

			CH30086	Inorganic chemistry in biological systems		3		
			CH30157	Chemistry of functional materials		3		
			CH30211	Chemistry beyond the molecule		3		
			CH30212	Contemporary main group chemistry		3		
			CH30219	Organic and inorganic aspects of homogeneous catalysis		3		
			CH30221	Sustainable chemistry in context		3		
			CH30224	Physical chemistry of food science		3		
			CH30227	Advanced spectroscopic techniques		3		
			CH30230	DNA in the modern world		3		
			CH30231	Porous materials		3		
			CH30236	Organic functional materials and devices		3		
			CH30237	X-ray and neutron techniques for chemists		3		
			MN20503	Intermediate corporate finance for managers		6		
			MN30076	Business strategy		6		
			MN30415	International dimensions of organisation behaviour		6		
			MN30436	Contemporary issues in business and society		6		
			MN30470	Investment and trading		6		
			MN30549	Advanced accounting		6		

Year 5									
Part	**Stage**	**Period of Study**	**Unit Code**	**Unit Title**	**Unit Status**	**Credits**	**DEU Status**	**Placement or Study Abroad Status**	**Notes**
3	5	AY	CH40164	Chemical research 2	Compulsory	30			
		S1	CH40205	Topics in inorganic chemistry II	Optional: Select 2 units	3			
			CH40206	Topics in organic chemistry II		3			
			CH40207	Topics in physical chemistry II		3			
			CH40208	Topics in computational chemistry		3			
			MN50175	Operations management	Compulsory	6			

		S2	MN50583	Strategies for sustainability	Compulsory	6			
			MN50550	Business analytics	Compulsory	6			
			CH40037	Synthesis of medicinal compounds	Optional: Select 6 credits not taken previously at level 3:	3			
			CH40039	Computational chemistry		3			
			CH40068	Physical organic chemistry		3			
			CH40086	Inorganic chemistry in biological systems		3			
			CH40158	Chemistry of functional materials		3			
			CH40211	Chemistry beyond the molecule		3			
			CH40212	Contemporary main group chemistry		3			
			CH40219	Organic and inorganic aspects of homogeneous catalysis		3			
			CH40220	Chemical thermodynamics in context		3			
			CH40221	Sustainable chemistry in context		3			
			CH40227	Advanced spectroscopic techniques		3			
			CH40230	DNA in the modern world		3			
			CH40231	Porous materials		3			
			CH40236	Organic functional materials and devices		3			
			CH40237	X-ray and neutron techniques for chemists		3			

Programme Weightings

The Year 1 marks make no contribution to the overall degree classification of any programme of study. The classification is based on marks obtained in Years 2 and beyond, as appropriate. However, in order to progress to the next stage of your degree programme you do need to pass all units, whether this is at the first attempt or through supplementary examinations.

Please note that you are not always allowed to take supplementary assessments; in particular, if you have failed a significant number of units by a considerable margin, instead you might have to repeat the stage (year) or withdraw from the University.

BSc programmes

Assessment weightings and decision references		
Stage	Weighting within programme	**NFAAR-UG decisions reference** **See NFAAR-UG information at:** www.bath.ac.uk/registry/nfa
Year 1	0 %	Main assessment: Appendix 11 Supplementary assessment: Appendix 12
Year 2	32 %	Main assessment: Appendix 11 Supplementary assessment: Appendix 12
Year 3	68 %	Main assessment: Appendix 27 Supplementary assessment: Appendix 28

MChem and MSci programmes

Assessment weightings and decision references		
Stage	Weighting within programme	**NFAAR-UG decisions reference** **See NFAAR-UG information at:** www.bath.ac.uk/registry/nfa
Year 1	0 %	Main assessment: Appendix 15 Supplementary assessment: Appendix 16
Year 2	16 %	Main assessment: Appendix 23 Supplementary assessment: Appendix 24
Year 3	34 %	Main assessment: Appendix 23 Supplementary assessment: Appendix 24
Year 4	50%	Main assessment: Appendix 27 Supplementary assessment: Appendix 28

Further information

Section in this Handbook on **Assessment**.
Definitions of assessment terms: www.bath.ac.uk/registry/nfa/nfaar-ug-appendix-02.pdf