This booklet is here to provide you with information you need to prepare for your arrival, settle in and make the most out of your Department. It is laid out in chronological order so that you can “work through” it from online registration to finding your way around the campus. The College also has an online repository for you to peruse at [http://www.imperial.ac.uk/students/new-students/](http://www.imperial.ac.uk/students/new-students/) containing information about accommodation, finances, visas and more. There are also Facebook groups, an [Imperial College Chemistry Freshers 2016](https://www.facebook.com/ImperialCollegeChemistryFreshers2016) as well as an [Imperial College London Freshers 2016 (official)](https://www.facebook.com/ImperialCollegeLondonFreshers2016) Facebook page for the 2016 intake.

This Welcome Booklet has been written by Ms June Gan (who completed this booklet over the summer of 2013 at the end of year 2 of her degree) with help and advice from many of our undergraduate students who have answered her questions and completed surveys. It has been updated over the summer 2016. We hope you find it useful, if there are any questions or suggestions to improve the Welcome Booklet further please just let us know by emailing Bridge, [b.duncombe@imperial.ac.uk](mailto:b.duncombe@imperial.ac.uk)

**Useful Info:**

**Please always use your College email address when contacting College staff.**

**Please use the following email address for all enquiries i.e. timetable, programme transfers, general queries:**

chemugadmin@imperial.ac.uk

**Other contact details:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Email</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Mike Bearpark</td>
<td>Disabilities Liaison officer</td>
<td><a href="mailto:m.bearpark@imperial.ac.uk">m.bearpark@imperial.ac.uk</a></td>
<td>020 7594 5727</td>
</tr>
<tr>
<td>Prof. Chris Braddock</td>
<td>Year 1 Tutor</td>
<td><a href="mailto:c.braddock@imperial.ac.uk">c.braddock@imperial.ac.uk</a></td>
<td>020 7594 2677</td>
</tr>
<tr>
<td>Dr. Bridge Duncombe</td>
<td>Director of UG studies</td>
<td><a href="mailto:b.duncombe@imperial.ac.uk">b.duncombe@imperial.ac.uk</a></td>
<td>020 7594 1884</td>
</tr>
<tr>
<td>Dr. Rob Law</td>
<td>Senior Tutor and Year 1 Tutor</td>
<td><a href="mailto:r.law@imperial.ac.uk">r.law@imperial.ac.uk</a></td>
<td>020 7594 5860</td>
</tr>
<tr>
<td>Ms Raj Sandhu</td>
<td>Admissions and Examinations Officer</td>
<td><a href="mailto:r.sandhu@imperial.ac.uk">r.sandhu@imperial.ac.uk</a></td>
<td>020 7594 5721</td>
</tr>
<tr>
<td>Dr. Paul Wilde</td>
<td>Employability and Professional Skills Tutor</td>
<td><a href="mailto:p.wilde@imperial.ac.uk">p.wilde@imperial.ac.uk</a></td>
<td>020 7594 5832</td>
</tr>
</tbody>
</table>
Term dates:

- **Autumn Term**: Saturday 1 October to Friday 16 December 2016
- **Spring Term**: Saturday 7 January to Friday 24 March 2017
- **Summer Term**: Saturday 29 April to Friday 30 June 2017

We look forward to seeing you in the Department on Monday 3rd October 2016

Provisional Term Dates for academic year 2017/18 onwards:

[https://www.imperial.ac.uk/admin-services/registry/term-dates/](https://www.imperial.ac.uk/admin-services/registry/term-dates/)

The College and Department expect you to be available for all term-time activities. However, if you need to be absent during term-time please contact Bridge (b.duncombe@imperial.ac.uk) prior to taking leave of absence.

Some important information on communication:

Once you have registered (which you can do from 5th September 2016 online (please see page 7 for more details). You will be able to access to use your College ID to get Microsoft 365 software for free! You will be able to install the latest version of Microsoft Word, Excel, PowerPoint, OneNote and much more on up to five compatible, personally owned PCs and Macs, plus five tablets, including iPad. Read more on: [www.imperial.ac.uk/](http://www.imperial.ac.uk/)


The Department will communicate a great deal of information via your College email account, so please do check it daily. Once you have your College email account set up please do make sure you communicate with the Department via that account rather than any other email address.
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Dear all,

Welcome to the Chemistry Department of Imperial College. You have all done brilliantly to have gained your place here and we are honoured that you have chosen us as the people to study with. You will, at some time or another, be taught by every one of our 55 academic staff, headed up by our Director of Undergraduate Studies, Dr Bridge Duncombe. We, like you, come from all over the world, but have chosen Imperial as the best place to study Chemistry. We all look forward to meeting you.

We pride ourselves at Imperial College on being welcoming to anyone who has a passion to study Chemistry. We do not judge people on where they come from, the colour of their skin, who they are or what they believe. We expect you to remember this as you meet with your colleagues and all staff in the Department. In truth, you will discover that you have more to learn from people who are different to you than from people who are similar. It is the great diversity of people in the Department that makes Imperial such a fantastic place to be.

In your studies here, we hope to show you how exciting, stimulating and useful modern Chemistry is. You will find that studying at the cutting-edge of a subject at University requires a lot of commitment and probably more independent work than you were used to at school. However, our staff will always be happy to help you with your studies. Dr. Bridge Duncombe and her team will also help you to navigate your way through the inevitable bureaucracy that comes from being in an organisation as big as this.

It might surprise you in a college that expects such a commitment to your studies that Imperial has one of the highest level of student society activities of any university in the country. We hope that you find something in these that you enjoy doing. If you can’t, you can always start one of your own. We also have our own student society “ChemSoc” which organises talks and social events. Please get involved with this. We also have regular departmental social events where you can discover that your lecturers are human beings too.

We hope that you enjoy your studies here at Imperial and look forward to meeting you all.

Best wishes,

[Signature]

Alan
Head of Chemistry
Welcome to Chemistry from your DuGS

Dear Student,

Well what can I say other than well done and congratulations on passing your exams? Of course, you must be excited to begin your studies at Imperial and to start living in London. In order to help you settle in, our students have compiled this welcome booklet to help you in the first few weeks and to know what to expect. While it cannot cover everything you need to know, it does cover the basics and it will get you started. Of course, once you are in the Department you are going to meet a number of different people who will help you during your studies. So, in the first week you will be assigned a personal tutor, this is an academic who will take an interest in your academic progress as well as provide some degree pastoral support.

My role as Director of Undergraduate Studies (DUGS) is to manage the undergraduate degree programmes and to make sure that we are providing you with the best opportunities during your studies. I have an office in the Student Services Centre in the Department of Chemistry (on level 2 of the main Chemistry building) and please feel free to pop by for a chat. Alongside the work of the personal tutors, I spend a great deal of time talking to students to find out how they are finding their degree — this is usually over lunch. So, if you receive an email asking you to come to lunch – please take up the offer it is always fun and you will be helping me support and develop our programmes.

If I think back to when I started at University, I can remember how exciting it was but also how daunting, not knowing anyone and not really knowing what to expect. It can’t be very different to how you are feeling now. All I can say is that these few years are going to be challenging both in terms of how hard you will need to work as well as how great your time will be. You will make life-long friends whilst at Imperial and you will have many opportunities available to you. The effort you put into everything you do now will be reflected in the sense of achievement you will have.

Finally, I think I can speak for everyone in the Department when I say welcome to our community, we are looking forward to helping you become the best you can be over the coming years.

Best wishes

Bridge
Director of Undergraduate Studies (Room 258B, Student Services Centre, Dept. of Chemistry, email: b.duncombe@ic.ac.uk)

PS. Everyone calls me Bridge, not Dr. Bridgette Duncombe, just Bridge and I would wish you to do the same.

PPS. On the back pages of this booklet we have put together answers to some frequently asked questions
Hello everybody!

First of all a warm welcome from the entire Department and congratulations for now officially becoming a student at Imperial College.

My name is Max and I will be your Departmental Representative (Dep Rep) over the coming year. As a Dep Rep my primary task is to represent your opinions, ideas and concerns to staff and vice-versa. Alongside myself there are a number of other people who will aid this process, amongst these will be your Year Representatives (Year Reps) who will be elected shortly after the start of term. Over the past few years the student representatives have built a strong and cordial relationship with staff, in order to make your life at Imperial as enjoyable as possible and ensure your well-being over the course of your degree.

Being in my final year at Imperial I have a number of hints and tips on university life in London, which I would like to share with you in order to make your start at university as easy as possible.

One of the first most important differences between university life and school is that you will have to be far more independent. Don’t stress about it though, everybody has to go through this process and although it may take some of you longer than others, all of you will get there eventually. Also make sure not to worry too much about first year in terms of coursework and exams, as it only contributes towards 10 % of your overall degree results! Having said this, don’t use it as an excuse to neglect your studies, as each subsequent year builds on the concepts that you have come across previously.

Besides your academic curriculum, make sure to also take advantage of the various societies and events offered by the Department, as they are a great and fun way to meet new people. Moreover, taking a break from your studies will also ensure that you maintain a healthy work/life balance and enjoy your time here to the fullest.

Lastly, make sure to interact with as many people as possible. Everybody within and outside of the Department is a great source of knowledge and are often able to help you out better than any textbook can.

If there is anything more that you would like to know about life at university, your academic career or anything else, please feel free to contact me any time.

I am looking forward to meeting every single one of you,

Max Moser (maximilian.moser13@imperial.ac.uk)
Welcome to Imperial!!

You made it here: well done! After trying every synonym to avoid describing your “passion” for chemistry in your personal statement; all those interviews where in the heat of the moment you forgot what an ester was, let alone how you make one; and finally made it somehow through final exams, you are about to begin your journey in a great university within the best department (in my unbiased opinion).

I’m Cat, your ChemSoc president this year, and I head the committee that will be organising social, careers and academic events to welcome you into our Chemistry community. Whether you want to hear about cutting edge science in our Seminar series, get some career advice and ideas, or just unwind after a full day of labs at a bar night, we aim to host something for you. Some of the events we currently have planned include Pub Quizzes, Careers Fair, Curry Night, Bar Night, Seminars throughout the year and Free Jumping. We are also hosting some events in conjunction with other DepSocs, to connect you with people on other courses outside your halls.

University will be different from school and living with your parents, and that’s part of the fun! But we’re here to make the transition into a new learning environment, city, and potentially country as smooth and fun as possible. To help, each year we run the Mums and Dads scheme, where you are paired up with two students from older years, who will most likely have had the same lab reports and similar courses as you will, so they can offer help and guidance from first hand experience.

Imperial has a lot to offer outside of the Chemistry Department (and yes, beyond the Library as well), so whether you want to join a sports team, belt out some Beyonce on stage, build a rocket or fly a plane (yes, those are all real clubs and societies within the Union!), I would encourage you to give something a go during your time here.

You can keep up to date with ChemSoc here (https://union.ic.ac.uk/rcsu/chemsoc/), and we have a dedicated Facebook page here (https://www.facebook.com/ImperialChemSoc/). All that’s left for me to say is that I look forward to seeing you on your first day, and if you have any questions or suggestions please drop me an email at catherine.saunders14@imperial.ac.uk

Cat Saunders

ChemSoc President
The Website

The best starting place. The calendar is constantly updated with events such as bar nights, trips out and careers events too, so it’s up to you to take advantage of the social and academically-focused perks of membership. The Useful Links section contains websites and software that you might find useful for coursework and reports, including everything from spectral databases to material safety data sheets.

“Mums and Dads”

The buddy system is the first scheme you will encounter by ChemSoc. Freshers are grouped into “families” of 4-5 and will meet their “parents” in the first week. The “parenting” scheme is the perfect chance for you to interrogate the upper years about their experience so far, but this is not restricted to chemistry! Feel free to talk about anything from lab fears to collegiate-level sports and music.

The Fun Side

The annual cocktail party is an opportunity to sample homemade concoctions like Ces on the Beach and is the perfect chance to relax with your friends after a long day in labs. Staff often join the revelry with a Braddock Bulldog in hand. In addition to these, we have a few quizzes and nights out a year—the buddy pub crawl is usually in October but this is not the only event, there are meals out, for example, later in the year.
The Department of Chemistry at Imperial was established with the Royal College of Science in 1845. Since then it has grown to become one of the largest departments in the UK, recognised as a world-class institution for both teaching and research.

We boast 55 academic staff, many of whom are internationally renowned in their own fields, and 5 Nobel Prize winners, including Sir Derek Barton, Lord George Porter and Sir Geoffrey Wilkinson (who even has a hall of residence named after him).

Other famous alumni include Sir Patrick Linstead (who also lends his name to a hall of residence), Henry Armstrong, Sir William Crookes and Sir William Perkin, who discovered the dye mauveine in this very Department and is now considered the father of the synthetic dye industry.

The Imperial learning experience is due to two main factors — your hard work and our teaching. In the 2015/16 academic year, Prof. Don Craig and Prof. Ramon Vilar were presented with President’s Teaching Awards: http://www.imperial.ac.uk/about/leadership-and-strategy/provost/vice-provost-education/presidents-awards-for-excellence-in-education/

and further Faculty teaching awards were bestowed upon Dr. George Britovsek and Dr. James Wilton-Ely http://www.imperial.ac.uk/natural-sciences/staff/education-and-teaching/fons-annual-prizes-for-excellence/ (all of whom will teach you in year 1), recognition of the high quality of the education the Department provides.

However, our prowess does not stop purely at teaching. Professor Sue Gibson was made an OBE for services to chemistry and science communication, and Prof. Mike Bearpark is one of the developers of the Gaussian program, widely used in computational chemistry. If you are keen to learn more about our research please visit our research webpages: http://www.imperial.ac.uk/chemistry/research/research-themes/

The feeling of being immersed in such a globally-acclaimed Department is second only to the friends you make here. Our undergraduate cohort is international, with over 550 students from all four corners of the world, and this diversity is just another jewel in our crown.

Welcome to Imperial College Chemistry.
Another year has passed and we are busily preparing for a new intake of students. The academic year begins on Monday 5th October for all new students, with welcome events and inductions throughout the first week. For new international students, there is a separate series of talks before the start of term, (see pg. 21).

There are some webpages on the Imperial College website that are for new students, they can be found at this link: [http://www.imperial.ac.uk/students/new-students/undergraduates/](http://www.imperial.ac.uk/students/new-students/undergraduates/)

**Registration**

**URL:** [www.imperial.ac.uk/studentservice](http://www.imperial.ac.uk/studentservice)

**Records and data URL:** [http://www3.imperial.ac.uk/registry/currentstudents/howtoregister](http://www3.imperial.ac.uk/registry/currentstudents/howtoregister)

All registration now takes place online, and opens this year on 5th September. You should have received instructions via email on how to register, including instructions on how to set up your College email account.

In summary, all students are required to fill in their personal details on Student e-Service and upload a photograph which will be used for your College ID card (CID). This option is only available up until the day before the course starts.

Overseas students will also be asked to upload the photo page of their passport and visa, and provide the corresponding passport and visa numbers.

It is advisable to print your ‘Registration Confirmation’ page – this will appear once you have registered — you may need this later.

**College ID cards**

**URL:** [http://www.imperial.ac.uk/students/new-students/undergraduates/arrivals-and-induction/collecting-your-college-id/](http://www.imperial.ac.uk/students/new-students/undergraduates/arrivals-and-induction/collecting-your-college-id/)

Your CID is your identification card in and around campus, allowing you to access your halls, departmental buildings and the library. It also gets you the student price for food in the catering outlets on campus.

Most students will receive their CIDs on move-in day, but in case you do not fall into this category, the table below covers the different scenarios.

<table>
<thead>
<tr>
<th>Photo uploaded, arriving in week 1</th>
<th>Receive CID on move-in day</th>
<th>CID will be sent to your department for distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No photo, arriving in week 1</td>
<td>Bring Registration Confirmation to Security and have your photo taken. CID sent to your department for distribution</td>
<td>Bring Registration Confirmation page to Security and have your photo taken. CID sent to your department for distribution</td>
</tr>
<tr>
<td>No photo, arriving after week 1</td>
<td>Bring Registration Confirmation to Security and have your photo taken to obtain your CID</td>
<td>Bring Registration Confirmation page to Security and have your photo taken to obtain your CID</td>
</tr>
</tbody>
</table>

**INFO BITE** Your College email address is your main point of correspondence with your personal tutor, course administrator or any other College staff.

The Mingle is the Union’s official fresher’s welcome party.
The Year 1 Programme

Our year 1 programme is dependent on your programme choice but there is a core syllabus that all students will follow no matter which programme you are on.

Our core syllabus is made up of core lecture courses (topics) on chemistry as well as a laboratory module. Alongside the core lecture courses you will also take what is known as an ancillary. In some cases, this is already set i.e. if you are taking F124 our Chemistry with Medicinal Chemistry programme then your ancillary will be our “Medicinal Chemistry 1” ancillary. On the following pages you will find more information about the ancillary choices available.

With this welcome booklet, you will have also been sent a link to our ancillary choice questionnaire, please complete this as soon as possible and no later than Friday 9th September 2016.

Alongside your programme and ancillary you may also take a course from “Horizons”, a College-wide programme, just for fun or for extra (non-degree) credit. The only caveat is that if you are taking a language as an ancillary, then you will not be able to take an extra Horizons course as they use the same time-tabled slot, unfortunately.

**Your year 1 term 1 core lecture courses (you will also have a laboratory course as well as your ancillary lecture course):**

<table>
<thead>
<tr>
<th>Lecture Module Code</th>
<th>Lecture Module Name</th>
<th>Lecture Module Topic</th>
<th>Name of Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Alkanes, Alkenes, Alkynes</td>
<td>Dr. David Mountford (DMM)</td>
</tr>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Atomic Structure</td>
<td>Dr. Andy Ashley (AEA)</td>
</tr>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Quantum Chemistry (Models)</td>
<td>Dr. Paul Wilde (CPW)</td>
</tr>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Solvents &amp; Solvent Effects</td>
<td>Prof. Tom Welton (TW)</td>
</tr>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Spectroscopy</td>
<td>Prof. David Klug (DRK)</td>
</tr>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Spectroscopy and Characterisation</td>
<td>Dr. George Britovsek (GB)</td>
</tr>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Stereochemistry</td>
<td>Dr. Matt Fuchter (MJF)</td>
</tr>
<tr>
<td>CHEM40001</td>
<td>Introduction to Chemistry</td>
<td>Structure Mechanism and Reactivity</td>
<td>Prof. Alan Armstrong (AA)</td>
</tr>
<tr>
<td>CHEM40005</td>
<td>Chemistry Coursework 1</td>
<td>Measurement Science 1 (lecture course to support the measure-ment science 1 lab)</td>
<td>Prof. John de Mello (JdM)</td>
</tr>
</tbody>
</table>
### Overview of lecture topics for year 1

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
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</thead>
<tbody>
<tr>
<td>Introductory Biochemistry and Cell Biology</td>
<td>Introduction to Medicinal Chemistry</td>
<td>Introduction to Medicinal Chemistry and Disease</td>
</tr>
<tr>
<td>Enzymes</td>
<td>End of Course Tutorial</td>
<td></td>
</tr>
<tr>
<td>Core courses</td>
<td>Extra maths support lectures</td>
<td>Maths and Physics for Chemists Ancillary</td>
</tr>
<tr>
<td>Medicinal Chemistry 1 Ancillary</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Key:**
- $X + YP + ZWCP$
- $X =$ Number of lectures
- $Y =$ Number of small group problem classes
- $Z =$ Number of whole cohort problem classes

<table>
<thead>
<tr>
<th>Topic title</th>
<th>Number of lectures and problem classes</th>
<th>Initials of the lecturer</th>
<th>Core courses</th>
<th>Extra maths support lectures</th>
<th>Maths and Physics for Chemists Ancillary</th>
<th>Medicinal Chemistry 1 Ancillary</th>
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</tr>
<tr>
<td>Organic</td>
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</tr>
<tr>
<td>Physical</td>
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<tr>
<td>Maths Provision</td>
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<tr>
<td>Computational Chemistry Provision</td>
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<td></td>
</tr>
<tr>
<td>Terms</td>
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</tbody>
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- **Inorganic**
  - TIV 4
- **Organic**
  - AEA 8-SP
  - SYR 8-SP
- **Physical**
  - Measurements of Science 8-SP
  - Spectroscopy DISK 8-SP
- **Maths Provision**
  - Maths I 8-SP
  - OPW 8-SP
  - ENG 8-SP
- **Computational Chemistry Provision**
  - MPC1 8-SP
  - RU 8-SP
  - 20 + 10 Tabular
- **Terms**
  - Term 1
  - Term 2
  - Term 3
Sample Timetable

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 November 2016</td>
<td>9th</td>
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<tr>
<td>27 November 2016</td>
<td>10th</td>
</tr>
<tr>
<td>28 November 2016</td>
<td>11th</td>
</tr>
<tr>
<td>28 November 2016</td>
<td>12th</td>
</tr>
</tbody>
</table>

Things to note:
1. This is the lecture timetable for a particular student – your timetable will contain all information that you require but possibly look different to your class colleague.
2. There are also academic tutorials (organic, inorganic and physical) which will appear in the timetable at a rate of 1 tutorial per week.
3. Some tutorials are not in lecturers, labs, seminars, and problem classes. They are guest lectures, industry events, and personal development.
4. You do not teach on Saturday or Sunday.
5. When you are not in lectures, labs, seminars, and problem classes, our expectation is that you are undertaking private study. Many students do this in groups and all of our tutorial spaces, computer rooms, and the library are available for group work.

To find out more visit www.imperial.ac.uk/chemistry
Imperial Mobile

Imperial mobile is the way that most students access information regarding their timetable, email, our virtual learning environment (BlackBoard) as well as many central College and Student Union services and information.

More information about the app and how to download it can be found here:

http://www.imperial.ac.uk/students/online-services/mobile/

We are really keen that you download the app as soon as you are able and once timetables are released, use the app to access your timetable on a regular basis. Our timetables do change and whilst we make every effort to make sure you are aware of any planned changes it is important that you check your timetable via the app on a regular basis.
Choose your Ancillary

URL: http://www.imperial.ac.uk/chemistry/undergraduate/course-structure-and-content/ancillary-programme/year-1-ancillary-courses/

Ancillary courses are supplementary courses to the core syllabus. For most students, this will be an unrestricted choice of any of the following ancillaries listed, but some degrees have pre-determined ancillaries (e.g. F124 must choose Medicinal Chemistry 1). The courses take up 50-60 teaching hours across the Autumn and Spring terms and are examined in the Summer term.

In addition to taking an ancillary, you may want to participate in the Imperial Horizons scheme. This course is not for credit (so not examined), but is designed to broaden your education. Topics include Science, Society and Culture and Global Challenges, and will develop your skills in problem-solving, communication and teamwork.

Further information on the ancillaries and Horizons can be found in the following pages and at the link above. If in doubt, ask a question on the Chemistry Freshers facebook group or contact Bridge. The Department allows you to change your ancillary within the first few weeks of term but there is a deadline for ancillary choice transfers which is the end of week 5.

Medicinal Chemistry 1 (MC1)

This course is compulsory for students registered on the F124 and F125 degree programmes but may be taken by the following programmes as well: F100, F101, F103, F104, F105, F1NF, F111.

A minimum of AS-level knowledge of biology will be assumed throughout. It is therefore recommended that all students coming on to the Medicinal Chemistry course have a good grade at AS-level (preferably A-level) biology. For those without AS-level biology or those wanting to brush-up on their biology, pre-course material will be made available on Blackboard prior to the start of the Medicinal Chemistry course.

The course comprises a series of lecture courses given by staff from the Chemistry Department covering the following topics: 1) Protein structure and function. 2) Molecular cell biology underpinning drug discovery. 3) Introduction to medicinal chemistry and drug discovery. 4) Introduction to physiology and disease. 5) Enzymes.

Please do contact the Course Coordinator: Dr David Mountford (d.mountford@imperial.ac.uk) if you have any queries.

STUDENTS SAY I thought all the modules were taught well. They were all interesting, although you shouldn’t underestimate how much there is to learn! It’s fine though, I just started revising earlier.
Students say

The Spanish course was varied and interesting. It helped to complement my Science studies but also gave me diversity as I had the opportunity to study some Spanish literature, history and politics.

Maths and Physics for Chemists (MPC1)

This course is compulsory for students registered on the F1F3 and F1FH degree programmes. However, may be taken by the following programmes as well: F100, F101, F103, F104, F105, F1NF, FN11.

A strong background in Mathematics is essential for this course.

The course comprises a series of lectures and tutorials given by staff from the Departments of Mathematics and Physics covering the following topics:

1) Mathematics: review of concepts; series expansions; partial differentiation; ordinary differential equations (ODEs) and vector algebra.

2) Physics: basic mechanics, vibrations and waves.

Please contact the Course Coordinator: Dr. Joao Malhado (malhado@imperial.ac.uk) if you have any queries.
Broaden your education. Enhance your potential.

Looking to get the most out of your degree? Imperial Horizons is a programme for undergraduates designed to broaden your education, inspire your creativity and enhance your professional impact. Horizons is the programme developed by College to do this. The courses in year 1 can be used to gain extra credit (in addition to your programme credit) or just taken for fun.

Choose from more than 20 different course options from the following four fields of study:

- Business & Professional Skills
- Global Challenges
- Science, Culture and Society
- Languages and Global Citizenship

**Key benefits of Imperial Horizons include:**

**Give yourself a unique edge.** These courses will give you opportunities to develop your skills in communication, problem-solving and teamwork.

**Make your degree transcript stand out.** Imperial Horizons courses are included on your degree transcript as a valuable selling point for employers.

**Study for free during normal teaching hours.** All Departments have set aside time for Imperial Horizons:

- **First Years: 16.00-18.00 on Tuesdays**

1st year courses run over 8 weeks in Autumn and/or Spring terms (but languages run over 19 weeks) and are not taken for degree credit. Pass, Merit or Distinction will be recorded on the student transcript. No ECTS (credit) points are available for these courses unless they are a two-term course.

1st year language courses run for 19 weeks (two-term) across Autumn and Spring terms, and may be taken for degree credit - which does count towards your degree - as part of the Year in Europe, or Languages for Science programmes, or where allowed by the Department ([http://www.imperial.ac.uk/horizons/manage-your-course/taking-a-course-for-credit/](http://www.imperial.ac.uk/horizons/manage-your-course/taking-a-course-for-credit/)). They are worth 6 ECTS points and can also be taken for extra credit - which does not count towards your degree. The Department allows you to take a language at any level in year 1 to count towards your degree.

Courses taken for extra credit appear on a student’s transcript as pass, merit or distinction. Fails do NOT appear on the transcript if the course has been taken for extra-credit. If taken for degree credit an actual mark is recorded on the transcript.

Each department has its own rules as to which courses can be taken for extra credit or degree credit. These are subject to change, but the latest list can be found here: ([http://www.imperial.ac.uk/horizons/manage-your-course/taking-a-course-for-credit/](http://www.imperial.ac.uk/horizons/manage-your-course/taking-a-course-for-credit/)).

Register your course preferences on the Imperial Horizons website from 5th September 2016, during Welcome Week, but before the deadline on Monday, 10th October 2016.

To find out more, visit our website: [www.imperial.ac.uk/horizons](http://www.imperial.ac.uk/horizons)

Enrolment Information for 1st Year Students: [http://www.imperial.ac.uk/horizons/](http://www.imperial.ac.uk/horizons)
The job market is a competitive space for graduates. A proven way to give yourself an edge over other graduates is by completing work experience during your undergraduate studies.

We work closely with potential employers and are regularly told that graduates are specifically targeted who have completed work experience, as these individuals are recognised as having:

- gained transferrable skills
- demonstrated professionalism
- been considered job-ready

To support you in finding and applying to suitable 12 month placements, summer internships and graduate jobs, there are a number of specific events run by the Department in collaboration with both Imperial’s Career Service as well as our employer network. Professional skills slots will appear in your timetable and the Department strongly advises you to attend these events.

Although finding a position will ultimately be your responsibility help will be available at every step of the process.

If you wish to gain work experience during your undergraduate degree, you may be interested in transferring on to our degree programmes that include a Year in Industry – FN11, F105, F125, F1FH, F101.

In these 5 year programmes, a **12 month placement is completed at a host company within a graduate level role** during Year 4.

Imperial Chemistry alumni have previously completed placements at the following companies:

<table>
<thead>
<tr>
<th>Company 1</th>
<th>Company 2</th>
<th>Company 3</th>
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</thead>
<tbody>
<tr>
<td>3M</td>
<td>Cambridge Display Tech Ltd</td>
<td>Hexcel Ltd</td>
</tr>
<tr>
<td>AkzoNobel - ICI Paints</td>
<td>Deutsche Securities Inc</td>
<td>Home Office Scientific Development Branch</td>
</tr>
<tr>
<td>AkzoNobel - International Paint Ltd</td>
<td>Diageo</td>
<td>Johnson Matthey</td>
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<tr>
<td>Analytical and Tracer Solutions (Tracerco)</td>
<td>DSTL</td>
<td>King's College London, Drug Control Centre</td>
</tr>
<tr>
<td>AstraZeneca</td>
<td>Element 6</td>
<td>Lubrizol Limited</td>
</tr>
<tr>
<td>AWE</td>
<td>F Hoffmann La Roche Ltd</td>
<td>Medical Research Council Technology</td>
</tr>
<tr>
<td>BASF</td>
<td>Firmenich</td>
<td>Merck Chemicals Ltd</td>
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<tr>
<td>Boehringer Ingelheim</td>
<td>GSK</td>
<td>Merck Sharp &amp; Dohme</td>
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<tr>
<td>British American Tobacco</td>
<td>Heptares Therapeutics</td>
<td>Mitsui OSK Bulk</td>
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<tr>
<td>Novartis</td>
<td>Randox Laboratories</td>
<td>Schlumberger</td>
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<tr>
<td>Pfizer Ltd</td>
<td>Route des Jeunes 1</td>
<td>Solvay Chemicals</td>
</tr>
<tr>
<td>Plaxica</td>
<td>Rutherford Appleton Laboratory STFC</td>
<td>UCB</td>
</tr>
</tbody>
</table>
Dear students,

I hope you have had an enjoyable summer and that, after pictures of you jumping in the air whilst holding a piece of paper with some A-level results on it recently appeared in the National Press, you are ready to begin your Chemistry degree.

Many people think that all chemists do is slave over a hot flask filled with a lurid coloured liquid that’s both bubbling disturbingly and giving off a thick vapour as they strive to make a new cancer drug or turn base metal into gold. Thus it comes as quite a surprise to them to find that Chemistry involves a fair amount of Maths. These days, you might find that before a research scientist dashes off to the lab to stew up some coloured liquids and make a new drug, someone has actually harnessed the power of computers and calculations to see if the new drug is predicted to be useful based on its chemical structure (bond lengths and angles all calculated) and how it will interact with other molecules, proteins, DNA or cell membranes in the body. Crunching the numbers before going to the lab saves lots of time and money.

This is just one area where Mathematics and computational work underpin chemistry but is perhaps an area of the subject that is a bit too advanced for the first year of a Chemistry degree. However, it makes the point that mathematical methods are increasingly important to many Chemists and it reminds us that a high proportion of the fundamental building blocks of Chemistry (many of which you will already have encountered, e.g. kinetics, thermodynamics, spectroscopy and quantum mechanics to name four) require a good understanding of a range of mathematical methods and techniques.

The Department asks new students to carry out some revision work over the summer in preparation for the course. You will need to be confident in using the maths you studied at A-Level (or equivalent) to be able to appreciate many aspects of the Chemistry that you will learn (the previous paragraph contains some examples, you will encounter many more as you progress through your degree). The purpose of this revision is therefore to help you consolidate this material in preparation for the start of term.

The amount of time involved is not a lot and the material should not be new to you. All the material you need should be available either in your own notes or in standard textbooks (textbooks are those things we used before the internet came along- ask your Mum or Dad to show you one if you are not sure).

In the first week of term you will be required to take a Mathematics test. It is compulsory for all students and is designed to test your understanding of the Maths that underpins the Chemistry in the first part of year 1. If you have been able to work through the topics without major problems, you should have no difficulty with the test and should expect to achieve high marks.

However it is possible that, once the results of the test are known you may be required to attend an extra series of mathematics lectures.

Further details will be provided during induction classes in the first week. I look forward to meeting you in October!
Revision Checklist

**General arithmetic without the use of a calculator (addition, subtraction, multiplication and division)**

The use of significant figures (this will include having to multiply or divide numbers expressed with differing numbers of significant figures)

Rearrangement of algebraic expressions including those that involve simple powers and roots. This will include, but not be restricted to, factorisation and changing the subject of an equation

**Conversions between units:**

Whilst Chemists try to use SI units where possible, many quantities are in fact more easily discussed in the older units (e.g. it’s easier to say that a photon has an energy of 2 eV than an energy of $3.20438 \times 10^{19}$ J! or that the bond length of the OH bond in water is about 1 Å rather than $10^{-10}$ m). Thus you will find units such as Angstroms (Å) and electron volts noted below.

- Lengths: km, m, dm, cm, mm, μm, nm, Å, pm.
- Areas and volumes based on the length units cited above.
- Energy: Joules (J), calories (cal), electron-volts (eV).
- Temperature: Celsius (°C), Fahrenheit (°F), Kelvin (K).
- Pressure: atmospheres (atm), Pascals (P), bar, torr.
- Speed: m/s, cm/s, km/h, miles/h.
- Conversion between moles and number of molecules.
- Conversion between and understanding of Cartesian and polar coordinates.
- Angles: radians, degrees.

**Trigonometry and Algebra:**

- Plotting trigonometric functions without the use of a graphical calculator. This will include functions of the form $A \sin(kx)$, $A \cos(kx)$ and $A \tan(kx)$ where $A$ and $k$ are constants.
- Calculating the volumes and areas of cylinders, spheres and cuboids.
- Obtaining algebraic solutions to simultaneous equations.
- Explaining the difference between explicit and implicit functions.
Bases, Powers and Logarithms:

Multiplication and division of numbers or equations expressed in terms of bases and powers (i.e. in terms of the form \( a^x \) and/or \( 10^x \)). The powers may be positive, negative and fractional (e.g. \( a^2 \), \( a^{-2} \), \( a^{1/2} \)). Examples include (but will not be restricted to):

\[
\begin{align*}
  a^x \times a^y &= a^{(x+y)}; \\
  a^x \div a^y &= a^{(x-y)}; \\
  (a^x)^y &= a^{(xy)}
\end{align*}
\]

The use of the logarithmic functions \( \ln \) and \( \log \):

\[
\begin{align*}
  \log(a) + \log(b) &= \log(ab) \\
  \log(a) - \log(b) &= \log(a/b) \\
  \log(a^b) &= b \log(a)
\end{align*}
\]

Differentiation:

- Polynomials including functions of the form \( f(x) = ax^b \)
- Exponentials and logarithms (e.g. \( f(x) = b e^{ax} \); \( f(x) = a \ln(x) \))
- Trigonometric functions (e.g. \( f(x) = Asin(kx) \); \( f(x) = Acos(kx) \); \( f(x) = Asin^n(kx) \); \( f(x) = Acos^n(kx) \))

Using the chain rule \( \frac{dy}{dx} = \frac{dy}{du} \times \frac{du}{dx} \)

Using the product rule \( \frac{d(u \times v)}{dx} = u \frac{dv}{dx} + v \frac{du}{dx} \)

Using the quotient rule \( \frac{dy}{dx} = \frac{v \frac{du}{dx} - u \frac{dv}{dx}}{v^2} \)

Integration:

- Power functions (e.g. \( \frac{dy}{dx} = ax^{n+1} \))
- Logarithmic, exponential, sin and co-sine functions

- Using integration to calculate the area under a graph (i.e. integration with limits)

Graphs:

- Sketching linear, quadratic, exponential and logarithmic functions without the use of a graphical calculator.
- Determining turning points (maxima and minima) using the second differential of an equation.

STUDENTS SAY  I read this list before I came and had no idea what Å (angstrom) was. It's \( 1 \times 10^{-10} \) metres.

Also, please don't stress about this compulsory maths test — it's really easy, and it's even multiple choice.
Your first few days at College will be busy settling in, getting to know your peers and learning about the Department. We have arranged a number of activities starting at **09.30am Monday 3rd October** in the Department. The timetable below is provisional and will be finalised in preparation for your arrival (so expect timings and venues to change). We encourage you to attend these sessions and some are compulsory. However, if because of travel arrangements you are unable to, please let us know as soon as possible.

<table>
<thead>
<tr>
<th>DAY</th>
<th>TIME and VENUE</th>
<th>EVENT</th>
<th>COMMENTS</th>
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<tbody>
<tr>
<td>Monday 3rd October</td>
<td>09.30 – 10.30 Chemistry Common room</td>
<td>Welcome by Dr. Bridge Duncombe (Director of UG Studies) Collection of Induction folders</td>
<td>Surnames A—M please arrive at 09.30 (and no later than 09.45) Surnames N—Z please arrive at 10.00 (and not before)</td>
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<tr>
<td>10.30 – 11.30</td>
<td>Venue to be confirmed</td>
<td>ChemSoc Presentation</td>
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<tr>
<td>11.50 – 12.40</td>
<td>Great Hall (overflow Pipillard/Read lecture theatres)</td>
<td>Provost’s Welcome To UG Natural Sciences 1 (Life Sciences, Chemistry)</td>
<td></td>
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<tr>
<td>13.00 – 14.00</td>
<td>Chemistry Common room</td>
<td>ChemSoc Buddy lunch</td>
<td></td>
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<tr>
<td>Tuesday 4th October</td>
<td>ALL DAY Great Hall, Sherfield, Beit Quad</td>
<td>Student Union Freshers’ Fair</td>
<td>You are free all day to enjoy the Freshers’ Fair. However, if you have any queries about your course please feel free to pop by the Student Services Centre, level 2 room 258</td>
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<tr>
<td>16:00 room S303A/B (TBC) in the Centre for Languages, Culture and Communication</td>
<td>Language talks</td>
<td>For those students taking joint honour with language programmes</td>
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<tr>
<td>DAY</td>
<td>TIME and VENUE</td>
<td>EVENT</td>
<td>COMMENTS</td>
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<tr>
<td>Wednesday 5th Oct</td>
<td>9.00 – 10.30</td>
<td>Meet your DUGS, Senior Tutor, year tutors,</td>
<td>The welcome pack you collect on Monday will tell you which session you must attend (1 or 2)</td>
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<tr>
<td></td>
<td><strong>Venue to be confirmed</strong></td>
<td>Employability &amp; Professional Skills Tutor</td>
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<tr>
<td></td>
<td></td>
<td>session 1 OR maths diagnostic test</td>
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<tr>
<td></td>
<td>10.30 – 12.00</td>
<td>Meet your DUGS, Senior Tutor, year tutors,</td>
<td>The welcome pack you collect on Monday will tell you which session you must attend (1 or 2)</td>
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<td></td>
<td><strong>Venue to be confirmed</strong></td>
<td>Employability &amp; Professional Skills Tutor</td>
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<td></td>
<td></td>
<td>session 2 OR maths diagnostic test</td>
<td></td>
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<td></td>
<td>12.00 onwards</td>
<td>Sports Trials</td>
<td>You are free from noon on Wednesday in order to attend any Sports trials that you wish</td>
</tr>
<tr>
<td>Thursday 6th Oct</td>
<td>9.30 – 10.30</td>
<td>General Safety Lecture 1</td>
<td>This is a compulsory part of your induction week – attendance will be monitored (The welcome pack you collect on Monday will tell you which session you must attend 1 or 2)</td>
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<td></td>
<td><strong>Pippard Lecture Theatre</strong></td>
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<tr>
<td></td>
<td>10.30 – 11.30</td>
<td>General Safety Lecture 2</td>
<td>This is a compulsory part of your induction week – attendance will be monitored (The welcome pack you collect on Monday will tell you which session you must attend 1 or 2)</td>
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<td></td>
<td><strong>Pippard Lecture Theatre</strong></td>
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<td></td>
<td>12.00 – 14.00</td>
<td>Lunch and University Research Opportunity Programme Poster Session (UROP)</td>
<td>Over lunch you will get the opportunity to see the types of undergraduate research opportunities available – the research you will see will be presented by the undergraduates who have completed the work.</td>
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<td></td>
<td><strong>Venue to be confirmed</strong></td>
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<td></td>
<td>14.00 – 14.45</td>
<td>Group A – Introduction to Blackboard VLE</td>
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<td></td>
<td><strong>Venues to be confirmed</strong></td>
<td>Group B – PPE collection</td>
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<td></td>
<td></td>
<td>Group C – Break</td>
<td></td>
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<tr>
<td></td>
<td>14.45 – 15.30</td>
<td>Group A – Break</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Venues to be confirmed</strong></td>
<td>Group B - Introduction to Blackboard VLE</td>
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<tr>
<td></td>
<td></td>
<td>Group C – PPE collection</td>
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<tr>
<td></td>
<td>15.30 – 16.15</td>
<td>Group A – PPE collection</td>
<td></td>
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<tr>
<td></td>
<td><strong>Venues to be confirmed</strong></td>
<td>Group B – Break</td>
<td></td>
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<td></td>
<td></td>
<td>Group C - Introduction to Blackboard VLE</td>
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<td></td>
<td>17.00—until late</td>
<td>ChemSoc Seminar and reception</td>
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<tr>
<td></td>
<td><strong>Venue to be confirmed</strong></td>
<td>given by the first British astronaut</td>
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<tr>
<td>Friday 7th Oct</td>
<td>10.30 – 13.00</td>
<td>Introduction to UG labs</td>
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<td></td>
<td><strong>Venue to be confirmed</strong></td>
<td>Python programming</td>
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<td></td>
<td></td>
<td>Measurement science</td>
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<td>Introduction to Synthesis</td>
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<td></td>
<td>14.00 – 15.00</td>
<td>Welcome Talk</td>
<td></td>
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<td></td>
<td><strong>Venue to be confirmed</strong></td>
<td>Head of Department: Prof. A Armstrong</td>
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<tr>
<td></td>
<td>15.00</td>
<td>Tea with your personal tutor</td>
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</tbody>
</table>
Welcome and congratulations! You have achieved something to be really proud of. My name is Rob Law and I am the Senior Tutor in the Department of Chemistry and a year 1 tutor. My role is to oversee the “pastoral” aspects of your undergraduate lives, here at Imperial. This means is everything that non-academic. Coming to University is a great change and our role is to help facilitate this transition and support you throughout your years at Imperial. We want you to succeed.

In your time at Imperial, however, some of you will encounter problems or difficulties caused by a wide variety of circumstances, many of which you’ll have no control over, this can include accidents, sudden illness, bereavements etc. If these circumstances affect your academic performance, you must tell us immediately.

If things go wrong, our role is to
a) direct or signpost you to the appropriate help
b) aid you through mitigation process for your coursework or examinations.

For example, if you miss an exam, to obtain mitigation, you will need to provide evidence (e.g. an appropriate doctor’s note or councillor’s letter) that states that you have been ill for that particular exam. Mitigation must be submitted for each and every occasion and cannot be continuous. To apply for mitigation or to get some help you’ll need to contact your Personal Tutor first and s/he will then instruct you about the relevant procedures. If there is a complex set of circumstances the Year Tutors will get involved. Your Year Tutors are Prof. Chris Braddock and me!, but please contact your Personal Tutor first.

Once you are in the Department we will explain more our support mechanisms but the diagram to the right shows that you have many people who will be available to support you.
Year Tutors

The role of the year tutor is to act as a deputy senior tutor for the year. They are highly regarded personal tutors with many years of experience and are able to support personal tutors in their duties. For year 1 this year the year tutors will be Prof. Chris Braddock as well as Dr. Rob Law, who is also our senior tutor. In the first instance you should always contact your personal tutor if you need advice or help. However, the year tutors and the DuGS! Are also available for further advice or help, please just ask!

INFO BITE Most staff operate an ‘Open Door Policy’, meaning that anyone is welcome to knock on their door and speak with them. Please note that this is only intended for brief meetings; if you need a longer timeslot, email them to arrange an appointment!

My name is Chris Braddock and I will be acting as one of your two ‘Year Tutors’. Let me offer my welcome to the Department to you also, and I look forward to meeting you all in due course. You can contact me on 'c.braddock@imperial.ac.uk'. Good luck with everything!
Welfare Officers
Doug Imrie is the RCSU Welfare Officer and Marissa Lewis is Deputy President (Welfare) for the Union. Both promote welfare and health and safety issues in the Union through campaigns, and act as feedback mechanisms to improving the College.

Wardens
The Wardening teams in halls are responsible for all hall residents. They ensure that the hall environment is conducive to study and organise activities like barbecues and theatre trips in London’s West End.

Chaplaincy
Based in Beit’s East Basement, the chaplains come from different Christian backgrounds and work with Hindu, Muslim, Jewish and Sikh chaplains in London. Their regular social events include retreats and speaker events.

Health
The Dentist and Health Centre are located on Princes Gardens and are open Mon-Fri 9-5 and 8-6 respectively during term time. You are highly encouraged to register with them as soon as possible.

Student Support Services
http://www.imperial.ac.uk/student-space/

Student Support Fund
The SSF is a fund to help all students who are going through financial difficulty. It’s primarily used to help those who have a change in financial circumstances after registering with College.

Equality
The Equality and Diversity Unit ensures that equality is built into the College’s policies and practices to eliminate discrimination, and builds collaborations with appropriate community groups and professionals.

Tutors
In addition to the Senior Tutor (Rob) and your personal tutor, (who will be assigned to you) you can also contact, your year tutors, (Chris or Rob) and College tutors, regardless of your course or department. Dr Simon Archer, Dr Mick Jones, Dr Lynda White & Mr. Colin Kerr, can be contacted regarding any aspect of pastoral care in College (college.tutors@imperial.ac.uk)

Careers
The Careers Service is found on Level 5 of Sherfield, and runs workshops and careers fairs throughout the year. They also provide one-to-one help with writing a CV and interview preparation.
Further Information for Students with Disabilities

Michael Bearpark is the Disability Liaison Officer for the Chemistry Department. For the past five years, he has been a central department contact for students and staff, liaising outside particularly with central support services and the college's medical centre and academic registry. As Disability Liaison Officer, Mike is here to help you arrange extra support within the Department that you may need.

For example, he can apply for special examination arrangements on your behalf with up-to-date documentation, or discuss adjustments for you in confidence with lab coordinators. This is usually done by arranging a meeting to review any previous special arrangements that you've had. The sooner you make contact the better - it doesn't matter whether you declared a condition when you applied. Anything you want to discuss is confidential.

Mike is also the person to approach during your time at Imperial if you think that you have an unrecognised condition that is affecting your studies, before making contact with the college's central disabilities service.

For further information, please visit the Chem Central module on Blackboard Learn, our Virtual learning Environment (VLE). It is probably best that you do this once you are at College, as we will teach you more about our VLE during Induction week and how to access it!

Best,

Prof. Mike Bearpark (m.bearpark@imperial.ac.uk)

Disabilities Officer
**Extra Time:**

Some students have had extra time allowances in their school exams at GCSE and/or A level. This is often for reasons such as dyslexia, or because of another learning difficulty. Please note that extra time in College examinations is not granted automatically because you have had extra time at school. The first exam in Year 1 is typically within the first few weeks after the Christmas holidays so it is important to apply as early as possible.

Special exam arrangements are made by the Registry following a request from the DDO; contact him to start your application. Note that applications should be made at least six weeks before your first exam.

To apply, a Full Diagnostic Assessment is required and this must have been undertaken by either a Chartered Psychologist or a Specialist Teacher holding a current Practising Certificate in SpLD. The report must have been completed after the applicant was sixteen years of age and be no more than ten years old. Many students arrive at College with doctor’s reports that are too old or which have not been carried out by an appropriately qualified person. If the report does not meet the criteria, then a new assessment is required. This is normally done with the assistance of the College Disabilities Officer (Mary Bown) but this will take time so it is important to start the process as early as possible.

If you wish to discuss your disability or supporting documentation, you can email Mary to arrange an appointment.

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**When You Arrive**
URL: [http://www.imperial.ac.uk/disability-advisory-service/](http://www.imperial.ac.uk/disability-advisory-service/)

There are two ports-of-call that you should make contact with as soon as possible — the Disabilities Advisory Service (DAS) and the Departmental Disability Officer (DDO). The DAS offers confidential advice and support to ensure that you can study successfully, from helping to arrange longer library loans to giving advice on the funding options available for disability-related support. The DDO (Prof. Mike Bearpark) will facilitate your support within the Department, including applying for reasonable adjustments for your disabilities.

**INFO BITE** Mary Bown, the College Disabilities Officer, has an office on Level 5 of the Sherfield building, the main administrative building on the South Kensington campus. Contact her by email at disabilities@imperial.ac.uk

**Disclosing a Disability**
URL: [http://www.imperial.ac.uk/disability-advisory-service/current-students/confidentiality/](http://www.imperial.ac.uk/disability-advisory-service/current-students/confidentiality/)

If you have a learning difficulty or enduring health condition, you should inform the College so that reasonable adjustments can be made so that barriers to studying are reduced.

You can choose to disclose a disability at any point on your course but the sooner you do it, the sooner adjustments can be put in place to help you ensure that you achieve the same academic potential as other students.
Further information for International Students

URL: http://www.imperial.ac.uk/study/international-students/

Email: international@imperial.ac.uk

Orientation

URL: https://www.joomag.com/magazine/arrival-guide/0069364001470834439?short

The international office has created a short arrival guide which will help you orientate during your first few weeks at Imperial College. There is also a great website for new international students with lots of information about services available to help get the most out of your time at Imperial.

http://www.imperial.ac.uk/students/new-students/international-students/

Travelling to Imperial

Public transport links in London are very convenient, and there are several ways you could get to the Imperial campus.

Train

There are regular trains from Stansted, Gatwick, and Luton airports into Liverpool Street, Victoria and St Pancras Stations respectively, and the wait between trains is usually 15-30 minutes.

Tube

URL: https://tfl.gov.uk/

The South Kensington campus is on the Circle, District and Piccadilly lines. Liverpool Street and Victoria are both on the Circle line and St Pancras and Heathrow are both on the Piccadilly line, which means that there is a direct line from the airports to Imperial — a good thing when you have lots of bags!

Taxi

If you feel that you have more bags than you can handle, you may prefer to book a taxi: https://tfl.gov.uk/modes/taxis-and-minicabs/. It will be more expensive than public transport.

INFO BITE You can get an Oyster card (stored-value travel card) from the information booth at any tube station for a £5 deposit. Using your Oyster is the cheapest way to travel by tube, bus or tram, and is a must-have for London living.

Photo credit to Spencer Holtaway
General Information

Campus Facilities

Library
URL: http://www.imperial.ac.uk/admin-services/library/

The Central Library is open 24/7 except for maintenance on Friday nights. Each of its five floors has a designated noise level to help everyone find their best working space, with an extensive catalogue of material that supports taught courses as well as research. Some students may prefer to work in groups, so group study rooms are also available.

Ethos—sport facilities
URL: http://www.imperial.ac.uk/ethos/

During the 2012 Olympics, the Japanese and Swiss teams used our facilities, which range from a gym and pool to badminton courts and a climbing wall. The four-storey sports centre on Prince’s Gardens also offers fitness classes and therapy sessions. Students have free use of the gym and pool and discounted fees when booking courts.

Catering outlets
URL: http://www.imperial.ac.uk/food-and-drink/

Working brains need food. Commercial Services has a range of eateries around South Kensington from cafés (including one in Chemistry!) to a bar/restaurant in Eastside halls of residence. A wide variety of food and drink is available, from sushi and vitamin water to jacket potatoes to pies and salad. You can also get the student price for food — just flash your CID card for a discount!

Bursaries and Scholarships
URL: http://www.imperial.ac.uk/fees-and-funding/
URL: http://www.imperial.ac.uk/study/ug/fees-and-funding/bursaries-and-scholarships/

Some students may be eligible for financial aid in the form of a bursary, which are typically means-based. Scholarships are also available to home and international students, and more information can be found through the links above.

INFO BITE Make an electronic signature for your email account, which includes your CID number, year and degree programme. That way, the recipient knows exactly who they are addressing.

Student Hub
URL: http://www.imperial.ac.uk/student-hub/
Email: student.hub@imperial.ac.uk

The Student Hub (Level 3, Sherfield Building, South Kensington Campus) and is a comprehensive information service run by knowledgeable staff who can answer your questions about university services. During arrivals weekend, the Hub will be open between 9AM and 5PM to answer all queries and take payment of fees.

Your first encounter with the Hub will probably be paying your tuition fees. The different ways of submitting payment can be found here. Please note the hub will not be taking cash this year, so online payment is strongly encouraged.

The Hub can also provide important documents such as bank letters, transcripts and statements of attendance, which can be used as supporting evidence when opening a bank account or applying for travel visas. As the first weeks of term are some of the busiest, it is highly advisable to pre-order the documents you need. The Hub will be central throughout your degree, later providing information about finances, accommodation and even research opportunities.
Journals and Software

The Department has purchased membership for various journals so that you do not need to buy the individual papers in those publications. In College the journals will recognise your credentials but just use your Imperial credentials to log in (via Institution) at home. The Department also hold licences for commonly used software such as ChemBio 3D, ChemDraw, RefWorks and MatLab, and these programs can be downloaded onto your devices for use outside of College.

Useful Resources:

Previously, the Department has managed to secure a textbook pack that includes these three core textbooks at a discounted price (however, online bookstores meet these discounts). However, Imperial’s libraries stock around 20 copies and have a copy in the Core Textbooks section (cannot be borrowed) of each of these:

   Clayden et al

2. *Inorganic Chemistry 5th ed.*
   Atkins et al

   Atkins & de Paula

It would be valuable to use the extensive array of textbooks available in the library BEFORE purchasing any books as you might find other books you prefer.

In addition, there are modelling kits in the Student Services Centre which will be available for you to sign out.

STUDENTS SAY The textbooks are really useful but I haven’t used them enough to justify spending so much (over £150)! The library is very well equipped and it’s such a hassle to travel with books that are so large and heavy! If anything, you should consider buying an electronic version.

INFO BITE ChemSoc run a used book and modelling kit sale usually in week 3 of the autumn term and this is a good way to buy your textbooks.

To find out more visit www.imperial.ac.uk/chemistry
Mike is also the person to approach during your time at Imperial if you think that you have an unrecognised condition that is affecting your studies, before making contact with the college's central disabilities service.

For further information, please visit the Chem Central module on Blackboard Learn, our Virtual learning Environment (VLE). It is probably best that you do this once you are at College, as we will teach you more about our VLE during Induction week and how to access it!

Best,
Dr. Mike Bearpark
Disabilities Officer

To find out more visit www.imperial.ac.uk/chemistry
Frequently asked Questions—
Who do I go to help with.......?

With so many support services, it can be difficult to identify who best to consult, however the list below should help you to find help. In most cases, your personal tutor can help you identify support, but in other cases it is possible to find support directly yourself. Whilst your personal tutor is listed as the first person to discuss things with, you are of course free to discuss your needs with any staff member you feel most happy to do so.

Problem: Computer / IT issue (related to campus systems)
Who to approach: The ICT Helpdesk on Level 4 Sherfield can help with most issues. Their website is http://www.imperial.ac.uk/admin-services/ict/ - problems can be logged online.

Problem: Computer / IT issue (related to software)
Who to approach: Again, the ICT helpdesk should be able to help. You should log the support query via the website though to ensure the right person responds.

Problem: Language Support
Who to approach: Your personal tutor can help you identify any concerns with your language skills, and may refer you to the Centre for Academic English: http://www.imperial.ac.uk/academic-english You may also sign up to courses they run without referral from your personal tutor.

Problem: Disability Support
Who to approach: The Senior tutor, together with the Department Disability Officer (Prof. Michael Bearpark, m.bearpark@imperial.ac.uk), will help you to identify your support needs. This will involve the College Disability Advice service, which is led by Mary Bown (disabilities@imperial.ac.uk), and depending on your needs funding may be available.

Problem: Learning Difficulties
Who to approach: Your personal tutor may identify any issues you may have, but this will be referred to the Senior Tutor, (Dr. Rob Law, r.law@imperial.ac.uk) and the Department Disability Officer (Prof. Michael Bearpark, m.bearpark@imperial.ac.uk). We will then work with the College Disability Advice service to identify your needs and provide support where available.

Problem: Health issues interfering with studies (body or mind)
Who to approach: You should alert your Personal Tutor as soon as you can; this will be discussed with the Senior Tutor to help assess the likely impact on your studies. All students should make sure that they are registered with a Doctor either at the Campus Health Centre (if living in campus accommodation/in the catchment area) or near their home. Contact the Health Centre via: www.imperialcollegehealthcentre.co.uk/ and phone: 020 7584 6301. The Health Centre has triage clinics for urgent issues every weekday morning from 8:30 to 10. There is also a Dental Clinic on campus—call 020 75896623 for information.

Problem: Absence from college
Who to approach: If you are absent for one or two days, you can self-certify your absence. For three or more days you must inform your Personal Tutor, and for more than a week you must inform the Senior Tutor, (Dr. Rob Law, r.law@imperial.ac.uk). Where this interferes with assessment you must complete the appropriate Mitigating Circumstances form (see “Mitigating Circumstances”).
Frequently asked Questions—
Who do I go to help with.......?

Problem: Financial troubles
Who to approach: Your Personal Tutor can help you identify sources of funding and can direct you to Student Financial Support office, http://www.imperial.ac.uk/fees-and-funding/ for assistance. There are hardship grants and hardship loans available depending on your circumstances. The Senior Tutor can also help direct you appropriately, particularly if issues are severe.

Problem: Accommodation troubles
Who to approach: Your personal tutor can discuss issues with you to help you find avenues of support and refer you to the Accommodation Office. The Senior Tutor can also help identify the likely affect on your work.

Problem: Social troubles
Who to approach: Your Personal Tutor can discuss your concerns, as well as the Senior Tutor, and both can help you to find possible solutions.

Problem: Family troubles
Who to approach: Your Personal Tutor can discuss your concerns with you, as well as the Senior Tutor. If the issues are likely to interfere with your work, the Senior Tutor can help to identify possible routes of support.

Problem: Stress
Who to approach: Your Personal Tutor can discuss your concerns, as well as the Senior Tutor, and both can help you to find possible solutions. In some circumstances we may direct you to the Student Counselling Service for support, however we cannot make a referral to this – you must make your own appointment when you are ready to discuss with a counsellor. http://www.imperial.ac.uk/counselling/ contact them via email for appointments: counselling@imperial.ac.uk

Problem: Study skills (Exams, Lectures, writing reports)
Who to approach: Your Personal Tutor can help you identify your needs and can work with you to improve your study skills. They will make use of the Imperial Study Guide to help you identify how best to improve your study skills (http://www.imperial.ac.uk/students/success-guide/).

Problem: Course concerns
Who to approach: If there are any potential concerns with your course of study, be it content, difficulty or structure of deadlines and/or workload, the Director of Undergraduate Studies, Dr Bridge Duncombe, (b.duncombe@imperial.ac.uk) is happy to discuss the concerns with you. There are regular ‘focus group’ meetings (with lunch provided) to which you are encouraged to attend to discuss these issues, as well as your Student Reps and Departmental Representative, Max Moser (maximilian.moser13@imperial.ac.uk).

Problem: I need a reference...
Who to approach: Your Personal Tutor is your primary reference, so you should make sure that they know you well enough to write a reference for you. You should always ask them for a reference, and include an up-to-date CV together with the description of the position for which you are applying (preferably the advertisement). A secondary reference can be requested from the Senior Tutor or Director of Studies if necessary.
Finally and really just as a reminder.......if in doubt ask......we are here to help but can only do so if you let us know what you need help with!