Why Honours?

- An Honours degree takes you from being an undergraduate student to the research level.
- You are not yet a scientist without Honours.
- Honours graduates get more cash...
- Honours is an awesome year – just ask a current Honours student...
The Honours Year

One of the most accessible and rewarding ways to significantly increase and refine your skills base is to take an extra Honours year at the end of your Bachelor degree. The Honours year generally involves larger research projects which you will undertake under the auspices of a supervisor, most likely from your department.

This year can be very important, as many of the raw skills you developed throughout your degree will be refined and developed, and their relevance to the workplace therefore dramatically increased. In fact, many employers will now prefer or even stipulate that candidates have at least an Honours degree when recruiting.

Google this

Where have our Honours students gone?

- Further study (PhD/Postdocs)
- Lab tech
- Industry
- Teaching
- Medicine
- Dentistry
- Finance
- Public Service
- Management Consulting
- Scientific marketing and sales...

*Honours in chemistry is a very good general qualification*
Why Chemistry?

Chemistry

Medicine

Materials

Biology

Physics

- medicinal inorganic
- medicinal organic
- bio-coordination
- Chemical biology
- biophysical chemistry
- Polymers, colloids & surfaces
- photonics
- renewable energy
Why Chemistry?

Chemistry

Read the on-line Honours booklet!

Entry requirements

SCIWAM of 65

or

Average of 65 in 48 intermediate and senior units if just under 65 SCIWAM

And chemistry (or relevant) major
# If you don’t meet criteria for Honours

<table>
<thead>
<tr>
<th>Honours</th>
<th>Graduate Diploma</th>
<th>Master of Philosophy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Entry Requirements:</strong></td>
<td><strong>Pass Degree</strong></td>
<td>Credit average for relevant 3rd year subjects OR a prior Honours degree</td>
</tr>
<tr>
<td>(i) Chemistry Major OR major in a relevant discipline; (ii) SciWAM &gt; 65 OR 48 credit points’ of relevant 2nd and 3rd year subjects with an average &gt; 65</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Project Allocation:</strong></td>
<td><strong>Based on order of merit and your submitted preferences</strong></td>
<td><strong>Must be accepted by supervisor</strong></td>
</tr>
<tr>
<td><strong>Length:</strong></td>
<td><strong>2 semesters</strong></td>
<td><strong>2 semesters</strong></td>
</tr>
<tr>
<td><strong>Assessment:</strong></td>
<td><strong>10% coursework; 30% research mark; 20% seminar; 40% thesis (ie 90% research!)</strong></td>
<td><strong>As per Honours</strong></td>
</tr>
<tr>
<td><strong>Results:</strong></td>
<td><strong>H1 (Medal), H1, H2:1, H2:2, H3, Fail</strong></td>
<td><strong>Pass/Fail, with an equivalent Honours mark</strong></td>
</tr>
<tr>
<td><strong>HECS:</strong></td>
<td><strong>Yes, but scholarships available</strong></td>
<td><strong>Yes, FEE-HELP if eligible</strong></td>
</tr>
</tbody>
</table>
Rules and Regulations

Everything about Honours is on-line:


Honours Projects:

- Computational and theoretical chemistry
- Chemical education
- Molecular design and synthesis
- Materials chemistry
- Green chemistry and renewable energy
- Molecular spectroscopy and photonics
- Drug discovery and medicinal chemistry
- Supramolecular chemistry

Exit Requirements

You must:

1. Carry out a research project under the supervision of an academic member of staff.
2. Present a thesis describing the research.
3. Present a seminar describing the research.
5. Attend on average one research seminar per week during semester and all SUCS meetings.
Assessment

Research Work (30%)

Thesis (40%)

Coursework (10%)

Seminar (20%)

Note that current University Honours Mark Descriptors are followed in the award of all marks.

Also note: Research = 90% and Coursework = 10%!
Research (30%)

This mark is awarded on the basis of the research carried out throughout the year and includes an assessment of your overall performance, as well as:

- Initiative
- Competence in experimental techniques
- Understanding of project fundamentals
- Diligence (including participation/attendance)
- Research aptitude and potential.

Final mark is determined by the Honours Board of Examiners at end of year. It does not depend on the success of your project.
Thesis (40%)

This mark is awarded on your written thesis describing the project you carried out throughout the year.

- Introduction (relevant literature, context, overall aims)
- Description of research
- Analysis of data, discussion of results, conclusions
- Style (grammar, spelling, use of correct terminology)
- Use and presentation of tables, figures, etc.
- References (using a form adopted by leading journals)

Final thesis mark is provided by typically 5 members of staff. Please follow the thesis guidelines (on the web)!

Deadline for thesis submission is very strict!!!
Seminar (20%)

You must present a seminar to the School at the end of your course.

- 30 minute seminar (20-25 min. talk + 5-10 min. questions)

Can use Powerpoint, o/head, or slides for your presentation. You are not awarded bonus marks (or penalised marks!) for the type of presentation you use.

Final seminar mark is based on overall presentation and ability to answer questions (marked by ~ 8 academic staff).
Coursework (10%)

**Semester 1:** Scientific Literature and how to Write Scientific Articles (5%)

**Semester 2:** How to Give a Scientific Presentation (5%)

These sessions are interactive/coaching sessions that are examined towards the middle of the relevant semester.

These are very useful, generic skills that will serve you well beyond your degree.
Honours Grades

Based on **University Guidelines**, which are used to assess each of the four assessment components. There is **no quota**.

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
<th>Mark Range</th>
<th>WAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1M</td>
<td>Honours Class I and Uni medal</td>
<td>90 – 100</td>
<td>80+</td>
</tr>
<tr>
<td>H1</td>
<td>Honours Class I</td>
<td>80 – 100</td>
<td></td>
</tr>
<tr>
<td>H21</td>
<td>Honours Class II (Division 1)</td>
<td>75 – 79</td>
<td></td>
</tr>
<tr>
<td>H22</td>
<td>Honours Class II (Division 2)</td>
<td>70 – 74</td>
<td></td>
</tr>
<tr>
<td>H3</td>
<td>Honours Class III</td>
<td>65 – 69</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Fail</td>
<td>&lt; 65</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>Absent Fail</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Employment

Chemistry Honours is a 9-5 job but...

Many students will work extra hours for living expenses so the hours can be flexible

We can provide you with 3h per week demonstrating in the first year labs @~$40 ph or so...
Application Process

2 step process:

1. You need to apply through Chemistry:
   

2. You need to apply through the Faculty:

   **Deadlines:**

   **S1 2017 start:** Wed 30 November 2016;
   **S2 2017 start:** TBC ~30 June 2017
Application Form for Honours in the School of Chemistry

Please note that an application for admission must also be submitted to the Faculty of Science Office (http://sydney.edu.au/science/fstudent/undergrad/course/honours/index.shtml). If you are a University of Sydney student enrolled in another faculty (e.g. Faculty of Arts), please contact your faculty office for application instructions.

International applicants must also apply for admission through the International Student Office (http://sydney.edu.au/internationaloffice/).

*Required

Personal Details

Title *

Mr

Family Name *


Given Names *


Student ID Number
(Current University of Sydney students only.)


Residency Status *

Australian Citizen
Application Form for Honours in the School of Chemistry

Contact Details

Email *

Phone *

Street Address 1 *

Street Address 2

Suburb *

State *

Postcode *

Country *

- Australia

- Other:  
Application Form for Honours in the School of Chemistry

Admission Details

I wish to apply for admission to *
- Honours
- Graduate Diploma in Science

I wish to apply for admission in *
- Semester 1, 2015

Supervisor Preferences

Please nominate four project supervisors. You must provide four names - if it is a joint project, please provide the name of the joint supervisor.

Please only apply for a given supervisor or supervisor combination once.

Preference 1

Supervisor 1 *
- select one -

If Joint Project, please name joint supervisor:

Preference 2

Supervisor 2 *
- select one -

If Joint Project, please name joint supervisor:
ApplicaPon	Process

You then need to apply through the Science Faculty:


Deadlines:

S1 2017 start: Wed 30 November 2016;
S2 2017 start: TBC 30 June 2017
Faculty of Science Application

Students should first express interest to their intended School(s)/Discipline(s).

- Meredith Jordan (Hons Coordinator), Girish Lakhwani (Deputy), Academic Staff (as Prospective Supervisors)
- Chemistry Application Process:

Students will be required to provide evidence that they have communicated with their school as part of their Faculty of Science Honours application.

- A Chemistry provisional offer letter OR an email from Meredith or Girish OR an email from your Prospective Supervisor
Faculty of Science Application

Once students have made an expression of interest to Chemistry they should make an application to the Faculty of Science.

- Applications **MUST** be made online through the University website: [http://sydney.edu.au](http://sydney.edu.au)

**Note:** The honours degree students apply for is directly related to their undergraduate degree...
Eg a student who completed a Bachelor of Science (Advanced Mathematics) (LH000(09)) will need to apply for Bachelor of Science (Advanced Mathematics) Honours (LH040(09)) even if they are intending on completing Honours in an area outside Mathematics.

- So **CHOOSE** the relevant degree
Documentation Requirements

All Applications require the following to be uploaded:

- Proof of contact with the relevant School/Discipline for each Honours preference area listed in the Honours application.
- If undertaking joint or double Honours, proof of contact will be required for both Honours areas. A second or third preference will not be assessed if proof of contact is not provided.

External Applicants also need to upload:

- An Official or Certified copy of a Transcript
- Proof of Identity and Citizenship Status

NB: All documents must be certified prior to being uploaded.
Documentation Examples

Proof of Contact:

Documentation can include but is not limited to:

- Email correspondence with an Honours Co-ordinator (Meredith or Girish) OR a Prospective Supervisor
- Your provisional letter of offer for Honours in Chemistry
Documentation Examples

Identity/Residency Documentation can include:

- Passport
- Birth Certificate
- Citizenship Certificate
- Visa Details

NB: The Faculty of Science reserves the right to request Originals of any uploaded documentation.
Online Faculty Application Process Walkthrough

Follow the links from the Chemistry Hons page...
External International students must apply through the [International Office](#).

**STEP 2**

All applicants must apply directly to the School of Chemistry by submitting the School of Chemistry Honours [Online Application Form](#).

- **Local and International students:**
  

- Commencement and completion dates for 2016 can be found [here](#).

The School of Chemistry Honours online application form requires applicants to nominate preferences for supervision. When deciding on their preferences, applicants should not only refer to the information in this website, but make an effort to talk to a number of staff members about possible honours projects. Each member of the chemistry staff has selected a number of projects. These projects are intended to be examples of current research work. Most members of staff have other interesting projects available and in many cases it is possible to design a project which caters for a student’s particular interests. We encourage intending honours applicants to contact potential supervisors in October. Intending applicants should phone or email the staff members in whom they’re interested to arrange an appointment to discuss possible projects.

For those students thinking of continuing, after Honours, with a higher degree such as an MSc or a PhD you should keep in mind that there is a limit on the number of higher degree students that a staff member can supervise based on the level of experience of the current students in a group and what other support is available. This limit is to ensure that there is sufficient supervision for all Chemistry graduate students.

While students are strongly encouraged to undertake an Honours year in the project that they find most engaging, we mention this limit at this point just in case it of interest for individuals. If this is the case, we encourage you to discuss this issue with the staff members with whom you are considering doing Honours or with the Honours Coordinator.

While every effort will be made to accommodate your first preference of supervisor, please note that allocation of honours and postgraduate students to individual research groups depends on space, resources and supervisor availability. Hence it is essential that you include FOUR preferences on your application form. In mid-December, you will be informed of the outcome of your application and, if successful, will be notified of your supervisor’s name and contact details.

[Application form for the School of Chemistry](#)
HOW TO APPLY

Enrolments beginning Semester 1, 2017

STEP 1

Local students

ALL applicants (including those currently enrolled in the final year of a degree at this University) must apply to the University of Sydney. The exact procedure varies depending on the citizenship of the applicant.

Local students (citizens or permanent residents of Australia and citizens of New Zealand) must apply through the Faculty of Science. More information on how to apply visit the Faculty of Science.

The only exceptions to this are students who have completed undergraduate degrees at the University of Sydney via faculties other than science (e.g. students who have completed liberal studies, or combined degrees). Such students should consult their faculty regarding correct application procedures.

Applicants should note that the online Faculty application form does not need to be signed by a
How do I apply?

Domestic students (internal and external)
International students (internal)
International students (external)

Click

Domestic students - internal (currently enrolled) and external
Domestic students please note: As deferment of honours is not possible, you must apply in the semester prior to commencement.

Students applying for Honours will need to use the resources on this page to follow these steps:

1. Fulfill any requirements of the school or department prior to lodging an application at the Faculty. This might include matching projects and available supervisors with students.
2. If you are applying for Honours in more than one area, then list your areas in order of preference on the application form. You will need to repeat step 2 for each area you are applying to. Please list the discipline area (e.g. Biology, Cell Pathology) as appears on the coordinator contact list, or your application may not be considered.
3. Submit a completed online application form including relevant documentation by the due date (you will need to find your honours course among the list of courses, then click Apply Now).
4. If you are intending to enrol part-time and the Discipline supports this please place some correspondence with the School supporting this request or alternatively email the Faculty of Science.

Note: Most Schools and Disciplines also have their own separate application forms which must be completed and submitted directly to that School or Discipline. This is not a substitute for the online application to the Faculty of Science and applicants to these Schools must ensure they submit an online application as described on this page. If you do not lodge an online application form, you may not be considered. If you do not lodge an expression of interest in a School or Discipline that requires this step, you may miss out on a project or supervisor.

External international students
If possible, you should contact the relevant form that you have secured an academic position before applying.

7. APPLICATION FORMS

Applications must be lodged online at:
Undergraduate courses

Bachelor of Applied Science (Exercise and Sport Science) and Master of Nutrition and Dietetics
Bachelor of Commerce and Bachelor of Science
Bachelor of Education (Secondary Education: Mathematics) and Bachelor of Science
Bachelor of Engineering and Bachelor of Science
Bachelor of Information Technology and Bachelor of Medical Science
Bachelor of Information Technology and Bachelor of Science
Bachelor of Liberal Arts and Science
Bachelor of Liberal Arts and Science (Honours)
Bachelor of Medical Science
Bachelor of Medical Science and Bachelor of Medicine and Bachelor of Surgery
Bachelor of Medical Science (Honours)
Bachelor of Psychology
Bachelor of Psychology (Honours)
Bachelor of Science
Bachelor of Science (Advanced)
Bachelor of Science (Advanced) and Bachelor of Medicine and Bachelor of Surgery
Bachelor of Science (Advanced) (Honours)
Bachelor of Science (Advanced Mathematics)
Bachelor of Science (Advanced Mathematics) (Honours)
Bachelor of Science and Bachelor of Arts
Bachelor of Science and Bachelor of Laws
Bachelor of Science and Master of Nursing
Bachelor of Science and Master of Nutrition and Dietetics
Bachelor of Science (Honours)
Bachelor of Science in Agriculture
Science Undergraduate Cross-Institutional
Science Undergraduate Non-Degree

Choose the relevant Honours degree (External applicants must select Bachelor of Science (Honours))

Click on “online application form”
BACHELOR OF SCIENCE (HONOURS)

The information on this page applies to future students. Current students should refer to their faculty handbooks for course information.

The honours year in science is a widely recognised and highly regarded additional year of undergraduate study available to you after you complete your undergraduate course. It’s a unique opportunity for you to explore your research potential and put the theory from your undergraduate studies into practice. An honours qualification in science is not only well regarded in academia, but also in industry where laboratory experience and a command of scientific thought processes are highly sought after.

Honours can be undertaken in any area of science, and involves designing a research program in your chosen area of interest in consultation with one or more supervisors. Your research program may include components in more than one area of science (e.g., physiology and biology) and depending on the nature of your project you may also have to undertake some courses in experimental design or complete technical training to use a particular piece of equipment.

Further information about honours in the Faculty of Science

- Honours subject areas
- Further course information
- Admission

Select Apply Now

Application requirements and other important information can be found here
Select **Apply** under the appropriate citizenship category.
COURSE CHOICE:
1. Bachelor of Science (Honours)

APPLY ONLINE TO THE UNIVERSITY OF SYDNEY

Welcome to the online application portal of the University of Sydney.

If you have not used this portal before, please register as a NEW APPLICANT.

If you have already registered with the portal and have an Applicant ID, (eg IPU123456789), please click I HAVE AN APPLICANT ID. You will be able to start a new application or continue an existing one.

This portal requires that both JavaScript and cookies are enabled in your web browser. If you experience issues, please check your browser settings.

The personal information that you supply in this application form will only be used to process your application and enrolment. The University will not disclose personal information concerning you, including your email address, to parties outside the University except in accordance with the University of Sydney Privacy Statement.

Select appropriate button
Create new applicant ID if applying for the first time
Select Proceed after reading through the information.
All applicants should read information about what documents can be uploaded. **Uploaded documents need to be certified.**

**DOCUMENT UPLOAD**

Please upload scanned copies of relevant documents to support your application. All successful applicants must present original documents for examination, if required. You only need to provide academic transcripts or testimonials for courses completed at educational institutions other than the University of Sydney. The size limit for files to upload is 10MB. Acceptable file types include: AVI, BMP, DOC, DOCX, GIF, JFF, JPEG, JPG, PDF, PNG, PS, RTF, TIFF, XLS, XLSX and ZIP. Please name the files appropriately to reflect the document you are uploading.

If you are a domestic applicant contact the Direct Applications Office for assistance.

If you are an international applicant visit the future international students enquiries page.

**Document description**

- Proof of your identity and residency status, such as your passport photo page, birth certificate, citizenship certificate and visa details.
- Evidence of your work experience, if relevant, such as a curriculum vitae.
- A marriage certificate or other documentation to verify your name change.
- Proof of your identity, such as your birth certificate or passport photo page. You must provide your passport photo page if you are an international applicant.
- Proof of your residency status, such as a citizenship certificate and/or visa details.
- Proof of your application for permanent residency, if relevant.
- A full official transcript of your academic records for each course attempted.
- Proof of completion of any previous secondary or tertiary qualification(s).
- Information about academic awards or prizes you have received.
- Evidence of satisfying the University’s English language requirement, such as valid IELTS or TOEFL test results.
All applicants upload evidence of correspondence with school here.

External Applicants upload transcript and citizenship evidence here.
All applicants must select at least one Honours subject preference area.
Applicants provide personal information.
Applicants provide Scholarship information
Applicants provide information on their qualifications and academic history.
Application is lodged once the **Submit** button is pressed.
Faculty of Science Office:

- Phone: +61 2 9351 3021
- Email: science.information@sydney.edu.au
- Address: Rm No. 207 Carslaw Building, F07
  The University of Sydney, NSW, 2006

Science Faculty counter hours are:
- 10am-4pm Mon-Thurs and
- 10am-1pm on Friday.
Honours Scholarships:

University-based scholarships $6000 +

Walter J Moore Honours Scholarships in Chemistry to students of a high academic standard, ~$1200.

University Honours Scholarship Applications will open in November and I will email all Chemistry Honours applicants.

The closing date will likely be 6th January, same date for both.
Beers and Posters

WEDNESDAY
12 OCTOBER 2016

FROM 4:00 – 6:00 PM
Lecture Theatre Foyer
OUTSIDE LT1 & LT2

DRINKS AND PIZZA PROVIDED
People:

A/Prof Meredith Jordan (Honours Coordinator)
Room 544
Phone: 9351 4420
Email: meredith.jordan@sydney.edu.au

Dr Girish Lakhwani (Deputy Honours Coordinator)
Room 358
Phone: 9351 5783
Email: girish.lakhwani@sydney.edu.au

Suzanne Kania (Chemistry Student Administration Manager)
Front Office
Phone: 9351 8599
Email: chemistry.studentmanager@sydney.edu.au
Lunch