

Why Honours?

- **Exposure to advanced coursework and research**
 - Preparation for postgraduate study
 - Certification of excellence in Mathematics & Statistics
 - A taste of cutting edge research, a glimpse of the edge of knowledge
- **Develop valuable skills coveted by employers**
 - Research skills
 - Technical writing and oral presentation skills
 - Focus, perseverance, and creativity

Some past honours students



Anthony Morris

Pure Mathematics 2012

Now a software engineer at Google



Anna McGann

Applied Mathematics 2015

Now doing PhD research in
biomathematics at UNSW



Tony Vo

Statistics 2014

Now a Business Intelligence Officer at
Suncorp Group

See here for more past Honours students: <https://www.maths.unsw.edu.au/currentstudents/past-honours-students>

Admission requirements

- Average above 70% in **Level III Mathematics courses**
- Average above 70% in **Core Level III Mathematics courses**
 - **Pure Mathematics:**
 - Higher Analysis, Higher Differential Geometry and Topology, Higher Algebra
 - **Applied Mathematics / Physical Oceanography:**
 - Three Level III courses depending on your chosen field (consult Coordinator)
 - **Statistics:**
 - Core courses of the Statistics major
 - **Quantitative Data Science:**
 - Three Level III courses in Mathematics / Statistics *plus*
 - Two Level III Computer Science/Business electives of Data Science and Decisions



The Honours Year

- **The Honours year...**
 - the final year of the Advanced Science/Advanced Mathematics degree
 - *or* an additional year at the end of your non-Honours Bachelor degree
- You enrol in **MATH4001** (Honours Thesis) plus **5 approved courses**
 - **Coursework:** 30 Units of Credit (5 courses)
 - **Project/Thesis:** 18 Units of Credit
- There is also a weekly honours seminar

Honours coursework

- Enrol in a full year of courses at the start of your Honours year
- You must seek approval from your Honours coordinator prior to enrolment
- Up to **one** course can be external:
 - Other schools at UNSW
 - Other mathematics schools
 - AMSI summer school, online courses on Advanced Collaborative Environment (ACE)
- Available courses will be posted on the Honours website

Course code	Description	Term 1	Term 2	Term 3
MATH5165	Optimization	MATH5165		
MATH5171	Linear and Discrete Optimization Modelling			MATH5171
MATH5285	Fluids, Oceans and Climate	MATH5285		

Honours Project

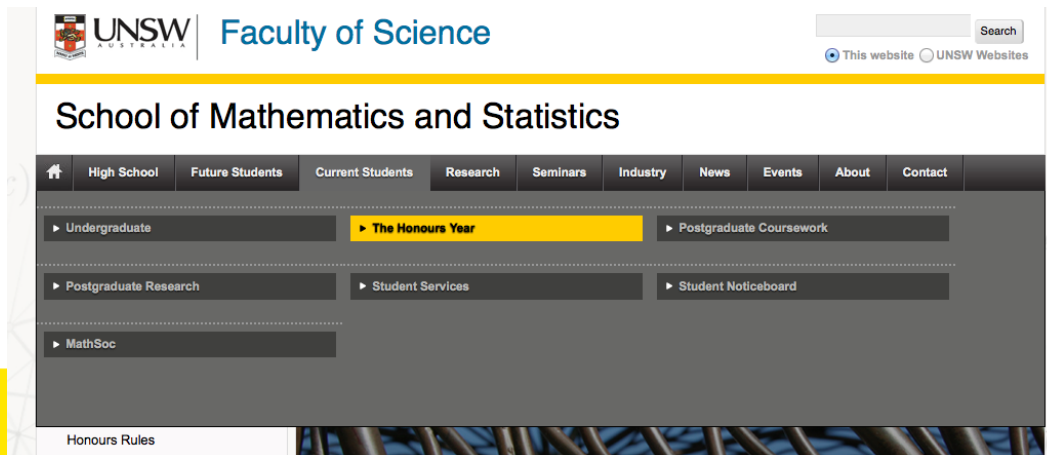
- Independent study under the supervision of a member of staff
 - 40-60 page thesis
 - 25-50 minute oral presentation
- Potential honours projects and supervisors are on the Honours webpage, but **you are responsible** for finding a supervisor and project
- Talk to as many people as you can, as early as you can before choosing. This should be organized **before** you start your Honours year!
- Your thesis will describe your project work and place your work in context with current research; any original project work is a bonus!

Next steps...

Step 1: Get clicking

Get familiar with **The Honours Year** section on the School website

www.maths.unsw.edu.au/currentstudents/honours-mathematics-and-statistics



Next steps...

Step 2: Start talking

Consult with the relevant Honours Coordinator to discuss your subjects

- **Pure:** Pinhas Grossman (p.grossman@unsw.edu.au)
- **Applied:** Chris Angstmann (c.angstmann@unsw.edu.au)
- **Statistics:** Libo Li (libo.li@unsw.edu.au)

You should also talk to potential supervisors **as soon as possible!**

Next steps...

Step 3: Submit online

Complete and submit the online **Intention to undertake honours form** to the Science Student Office (link on Honours website).

If you are in the BSc program or have graduated from another university, you *also* need to apply for the one-year degree Bachelor of Science (Honours) using UNSW's **Apply Online** system (link on Honours website).