CAREERS FOR SCIENCE & MATHEMATICS GRADUATES
Graduate Careers Australia, Results of 2013 AGS
Median annual salary = $52,450 (2013)
Most earn more than median annual salary

<table>
<thead>
<tr>
<th>Disciplines</th>
<th>Median Annual Salary (2013)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth sciences (environment)</td>
<td>$60,000</td>
</tr>
<tr>
<td>Physical sciences</td>
<td>$55,000</td>
</tr>
<tr>
<td>Biological sciences</td>
<td>$48,000</td>
</tr>
<tr>
<td>Mathematics</td>
<td>$55,000</td>
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</tbody>
</table>
## GRADUATE CAREERS

### HOW DOES SCIENCE/MATHS COMPARE?

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>$50K</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>Architecture &amp; Building</td>
<td>$49.2K</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>Computer Science</td>
<td>$53K</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>Economics, Business</td>
<td>$49K</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>Education</td>
<td>$57K</td>
<td>+</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Engineering</td>
<td>$64K</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Humanities</td>
<td>$45K</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Law</td>
<td>$55K</td>
<td>+</td>
<td>=</td>
<td>-</td>
<td>=</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>$50K</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>+</td>
</tr>
</tbody>
</table>

Graduate Careers Australia, results of 2013 AGS
A common misconception is that science graduates will only be able to go into research or lab work.

Science students are prized by many different industries for their analytical and problem solving skills.

**UTS Science Graduate Attributes**

- disciplinary knowledge and its appropriate application
- an enquiry-oriented approach
- professional skills and their appropriate application
- the ability to be a lifelong learner
- engagement with the needs of society
- communication skills
- initiative and innovative ability

[science.uts.edu.au](http://science.uts.edu.au)
GRADUATE PROGRAMS (SOME EXAMPLES…)

Government

> Department of Industry:

> Department of Environment and Primary Industries VIC:

> ANSTO

Industry

> BHP Billiton:
  http://www.bhpbilliton.com/home/people/graduates/Pages/default.aspx

Finance


SCIENCE JOBS

• Researcher for Office of the Chief Scientist
• Science Communication – broadcaster, journalist, writers, tour guide
• Data analysis and modelling
• Intelligence – ASIO, AFP
• Defence Forces
• Teaching
• Marketing

SPROUTS – Working in Sci Com before they even graduate!

Lily Serna: a Maths Honours student and Logie nominee!

The Science of beauty for this biomedical science graduate
WHAT MAKES UTS SCIENCE STAND OUT?

1) PEOPLE+COURSES
- Lecturers are active researchers – bring real world issues into the classroom
- Lecturers engages with industry regularly

2) FACILITIES
- World class science facilities
- Our new purposed-built science building, open for first classes in February! Including the new Super Lab, one of only two in Australia
WHAT MAKES UTS SCIENCE STAND OUT?

3) RESEARCH INTENSIVE FACULTY
- Research is vital in science and to UTS Science
- UTS Science contributes over 40% of UTS total research
- Rated ‘**better than world standard**’ in recent Excellence in Research report.

4) ENVIRONMENT
- Inclusive environment, encourages collaboration and interactions between students and staff (academics and professional staff)

5) SUPPORT
- Good support for students to succeed in their studies, e.g. UPASS, Maths Study Centre

THE RESULT
Work-ready science and maths graduates with transferable skills that employers wants.
PATHWAYS INTO SCIENCE

• **Year 12 Bonus Scheme** – earn up to 5 additional bonus points for performance in subjects relevant to a course for which they have applied

• **Schools’ Recommendation Scheme** (*previously known as the Principals’ Recommendation Scheme*) - principals nominate up to four students experiencing financial hardship who have the potential to succeed at university

• **UTS: INSEARCH** – Offer UTS Foundation Studies and Diplomas which offer alternate entry into UTS

• **Work Experience** - Work experience can count towards an application.

• **Aptitude Assessment** - UTS Science believes some future students may have an aptitude for scientific study that is not reflected in their HSC results. The aptitude assessment is an opportunity for students to demonstrate their potential, and possibly secure an offer to study at UTS Science.

SCHOLARSHIPS

> **Science Dean's Scholarship** – Awarded for academic merit, must have ATAR of 99.5 or above, $10,000 once off (only 2 offered per year)

> **Science High Achievers Scholarship Program** – Awarded for academic merit, must have an ATAR of 95 of above, $2000 per year for 3 years

> **Science Indigenous Scholarship** – Open to students who identify as Aboriginal or Torres Strait Islander through UAC course application and are enrolled full time, $2000 per year for 3 years
**NEW COURSES – OFFERED FOR 2015**

<table>
<thead>
<tr>
<th>Offering in 2015</th>
<th>ATAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Advanced Science (Pre-Medicine)</td>
<td>95.00</td>
</tr>
<tr>
<td>Bachelor of Advanced Science (Advanced Materials)</td>
<td>95.00</td>
</tr>
<tr>
<td>Bachelor of Advanced Science (Environmental Biotechnology)</td>
<td>95.00</td>
</tr>
<tr>
<td>Bachelor of Advanced Science (Infection and Immunity)</td>
<td>93.00</td>
</tr>
<tr>
<td>Bachelor of Medicinal Chemistry</td>
<td>85.00</td>
</tr>
<tr>
<td>Bachelor of Biomedical Physics</td>
<td>90.00</td>
</tr>
</tbody>
</table>
UNDERGRADUATE
or Bachelor’s degree offered at UTS SCIENCE

Choice + Flexible

Bachelor of Science (BSc)
Example: Bachelor of Science major in Biomedical Science
- 9 majors to choose from and a flexible or no specific major.

Focus + Specific

Specialist Bachelor’s degrees
Example: Bachelor of Biomedical Science
- Focus on your specialisation from the beginning

Combined degrees
Example: Bachelor of Science, Bachelor of Business
- Combine Science with Business, International Studies, Law, Engineering

Broaden careers
Majors to choose from for the Bachelor of Science (BSc):

Foundation streams

- Life and Environmental Sciences

Majors

- Biomedical Science
- Medical Science
- Biotechnology
- Environmental Sciences

Mathematical Sciences

Majors

- Statistics
- Mathematics

Physical Sciences

Majors

- Applied Physics
- Nanotechnology
- Applied Chemistry
Specialist Bachelor’s Degree

- Bachelor of Environmental Biology
- Bachelor of Marine Biology
- Bachelor of Biotechnology
- Bachelor of Biomedical Science
- Bachelor of Medical Science
- Bachelor of Health Science in Traditional Chinese Medicine
- Bachelor of Forensic Science in Applied Chemistry
- Bachelor of Forensic Biology in Biomedical Sciences
- Bachelor of Mathematics and Finance
- Bachelor of Mathematics and Computing
COMBINED DEGREES

COMBINE SCIENCE WITH BUSINESS
  B Science, B Business
  B Medical Science, B Business
  B Biotechnology, B Business

COMBINE SCIENCE WITH INTERNATIONAL STUDIES
  B Science, B Arts in International Studies
  B Medical Science, B Arts in International Studies
  B Health Science in Traditional Chinese Medicine, B Arts in International Studies
  B Maths & Finance, B Arts in International Studies
  B Maths & Computing, B Arts in International Studies

COMBINE SCIENCE WITH ENGINEERING
  B Science, B Engineering
  B Medical Science, B Engineering
  B Biotechnology, B Engineering

COMBINE SCIENCE WITH LAW
  B Science, B Laws
  B Medical Science, B Laws

Specialist Bachelor’s degree @ UTS Science
BRIDGING COURSES

UTS doesn’t have prerequisites to enrol in any undergraduate course, but there is assumed knowledge.

If science students do not have the assumed knowledge they can make that up with one of our bridging courses

Offered in:

> Chemistry – 1 and 2
> Physics
> Mathematics – Algebra and Functions (free for UTS enrolled students)
> Mathematics – Introduction to Calculus (free for UTS enrolled students)
> Mathematics – Extension 1
MORE INFORMATION:

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Facebook: www.facebook.com/UTSScience

Twitter: @UTS_Science