

# UTS: SCIENCE

## AMENDMENTS TO SCIENCE UNDERGRADUATE COURSES GUIDE 2008

At UTS Science, our courses show how the basic sciences like biology, physics, chemistry and mathematics connect with the quest for new vaccines, new gene therapy treatments, more sensitive detection systems for environmental toxins and pathogens, and a host of exciting applications. We focus on designing courses that employer value and teach good science with useful real world skills.

In 2007, UTS Science has restructured its first year subject offerings to provide greater flexibility and choice, allowing students to delay their choice of major study until the end of first year.

As a result, a number of our degrees previously offered as individually named degrees have been incorporated as majors in the NEW Bachelor of Science (BSc) degree.

Students enrolling in the new BSc will choose one of three foundation (first year) streams (mathematical sciences, physical sciences or life and environmental sciences).

At the end of first year, you can choose the direction you wish to take, by choosing one of the majors that follow on from these foundation streams. You will then graduate with the named award specific to their Major (e.g. Bachelor of Science in Nanotechnology).

Students can also opt not to choose a specific major after the first year, but to choose a range of second and third year subjects to suit their interests. This flexibility enables students to focus on their career development in ways that match their interests while keeping their options open.

### WHAT THIS MEANS FOR YOU

The flexibility of the new BSc will allow you to discover and experience areas of study before committing yourself to an area of specialisation.

If you have already decided on a particular scientific career this degree will allow you to specialise and focus on your chosen discipline from day one. If you are still undecided, this course provides the flexibility to study a variety of subjects, thereby providing you with a broad scientific background.

Your degree will provide you with greater flexibility and improve the relevance of your studies to your career.

The UAC Guide contains correct and up-to-date information on all UTS Science courses.

More information, please email [science@uts.edu.au](mailto:science@uts.edu.au) or phone UTS Science office on 02 9514 1756

See overleaf for Science Undergraduate degrees' UAC codes and UTS Course codes offered in 2008.

The awards that you can graduate from the NEW BSc foundation streams are:

Bachelor of Science

#### **Mathematical Sciences Foundation stream**

Bachelor of Science in Statistics

Bachelor of Science in Mathematics

#### **Physical Sciences Foundation stream**

Bachelor of Science in Applied Physics

Bachelor of Science in Nanotechnology

Bachelor of Science in Applied Chemistry

#### **Life and Environmental Sciences Foundation stream**

Bachelor of Science in Marine Biology (also offered as a named degree)

Bachelor of Science in Environmental Forensics (also offered as a named degree)

Bachelor of Science in Environmental Biology

Bachelor of Science in Urban Ecology

Bachelor of Science in Biomedical Science (also offered as a named degree)

Bachelor of Science in Biotechnology (also offered as a named degree)

Bachelor of Science in Medical Science (also offered as a named degree)

### UTS HSC BONUS SCHEME

Although your UAI can be a good indicator of success in tertiary studies, we also know that other factors such as motivation, interest and ability in science or mathematics can strongly contribute to both performance in a science degree and success as a professional scientist.

Accordingly, we have introduced a scheme where bonus points are awarded to your UAI on the basis of high achievement in relevant science subjects taken in the HSC. This process is automatic and no application is required. All Science undergraduate degrees are considered for the UTS HSC Bonus Scheme except for Bachelor of Health Science in Traditional Chinese Medicine.

For more information visit [www.uts.edu.au/study/undergrad.html](http://www.uts.edu.au/study/undergrad.html)

### Science Undergraduate degrees' UAC codes and UTS Course codes offered for 2008

UAC codes	UTS Course codes	2007 UAI	Degree
607001	C10242	74.70	B Science (Flexible)
607003	C10242	(71.45)	B Science (Mathematics or Statistics)
607005	C10242	(72.45)	B Science (Applied Chemistry)
607007	C10242	(72.20)	B Science (Nanotechnology)
607009	C10242	(71.20)	B Science (Applied Physics)
607013	C10242	(71.45)	B Science (Urban Ecology)
607015	C10242	(74.70)	B Science (Biotechnology, Medical Science or Biomedical)
607011	C10242	(71.60)	B Science (Environmental Biology, Environmental Forensics or Marine Biology)
607020	C10244	86.55	Bachelor of Forensic Science in Applied Chemistry (replaced BSc Hons in Applied Chemistry-Forensic Science)
607025	C10174	87.95	Bachelor of Forensic Biology in Biomedical Science (renamed from BSc in Biomedical Science-Forensic Biology)
607030	C10227	71.50	B Science in Environmental Forensics
607035	C10228	72.50	B Science in Marine Biology
607040	C10115	81.55	Bachelor of Biomedical Science (renamed from BSc in Biomedical Science)
607045	C10172	73.10	Bachelor of Biotechnology
607050	C10184	84.15	Bachelor of Medical Science
607055	C10186	74.30	Bachelor of Health Science in Traditional Chinese Medicine
609040	C10155	80.95	Bachelor of Mathematics and Finance
609045	C10158	71.90	Bachelor of Mathematics and Computing

### Science Combined degrees

609060	C10126	97.30	Bachelor of Science* Bachelor of Law
609170	C10162	84.35	Bachelor of Science* Bachelor of Business
609250	C10243	74.10	Bachelor of Science* Bachelor of Arts in International Studies
609360	C10073	85.00	Bachelor of Engineering Bachelor of Science*
609065	C10131	97.00	Bachelor of Medical Science Bachelor of Law
609175	C10163	84.10	Bachelor of Medical Science Bachelor of Business
609176	C10169	85.90	Bachelor of Biotechnology Bachelor of Business
609370	C10075	85.00	Bachelor of Engineering Bachelor of Medical Science
609380	C10078	85.00	Bachelor of Engineering Bachelor of Biotechnology
609220	C10157	81.05	Bachelor of Mathematics and Finance Bachelor of Arts in International Studies
609225	C10224	74.00	Bachelor of Mathematics and Computing Bachelor of Arts in International Studies
609255	C10167	82.15	Bachelor of Medical Science Bachelor of Arts in International Studies
609257	C10168	72.85	Bachelor of Biotechnology Bachelor of Arts in International Studies

\* Bachelor of Science combined degrees contain majors in all of in the disciplines specified in the NEW BSc except URBAN ECOLOGY. (UAI) Indicates the UAI cut-offs are taken from individually named degrees that was offered up until 2007.