

Study Abroad and Exchange at UTS: Science

As a study abroad or exchange student, you may design a program of subjects from more than one faculty at UTS, provided you enrol in 24 credit points of full-time study.

Science subjects are 6 credit points each. In other faculties at UTS, however, subjects are offered at different credit point levels, so it's important to make sure that you satisfy the credit point requirements when choosing your subjects.

What can I study?

- ❖ Study abroad and exchange is available:
 - > February semester (Autumn, February – June) F
 - > July semester (Spring, July – November) J
- ❖ Some subjects have prerequisites:
 - > If you apply for a subject with a prerequisite, you will need to demonstrate that you have the prior skills and knowledge needed to undertake the subject
 - > Undergraduate study abroad students are not normally permitted to study postgraduate subjects
- ❖ For further details on subjects, including prerequisite knowledge, refer to the UTS Handbook at www.handbook.uts.edu.au.
- ❖ For availability of subjects, check the timetable at <http://timetable.uts.edu.au>. Many subjects are offered in one semester

For more information

UTS Science programs:

<http://www.science.uts.edu.au/>

UTS study abroad and exchange:

www.uts.edu.au/international/studyabroad

Tel: (+61 2) 9514 7915

Email: studyabroad.exchange@uts.edu.au

Undergraduate subjects

Subjects are listed below by Subject Number and Name.

The subjects listed below are either introductory or require relatively little prior background. However, many more advanced subjects are available in all areas to students who are specialising in these areas in their home university.

Key

- ❖ Information is ordered: Subject Number, Level, Name and Semester [February (F), July (J)]
- ❖ Level 1: Usually undertaken in first year (similar to 100 level, introductory level)
- ❖ Level 2: Usually undertaken in second year (similar to 200 level, prior knowledge is required)
- ❖ Level 3: Usually undertaken in third year (similar to 300 level, advanced level)
- ❖ Subjects marked with an *(asterisk) have pre-requisites. You must provide evidence that you have passed a subject equivalent to the UTS pre requisite at your home institution.

60001 1Principles of Scientific Practice F/J

Chemistry

- 65111** 1 Chemistry 1 F/J
- 65212** 1 Chemistry 2* J
- 65621** 1 Environmental Chemistry* J
- 65034** 1 Introduction to Forensic Science F
- 65242** 1 Principles of Forensic Science F/J
- 65342** 2 Crime Scene Investigation* F
- 65202** 2 Organic Chemistry 1* F
- 65307** 2 Physical Chemistry 1* F
- 65410** 2 Skills for the Professional Chemist* F

Physics and Advanced Materials

- 68041** 1 Physical Aspects of Nature F/J
- 68201** 1 Physics in Action* J
- 68101** 1 Foundations of Physics F
- 68070** 1 Introduction to Materials J
- 68075** 2 Nanomaterials* F
- 91140** 2 BioNanotechnology* J

Mathematical Sciences

- [35140](#) 1 Introduction to Quantitative Management F/J
- [37131](#) 1 Introduction to Linear Dynamical Systems F/J
- [37151](#) 1 Introduction to Data Analysis F/J
- [33130](#) 1 Mathematical Modelling 1 F/J
- [33190](#) 1 Mathematical Modelling for Science F
- [33116](#) 1 Statistical Design and Analysis F
- [35100](#) 1 Introduction to Sample Surveys* J
- [37132](#) 1 Introduction Mathematical Analysis and Modelling* J
- [37161](#) 1 Probability and Random Variables J
- [33230](#) 1 Mathematical Modelling 2* F/J
- [33290](#) 1 Statistics and Mathematics for Science* J

Medical and Molecular Biosciences

- [91161](#) 1 Cell Biology and Genetics F/J
- [91400](#) 1 Human Anatomy and Physiology J
- [91314](#) 2 General Microbiology* F
- [91703](#) 2 Physiological Systems* F
- [91320](#) 2 Metabolic Biochemistry* F
- [91500](#) 2 Histology* F
- [91239](#) 2 Human Pathophysiology* J
- [91132](#) 2 Molecular Biology 1* J
- [91326](#) 2 Analytical Biochemistry* J
- [91528](#) 1 Health and Homeostasis F/J
- [99641](#) 1 Point Location and Acupuncture Anatomy F
- [99665](#) 1 Chinese Medicine Foundations 1 F
- [99666](#) 1 Chinese Medicine Foundations 2* J
- [99567](#) 1 Introduction to Chinese Herbal Medicine* J

- [91107](#) 1 The Biosphere F
- [91123](#) 1 Biocomplexity J
- [91149](#) 2 Geological Processes* F
- [91110](#) 2 Experimental Design and Sampling* F
- [91116](#) 2 Wildlife Ecology** (\$240) F
- [91118](#) 2 Fisheries Resources** (\$150) F
- [91120](#) 2 GIS and Remote Sensing** F
- [91121](#) 2 Aquatic Ecology** F
- [91154](#) 2 Ecology** F
- [91309](#) 2 Biodiversity Conservation** F
- [91145](#) 2 Environmental Protection and Management** J
- [91159](#) 2 Environmental Forensics** J
- [91157](#) 2 Marine Communities** (\$200) J
- [91363](#) 2 Animal Behaviour and Physiology** J
- [91155](#) 2 Stream and Lake Assessment** (\$130) J
- [91126](#) 2 Coral Reef Ecosystems**## (\$1,000) J
- [91156](#) 2 Marine Productivity and Climate Change ## (\$1,000) J
- [91163](#) 2 Alpine and Lowland Ecology (Dec 2016)** (\$900) J
- [91371](#) 2 Forest and Mountain Ecology (July 2017)** (\$900) J



Environmental Science Subjects

Key

** Recommend knowledge of one year biological or general science

Some of the Environmental subjects are taught primarily by major intensive field trips.

= Offered as February intensive session

= Offered in July intensive session

Selected field trip subjects could be offered as 'stand alone' 6 cps February intensive session for interested groups of 10-24 students and included as one 6cps subject attached to a UTS Semester 1 (F) or Semester 2 (J) Study Abroad program of study

\$ Additional Excursion Costs

