

FURTHER STUDY

The School of Chemistry also offers programs of study leading to the Bachelor of Science with Honours, the Graduate Diploma of Science specialising in Chemistry, as well as research programs for higher degrees (Master of Science and Doctor of Philosophy).



ENTRY REQUIREMENTS

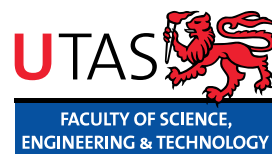
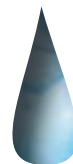
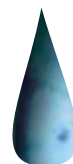
Minimum university entry requirements apply, including Chemistry CHM5C. A chemistry bridging unit is offered during the summer semester, semester 1 and semester 2.

FOR MORE INFORMATION

Full details of courses are published on the UTAS website www.utas.edu.au/courses

OR CONTACT

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School of Chemistry

CRICOS Provider Code: 00586B

The Faculty of Science, Engineering and Technology encourages applicants from all equity groups.

Chemistry



FACULTY OF SCIENCE, ENGINEERING & TECHNOLOGY



1986k January 2007

UNIVERSITY OF TASMANIA

DID YOU KNOW
that Tasmania is the largest
exporter in the world of codeine?



CHEMISTRY

Chemistry is the study of chemical and physical properties of substances and is a fundamental enabling science. At the University of Tasmania we have innovative teaching programs and a vigorous research program that covers most of the major areas, including analytical and industrial chemistry plus areas of biological chemistry.

The units available in the School of Chemistry provide training for students who are planning a career in chemistry and also for students requiring chemistry to support specialist studies in other disciplines.

CAREERS IN CHEMISTRY

Employment opportunities for professional chemists exist in industry and commerce, government agencies, research institutions, in private practice as analysts or consultants, and in teaching at secondary and tertiary levels.

WHAT MAKES US DISTINCTIVE?

The School of Chemistry's strengths lie in its active research programs covering most of the major areas of chemistry, in particular synthetic, analytical, computational, industrial, biological and environmental chemistry linked to Tasmanian industries.

The teaching program is particularly solid in the following areas:

- analytical chemistry
- environmental chemistry
- Antarctic and Southern Ocean chemistry and natural products
- biological and synthetic chemistry
- fundamental and applied chemistry
- computational chemistry

LOCATION

The School of Chemistry is located on the Hobart and Launceston campuses of the University of Tasmania. At Launceston students can elect to study first-year and second-year chemistry as part of the Bachelor of Science, and third-year chemistry as part of the Bachelor of Environmental Science.

ENVIRONMENTAL

- research into measurement of organic and inorganic contaminants in the environment
- techniques to clean up industrial and agricultural waste

RESEARCH

- research institutes
- CSIRO
- industrial research
- universities
- Antarctic and international research centres
- ANSTO

GOVERNMENT

- forensic science
- environmental monitoring
- health
- quarantine
- patents
- defence
- agriculture
- education

INDUSTRY

- mining
- metallurgical
- plastics
- bulk chemicals
- pharmaceutical
- oil and coal
- detergents
- manufacturing
- agriculture
- fisheries

YOUR
DEGREE
CAN LEAD
TO THESE
CAREERS

ENERGY SECTOR

- alternative energy
- liquid fuels
- electricity generation
- chemical engineering
- natural gas
- nuclear power

COMMERCE

- patent and intellectual property law
- marketing
- sales
- science writing

COURSE STRUCTURE

The following is a general guide to completing a Bachelor of Science with a chemistry major. Some of these units also form the core of the Bachelor of Environmental Science.

Year 1 (Hobart or Launceston)

Chemistry 1A (12.5%)
Chemistry 1B (12.5%)

Plus at least two (2 x 25%) core science subjects

Year 2 (Hobart or Launceston)

Choose from: Chemical Synthesis & Spectroscopy (12.5%), Inorganic Chemistry & Reaction Mechanisms (12.5%), Chemical Analysis (12.5%) and Environmental Chemistry (12.5%)

Plus second-year units, making a total of at least 75% core science subjects

Year 3 (Hobart)

The following units can be selected, depending on your requirements:

Natural Products and Bioprospecting (12.5%), Physical and Analytical Methods in Chemistry (12.5%), Organometallic Chemistry (12.5%), Structural Methods in Chemistry (12.5%), Organic Chemistry (12.5%), Separation Science and Related Techniques (12.5%), Chemistry Research Project (12.5%)

SCHOLARSHIPS

The University of Tasmania offers national undergraduate scholarships in chemistry as well as numerous industry-sponsored scholarships and bursaries. To find out more, visit the University's website www.utas.edu.au, email the Scholarships Office at Tas.Scholarships@utas.edu.au or talk to your careers adviser.

