

FURTHER STUDY

The School of Zoology has major research programs in areas of:

- marine and freshwater ecology
- biology of Antarctic marine mammals and seabirds
- reproductive biology of mammals and reptiles
- biogeography, taxonomy and evolution of fishes, crustaceans and molluscs
- environmental physiology
- conservation biology

The School offers research higher degrees (Master of Science or Doctor of Philosophy) to suitable candidates.



Photographic acknowledgements include C. Johnson, R. Mawbey and S. Talbot.

ENTRY REQUIREMENTS

There are no specific prerequisites to study first-year zoology, but minimum university entry requirements apply. Students may also enrol after successfully completing the life sciences bridging unit offered during the summer semester.

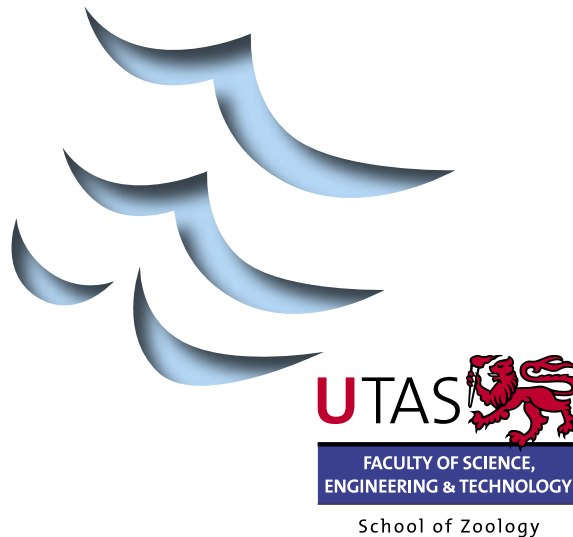
Students enrolling in the Marine, Freshwater & Antarctic Biology four-year honours program require Chemistry CHM5C and at least Mathematics - Applied MAP5C. Chemistry and mathematics bridging units are offered during the summer semester.

FOR MORE INFORMATION

Full details of courses are published annually in the University of Tasmania *Course and Unit Handbook*. Go to the University's website www.utas.edu.au/handbooks

OR CONTACT

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

Zoology



FACULTY OF SCIENCE, ENGINEERING & TECHNOLOGY



070th March 2006

DID YOU KNOW
that Tasmania has the world's
largest freshwater invertebrate?



ZOOLOGY

Zoology is the study of animal life – how animals are built, how they work, how they behave, their evolutionary relationships, how they interact with other animals, plants and organisms, and the physical environment.

Tasmania is an ideal location to study zoology. It offers special opportunities for zoologists due to its unique, rich and fascinating fauna, its biogeographical history and relatively easy access to pristine marine, freshwater and terrestrial habitats.

CAREERS IN ZOOLOGY

Zoologists have varying roles and their work can range from conducting environmental impact assessments, fauna conservation and ecotourism, to research and academic positions. A graduate in zoology can find employment in one of the government agencies responsible for managing primary industries and the environment:

- Parks and Wildlife Service
- Department of Primary Industries, Water & Environment
- CSIRO Marine Research
- Australian Antarctic Division
- Tasmanian Aquaculture and Fisheries Institute
- Forestry Tasmania
- Inland Fisheries Service

WHAT MAKES US DISTINCTIVE?

- We are close to wilderness areas, which act as a natural laboratory for our students.
- We are the only Australian university with alpine habitat on our doorstep.
- The School provides more opportunities for underwater research than any other Australian university.

LOCATION

The School of Zoology is located on the Hobart campus and has developed strong links with other agencies such as the CSIRO Marine Research, Tasmanian Aquaculture and Fisheries Institute (TAFI), Australian Antarctic Division, Tasmanian Parks and Wildlife Service, and the Inland Fisheries Service.

FACILITIES

The School has modern equipment for teaching and research, including: a molecular biology laboratory; computer laboratory; image analysis laboratory; microscopy facility; reverse daylight facility; animal compound for housing/ husbandry of mammals, reptiles and birds; a boat fleet; and an extensive range of equipment for underwater research.

COURSE CONTENT

The following is a general guide to completing a Bachelor of Science with a major in zoology:

Year 1

First-year zoology (25%) provides an introduction to the scientific study of animals. Practical exercises are an integral part of these units.

Plus two other (2 x 25%) core science subjects at first year level and 25% of elective units

Year 2

Second-year zoology units (25%) develop students' understanding of all the main areas of animal science.

The balance of second-year units should comprise at least 50% science units including a second science core subject (25%).

Year 3

To obtain a major in zoology, four (12.5% each) specialist units must be completed (it is possible to enrol in 100% if you wish).

The third-year units available are:

- Evolution, Ecology & Society
- Antarctic Ecology
- Evolutionary Biology & Biogeography
- Fisheries & Wildlife Management
- Freshwater Ecology
- Marine Ecology
- Quantitative Methods in Biology
- Reproduction & Endocrinology for Conservation
- Behavioural Ecology

Students who gain a good result in third-year zoology may proceed to a fourth (honours) year. During this year, students undertake a well-defined research project with supervision.

Many units in zoology have a strong practical and field component; the format can vary, involving independent learning activities and group participation.

SPECIALIST COURSES

The School of Zoology cooperates with other schools to offer two cross-discipline specialist courses – Marine, Freshwater & Antarctic Biology and Forest Ecology. Separate brochures are available outlining these courses in detail.

