

FURTHER STUDY

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

- behavioural and evolutionary ecology
- conservation biology and wildlife management
- comparative endocrinology and ecophysiology
- freshwater ecology

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

ENTRY REQUIREMENTS

There are no specific prerequisites to study first-year zoology, but minimum university entry requirements apply. Students who have not previously studied biology are advised to enrol in the Life Science Foundation Unit offered during the summer semester.

FOR MORE INFORMATION

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

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www.utas.edu.au/zoo

Other information related to university study such as application and admission, accommodation options, fees, services and facilities can be accessed at www.utas.edu.au/futurestudents, email course.info@utas.edu.au or phone 1300 363 864.

For international students, this information can be found at www.international.utas.edu.au, email Your.Study@utas.edu.au or phone +61 3 6324 3775.



FACULTY OF SCIENCE,
ENGINEERING & TECHNOLOGY

School of Zoology

CRICOS Provider Code: 00586B

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

Zoology



FACULTY OF SCIENCE, ENGINEERING & TECHNOLOGY



* International students should consult the international student website for course availability. www.international.utas.edu.au

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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 terrestrial, marine and freshwater habitats.

CAREERS IN ZOOLOGY

Zoologists find a range of career opportunities from conducting environmental impact assessments, fauna conservation and ecotourism, to teaching, research and academic positions. A graduate in zoology may find employment in one of the government agencies responsible for managing primary industries and the environment:

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

WHAT MAKES US DISTINCTIVE?

- We have access to more freshwater systems than any other Australian state.
- We are the only Australian university with alpine habitat on our doorstep (you can be at the top of a 1270-metre mountain in 20 minutes).
- We offer an unbeatable opportunity to learn about zoology by studying globally important fauna with top-class researchers.

- We are close to wilderness areas, which form natural laboratories for our students.
- We focus on 'whole animal' biology.
- Students have more opportunity for underwater research than at any other Australian university.

LOCATION

The School of Zoology is located on the Hobart campus and has strong links with other agencies such as the Department of Primary Industries, Parks, Water and Environment, and the Forest Practices Authority.

FACILITIES

The School's facilities for teaching and research include: a molecular biology laboratory; computer laboratory; microscopes; reverse daylight facility; animal compound for housing/ husbandry of mammals, reptiles and birds; and an extensive range of equipment for field research. We work both in the field and in the laboratory.

COURSE CONTENT

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

Year 1

Introductory-level units in zoology provide an introduction to the scientific study of animals. Practical exercises are an integral part of these units. Units include Biology of Animals (12.5%), Cell Biology, Genetics and Evolution (12.5%) and Ecology (12.5%).

Year 2

Intermediate-level units in zoology develop students' understanding of all the main areas of animal science. Core units are Animal Evolution and Ecology (12.5%) and Functional Biology of Animals (12.5%). Practical classes aim to develop

skills in observation, animal identification, data collection and analysis, oral and written communication, and an appreciation of the comparative approach to the study of animals and their adaptations. Electives are also available.

Year 3

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

The advanced-level units currently available are:

- Antarctic Ecology
- Behavioural and Evolutionary Ecology
- Conservation Biology and Wildlife Management
- Freshwater Ecology
- Marine Ecology
- Quantitative Methods in Biology
- Reproduction and Endocrinology for Conservation
- Zoology Research Project

Students who gain a good result in third-year zoology may continue on 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 projects.

SPECIALIST COURSES

The School of Zoology cooperates with other schools and the Institute for Marine and Antarctic Studies to offer cross-discipline specialist courses such as Marine Science and Antarctic Science.