

Fundamentals of Engineering Thermodynamics

With UNE's Bachelor of Animal Science you will graduate with knowledge and skills in the science-based fundamentals that underpin the relationships with and management of animals, plus acquire the practical experience to be on track for a rewarding career in rapidly changing animal-related industries. You will develop expertise in a specialist area through your major in livestock science or animal bioscience.

Enhance your science-based qualifications and future fit your career across a range of workplace contexts.

Why study the Bachelor of Animal Science with UNE?

UNE's three-year Bachelor of Animal Science will equip you with a holistic understanding of general and specialist animal science fundamentals including animal nutrition, physiology, genetics and human-animal interactions, then allow you to specialise in livestock science, or animal bioscience. You'll explore your chosen major in depth with an extensive range of minors to hone your specific focus.

Our major and minor streams enable you to develop the expertise needed for careers in the animal production, breeding and genetics, health and nutrition industries; in the management and conservation of wildlife and management of feral pest species; and in research to support animal industries.

Studying an animal science course at UNE offers you the opportunity to:

Anchor your theoretical and practical knowledge with 12-weeks of practical experience, focusing on real-world applications and workplace situations to improve your employability as a graduate.

Experience real-life animal management systems through our commercial and government partners.

Learn hands-on through our world class facilities including the Centre for Animal Research and Teaching. The Centre contains a significant number of state-of-the-art integrated animal housing and handling facilities with allied laboratories dedicated to research and teaching.

Access the latest technology and techniques at our innovative SMART Farms. With properties covering 3,655 hectares, including farms within minutes of campus, the UNE SMART Farms are diverse and valuable teaching and research resources that you will utilise during your course. The farms support a range of disciplines including natural and agricultural ecosystems, poultry, livestock and canine sciences, precision agriculture and zoology.

What makes our course different?

UNE's Bachelor of Animal Science offers you the opportunity to:

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Major in Livestock Science or Animal Bioscience, and complement your major by choosing from a range of minors that have been designed with feedback from industry and our students.

Learn from world-leading and ground-breaking researchers in animal behaviour, nutrition, sustainability, business, genetics, nutrition and physiology, research methods, sheep and wool and wildlife.

Participate in an international exchange program at one of our partner universities.

Study in class sizes that are small enough to provide great support from academic mentors, but large enough for peer-to-peer group work with other students.

Develop the technical skills and expert knowledge to work in animal science now and in the future.

Study flexibly either on campus, or online with short on campus experience in your own time. If you choose to study online, some units include mandatory intensive schools on campus, which give you the opportunity to interact and engage face-to-face with your peers and academic staff and gain essential practical skills.

Complete your course in three years (full time) or up to ten years (part time).

High achieving students in the Bachelor of Animal Science have the option of undertaking UNE's Bachelor of Science with Honours as a fourth year of study, where you will complete a research project and dissertation on a topic that interests you. Graduates who achieve the appropriate level of Honours are eligible to apply for a research master's degree or a Doctor of Philosophy (PhD).

Experience the only public university in Australia to be awarded the maximum 5 stars for Overall Excellence year after year.

Study on campus

Many of our Bachelor of Animal Science students choose to take advantage of the on-campus lifestyle in Armidale, in the beautiful New England region, with access to unparalleled support, accommodation in our residential colleges and

sporting facilities. These students are often starting their first degree and have left school recently. Through access to academic and career support they get a fantastic start to their careers.

Study online

Some of our Bachelor of Animal Science students choose to study online across three study periods with 24/7 tutor support* and fit study around work and family commitments. They bring valuable experience with them and form a community of adults juggling the same challenges and priorities. Bringing their life and work experience together at UNE, they study to become future-fit and better respond to a rapidly changing world.

* 24/7 tutor support includes: essay feedback (within 24 hours); live chat 24/7 for generic feedback on academic writing; and subject-specific help at a foundation or first-year level for subjects including mathematics, chemistry, biology, physics, business, accounting, microeconomics, macroeconomics and statistics. There are also a wide range of workshops, resources and courses available in academic skills support to assist you and help you to succeed.

Reference

[Transport Processes and Separation Process Principles \(International Series in the Physical and Chemical Engineering Sciences\)](#)

[Flight: The Complete History of Aviation \(DK Smithsonian\)](#)