



BRISBANE COLLEGE OF AUSTRALIA



Over 20 years of delivering quality
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ANIMAL SCIENCE COURSE INFORMATION PACK

Find out where our courses can take you today

ABOUT THIS COURSE

This qualification describes the skills and knowledge for entry level and support roles in the animal care and management industry, where workers provide care for animals in workplaces such as animal shelters, boarding/day care facilities, sanctuaries and veterinary clinics.

The course consists of 12 units of competency ranging from work in the animal care industry, complete animal care hygiene routines, feed and water animals, assist in health care of animals, participate in environmentally sustainable work practices, participate in workplace health and safety processes and apply communication skills.

CAREER AND STUDY PATHWAY

Successful completion of this qualification may lead to further study, such as the Certificate IV in Veterinary Nursing (ACM40418), that defines higher level job functions, or find employment within entry level and support roles in the animal care and management industry.

LEARNING OUTCOMES

Upon completion of this course, a Certificate II in Animal Care will be issued. Students will gain knowledge of a variety of animal care functions. Students may continue on to the Certificate IV in Veterinary Nursing and Diploma of Veterinary Nursing or work in the field.

PROGRAM STRUCTURE

All units of competency are to be taught separately due to the wide range of possible combinations available. This allows for students to choose units which do not overlap with other units they have chosen, or have already completed.

Forms of assessment may include: written tasks, multiple choice tests, projects/assignments/reports, feedback given and response, role plays and questioning/interview/discussion. This may vary per unit of competency.

Work placement of 24 hours is integrated into the Course structure. This ensures that those studying the Course are gaining industry experience and the opportunity to practice theory and learning outcomes.



ENTRY REQUIREMENTS

INTERNATIONAL STUDENTS

- IELTS score of 6.0 (or equivalent).
- High school certificate and copy of highest level of qualification.

DOMESTIC STUDENTS

- High school certificate (or equivalent) OR copy of highest level of qualification

COST AND DURATION

View our course fees and duration [here](#)

COURSE DELIVERY

Face to face - Brisbane City Campus
Correspondence/Distance Learning (Domestic Students and non student visa holders)

APPLY

Apply online [here](#)

Download the form and apply via email [here](#)

UNITS OF COMPETENCY

Students must complete 7 (seven) core units plus a further 5 (five) electives chosen from the list below. The units of competency that will be offered have been listed below.

CORE UNITS

- ACMGEN201** **Work in the animal care industry**
This unit of competency describes the skills and knowledge required to carry out animal care work, using ethical and humane practices and contributing to a productive work environment.
- ACMGEN202** **Complete animal care hygiene routines**
This unit describes the skills and knowledge required to communicate effectively with clients, colleagues, management and other industry providers.
- ACMGEN203** **Feed and water animals**
This unit of competency describes the skills and knowledge required to prepare, present and distribute food and water for animals according to animal dietary requirements.
- ACMGEN204** **Assist in health care of animals**
This unit of competency describes the skills and knowledge required to provide assistance to experienced staff in the handling and securing of animals for assessment and the preparation, application and documentation of health care treatments and first aid.
- ACMSUS201** **Participate in environmentally sustainable work practices**
This unit of competency describes the skills and knowledge required to measure current resource use effectively, and to carry out improvements, including those that will reduce the negative impacts of work practices on the environment.
- ACMWHS201** **Participate in workplace health and safety processes**
This unit of competency describes the skills and knowledge required to work safely and participate in work health and safety processes in an animal care environment.
- BSBCMM211** **Apply communication skills**
This unit describes the skills and knowledge required to apply basic communication skills in the workplace, including identifying, gathering and conveying information along with completing assigned written information.

ELECTIVE UNITS

- ACMBEH302** **Provide Enrichment for animals**
This unit of competency describes the skills and knowledge required to provide enrichment to stimulate, replenish and maintain appropriate behavioural patterns of all animals, including those housed short-term or long-term in an animal care facility.
- ACMGEN310** **Provide reception services for animal care facility**
This unit of competency describes the skills and knowledge required to undertake office reception and administration activities, including scheduling and basic financial tasks for an animal care facility.
- ACMVET202** **Carry out daily practice routines**
This unit of competency describes the skills and knowledge required to assist in providing treatments for patients (animals) on a daily basis, to maintain practice hygiene and assist with inventory and practice security.

ACMSPE316**Provide general care of domestic dogs**

This unit of competency describes the skills and knowledge required to identify dogs and their behavioural and physical needs, and provide daily care requirements.

ACMSPE317**Provide general care of domestic cats**

This unit of competency describes the skills and knowledge required to identify domestic cats and their behavioural and physical needs, and provide daily care requirements.

ACM30219 CERTIFICATE III IN ANIMAL TECHNOLOGY

ABOUT THIS COURSE

This qualification is aimed at new entrants to the Animal Technology industry. This qualification is the industry qualification for persons operating at a junior or assistant level and undertaking animal technology functions within a biomedical research or production environment. Work may include day-to-day support and assistance within a veterinary practice or animal technicians in animal science centres or providing help at animal centres.

The course consists of 13 units of competency ranging from work within an animal technology facility, provide enrichment for animals, feed and water animals, participate in workplace communications, provide basic care of rodents and rabbits, contribute to workplace health and safety processes, follow containment and exclusion procedures in animal facilities.

CAREER AND STUDY PATHWAY

Successful completion of this qualification may lead to further study, such as the Diploma of Animal Technology (ACM50119), that defines higher level job functions, or find employment within the animal technology field such as an animal technician, technical officer or field technician.

LEARNING OUTCOMES

Upon completion of this course, a Certificate III in Animal Technology will be issued. Students will gain knowledge of a variety of animal technology functions. Students may continue on to the Diploma of Animal Technology or gain a position as an animal technician, technical officer or field technician.

PROGRAM STRUCTURE

All units of competency are to be taught separately due to the wide range of possible combinations available. This allows for students to choose units which do not overlap with other units they have chosen, or have already completed.

Forms of assessment may include: written tasks, multiple choice tests, projects/assignments/reports, feedback given and response, role plays and questioning/interview/discussion. This may vary per unit of competency.

Work placement of 30 hours is integrated into the Course structure. This ensures that those studying the Course are gaining industry experience and the opportunity to practice theory and learning outcomes.

Australian
Qualifications
Framework



ENTRY REQUIREMENTS

INTERNATIONAL STUDENTS

- IELTS score of 6.0(or equivalent).
- High school certificate and copy of highest level of qualification.

DOMESTIC STUDENTS

- High school certificate (or equivalent) OR copy of highest level of qualification

COST AND DURATION

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UNITS OF COMPETENCY

Students must complete 9 (nine) core units plus a further 4 (four) electives chosen from the list below. The units of competency that will be offered have been listed below.

CORE UNITS

- ACMATE306** **Follow containment and exclusion procedures in animal facilities**
This unit of competency describes the skills and knowledge required to follow organisational containment and exclusion procedures that are designed to exclude pathogenic organisms from entering an aseptic site and to contain organisms in a particular site.
- ACMATE307** **Work within an animal technology facility**
This unit of competency describes the skills and knowledge required to work in an animal technology facility.
- ACMGAS202** **Participate in workplace communications**
This unit of competency describes the skills and knowledge required to participate in workplace communications in an animal care and management environment.
- ACMGAS204** **Feed and water animals**
This unit of competency describes the skills and knowledge required to prepare, present and distribute food and water for animals under supervision and according to animal dietary requirements.
- ACMGAS301** **Maintain and monitor animal health and wellbeing**
This unit of competency describes the skills and knowledge required to follow animal health management practices to monitor animal health via daily observations of behaviour and condition.
- ACMGAS302** **Provide enrichment for animals**
This unit of competency describes the skills and knowledge required to provide behavioural management and enrichment to stimulate, replenish and maintain appropriate behavioural patterns of animals.
- ACMGAS304** **Carry out simple breeding procedures**
This unit of competency describes the skills and knowledge required to plan mating and breeding, parturition or hatching and weaning of animals under supervision.
- ACMSPE312** **Provide basic care of rodents and rabbits**
This unit of competency describes the skills and knowledge required to identify rodents and rabbits and their behavioural and physical needs, and provide daily care requirements.
- ACMWHS301** **Contribute to workplace health and safety processes**
This unit of competency describes the skills and knowledge required to plan, support and contribute to work health and safety processes in an animal care environment.

ELECTIVE UNITS

Group A Electives

- MSL922001** **Record and present data**
This unit of competency covers the ability to record and store data, perform simple calculations of scientific quantities and present information in tables and graphs. The unit of competency requires personnel to solve predictable problems using clear information or known solutions. Where alternatives exist, they are limited or apparent.

MSL973016**Perform aseptic techniques**

This unit of competency describes the skills and knowledge to perform aseptic techniques to maintain the integrity of both the sample source and the sample. It applies to sampling techniques in tissue culture and to generic microbiological procedures.

Group B Electives**ACMSPE304****Provide basic care of domestic dogs**

This unit of competency describes the skills and knowledge required to identify dogs and their behavioural and physical needs, and provide daily care requirements.

ACMSPE305**Provide basic care of domestic cats**

This unit of competency describes the skills and knowledge required to identify domestic cats and their behavioural and physical needs, and provide daily care requirements.

ACM50119 DIPLOMA OF ANIMAL TECHNOLOGY

ABOUT THIS COURSE

This qualification is aimed at individuals aiming to operate at a senior technician or managerial level, undertaking animal technology functions within a biomedical research, teaching or production environment. It is ideally suited to people who wish to gain knowledge and theory in substantial depth. It is highly recommended that while undertaking this qualification, the learner should have access to an animal technology workplace through either paid employment or substantial periods of work placement or experience.

The course consists of 20 units of competency in areas such as working within an animal technology facility, prepare for and monitor anaesthesia in animals, conduct euthanasia of research animals, conduct non-surgical procedures on animals, manage compliance in animal technology, manage and maintain the health of research animals.

CAREER AND STUDY PATHWAY

After completing the Diploma of Animal Technology (ACM50119), students may gain employment as a facility manager, animal technician (senior), animal house supervisor or gain credit towards graduate level study to further advance their education at university.

LEARNING OUTCOMES

Upon completion of this course, a Diploma of Animal Technology will be issued. Students will gain a substantial knowledge and depth in a variety of animal science areas. Students may continue on to the Advanced Diploma of Leadership and Management or gain a position as a manager or animal house supervisor.

PROGRAM STRUCTURE

All units of competency are to be taught separately due to the wide range of possible combinations available. This allows for students to choose units which do not overlap with other units they have chosen, or have already completed.

Forms of assessment may include: written tasks, multiple choice tests, projects/assignments/reports, feedback given and response, role plays and questioning/interview/discussion. This may vary per unit of competency. Work placement of 100 hours is integrated into the Course structure. This ensures that those studying the Course are gaining industry experience and the opportunity to practice theory and learning outcomes.



ENTRY REQUIREMENTS

INTERNATIONAL STUDENTS
- IELTS score of 6.0 (or equivalent).
- High school certificate and copy of highest level of qualification.

DOMESTIC STUDENTS
- High school certificate (or equivalent) OR copy of highest level of qualification

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UNITS OF COMPETENCY

Students must complete the 15 (fifteen) core units plus a further 3 (three) electives from Group A and 2 (two) electives from Group B from the list below. Students who have completed any eligible units of competency may credit those units towards this qualification.

CORE UNITS

- ACMATE307 Work within an animal technology facility**
This unit of competency describes the skills and knowledge required to work in an animal technology facility.
- ACMATE401 Prepare for and monitor anaesthesia in animals**
This unit of competency describes the skills and knowledge required to prepare for and monitor anaesthesia in animals.
- ACMATE402 Conduct euthanasia of research animals**
This unit of competency describes the skills and knowledge required to conduct euthanasia or humane killing of research animals using approved methods.
- ACMATE403 Conduct non-surgical procedures on animals**
This unit of competency describes the skills and knowledge required to administer substances and take tissue and fluid samples for clinical trial project research purposes.
- ACMATE501 Manage compliance in animal technology**
This unit of competency describes the skills and knowledge required to practise and promote animal welfare and ethical standards to others in animal technology workplaces and liaise with and report to the organisation's Animal Ethics Committee (AEC) according to requirements.
- ACMATE502 Manage and maintain the health of research animals**
This unit of competency describes the skills and knowledge required to manage the health of animals in a research environment.
- ACMATE505 Carry out advanced breeding procedures**
This unit of competency describes the skills and knowledge required to establish breeding programs for multiple generation production lines, select and prepare animals for breeding, and implement breeding and post-mating procedures.
- ACMATE508 Monitor and maintain containment and exclusion procedures in animal facilities**
This unit of competency describes the skills and knowledge required to carry out organisation containment and exclusion procedures that are designed to exclude pathogenic organisms from entering an aseptic site and to contain organisms in a particular site.
- ACMATE511 Carry out post-mortem examination of a research animal**
This unit describes the skills and knowledge required to conduct a post-mortem examination of a research animal for scientific purposes. Post-mortem examinations may be subject to biosecurity and quarantine regulatory and organisational requirements.
- ACMGAS302 Provide enrichment for animals**
This unit of competency describes the skills and knowledge required to provide behavioural management and enrichment to stimulate, replenish and maintain appropriate behavioural patterns of animals.
- ACMGAS303 Plan for and provide nutritional requirements for animals**
This unit of competency describes the skills and knowledge required to calculate rations based on animal species needs and availability of foodstuffs.

- ACMGAS308** **Communicate effectively with clients and team members**
This unit of competency describes the skills and knowledge required to communicate effectively with clients, a supervisor, team members and industry representatives.
- ACMSPE312** **Provide basic care of rodents and rabbits**
This unit of competency describes the skills and knowledge required to identify rodents and rabbits and their behavioural and physical needs, and provide daily care requirements.
- ACMWHS501** **Manage workplace health and safety processes**
This unit of competency describes the skills and knowledge required to manage work health and safety.
- MSL973016** **Perform aseptic techniques**
This unit of competency describes the skills and knowledge to perform aseptic techniques to maintain the integrity of both the sample source and the sample. It applies to sampling techniques in tissue culture and to generic microbiological procedures.

ELECTIVE UNITS

Group A Electives

- BSBRES411** **Analyse and present research information**
This unit describes the skills and knowledge required to gather, organise, analyse and present workplace information using available systems and sources. This includes identifying research requirements and sources of information, applying information to a set of facts, evaluating the quality and reliability of the information, and preparing and producing reports.
- ACMSUS401** **Implement and monitor environmentally sustainable work practices**
This unit of competency describes the skills and knowledge required to apply environmentally sustainable work practices in an animal care and management facility.
- MSL916006** **Develop and maintain laboratory documentation**
This unit of competency describes the skills and knowledge to develop and maintain relevant documentation in response to identified information requirements or changes in laboratory policy or external accreditation requirements. It includes the analysis of specialised technical requirements and the development and/or amendment of workplace documents, procedures and record keeping systems using established workplace procedures. Final responsibility for documentation generally rests with professional scientific/medical/engineering staff who have the appropriate signatory status or legal delegation.
- MSL916010** **Manage complex projects**
This unit of competency describes the skills and knowledge to interpret complex technical briefs, determine project methodologies and resource requirements, establish project plans, manage projects to successful conclusions and evaluate project outcomes.
- MSL924003** **Process and interpret data**
This unit of competency describes the skills and knowledge to retrieve data, evaluate formulae and perform scientific calculations, present and interpret information in tables and graphs and keep accurate records. The unit requires personnel to solve problems of limited complexity where the information may be less obvious, but not contradictory, and can be determined by direct reasoning.

MSL973019**Perform microscopic examination**

This unit of competency describes the skills and knowledge to set up a light microscope for optimum resolution, to prepare routine samples and to observe, identify and report sample characteristics.

Group B Electives**ACMSPE302****Provide basic care of birds**

This unit of competency describes the skills and knowledge required to identify birds and their behavioural and physical needs and provide daily care requirements.

ACMSPE304**Provide basic care of domestic dogs**

This unit of competency describes the skills and knowledge required to identify dogs and their behavioural and physical needs, and provide daily care requirements.

ACMSPE305**Provide basic care of domestic cats**

This unit of competency describes the skills and knowledge required to identify domestic cats and their behavioural and physical needs, and provide daily care requirements.

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