

Master of Applied Science (Research) (910AA.2)

Please note these are the 2022 details for this course

Domestic students

Selection rank	N/A
Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Science
UAC code	
English language requirements	An IELTS Academic score of 6.5 overall, with no band score below 6.0 (or equivalent).
	View IELTS equivalences

International students

Academic entry requirements	To study at UC, you'll need to meet our academic entry requirements and any admission requirements specific to your course. Please read your course admission requirements below. To find out whether you meet UC's academic entry requirements, visit our academic entry requirements page.
	View UC's academic entry requirements

Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Science
CRICOS code	058965A
English language requirements	<p>An IELTS Academic score of 6.5 overall, with no band score below 6.0 (or equivalent).</p> <p>View IELTS equivalences</p>

About this course

Apply your science knowledge to a research project of your choice

If you are a science or applied science graduate and wish to further develop your research skills, then this is the course for you. The Master of Applied Science (Research) presents you with an opportunity to undertake independent research in a specialised area with expert supervision. This two-year full-time course has two study routes, and you can choose to complete it via a mixture of coursework and thesis, or thesis only.

As a Higher Degree by Research (HDR), it is covered under the Australian Government's Research Training Program (RTP) funding model, which provides a fee offset for domestic students for the standard duration of the course. On completion of the program, you can either continue with postgraduate research study in the form of a PhD, or confidently seek employment in a range of areas both nationally and internationally, such as government and private industry laboratories, or across natural and environmental services.

Study a Master of Applied Science (Research) at UC and you will:

- have access to expert staff supervision in applied and health science, including: human physiology, immunology, microbiology, toxicology, drug analysis, pharmacology, forensic science and neuromuscular co-ordination
- have access to resource and environmental science expertise in the fields of: vegetation and wildlife ecology, freshwater ecology, conservation biology, wildlife genetics, environmental chemistry, geomorphology, micro-meteorology, geographical information systems, and resource and environmental management
- be assigned a supervisory panel and primary supervisor to act as a mentor
- receive support and skills development to plan and undertake research.

Work Integrated Learning

Whether you choose the thesis and coursework, or thesis only study route, Work Integrated Learning (WIL) will be a core component of your course. The research project which leads to your thesis will be practice-based, and you will be encouraged to tailor your studies to suit either your previous employment experience or future career ambitions.

Career opportunities

- Research scientist
- Research assistant
- Research officer
- Research associate
- Policy officer
- Science communicator

Course-specific information

Before submitting your application, it is recommended that you prepare a research proposal and identify a potential supervisor.

To be eligible for admission, applicants must have:

- an honours degree in science (at H1 or H2A level) or the equivalent in a relevant professional field; or
- a bachelor's degree in science or applied science, with above average performance; or
- a bachelor's degree followed by a graduate diploma in applied science; or
- an honours degree in science (at H2B or H3 level) and evidence of a capacity for conducting research at master's degree level.

Domestic students who are accepted on this course are provided for under the Australian Government's Research Training Program (RTP) funding model, which provides a fee offset for the standard duration of the course. Once your RTP entitlement is consumed, you will be charged the annual fee rate that applied at the start of your degree. Further information on fees for Higher Degree by Research (HDR) students can be found [here](#).

Professional accreditation

None.

Admission requirements

To be eligible for admission applicants must have:

- a. an Honours degree in science (at H1 or H2A level) or the equivalent in a relevant professional field; or
- b. a bachelor degree in science or applied science with above average performance; or
- c. a bachelor degree followed by a graduate diploma in applied science; or
- d. an Honours degree in science at H2B or H3 level and evidence of a capacity for conducting research at the Masters level.

Assumed knowledge

None.

Periods course is open for new admissions

Year	Location	Teaching period	Teaching start date	Domestic	International
2025	Bruce, Canberra	Research Semester 2		✓	✓
2025	Bruce, Canberra	Research Semester 1		✓	✓
2026	Bruce, Canberra	Research Semester 2		✓	✓
2026	Bruce, Canberra	Research Semester 1		✓	✓
2027	Bruce, Canberra	Research Semester 2		✓	✓
2027	Bruce, Canberra	Research Semester 1		✓	✓

Credit arrangements

There are currently no formal credit transfer arrangements for entry to this course. Any previous study or work experience will only be considered as part of the application process in accordance with current [course rules and university policy](#).

Course requirements

Master of Applied Science (Research) (910AA) | 48 credit points

Restricted Choice - Must select 1 of the following

[Expand All](#) | [Collapse All](#)

Type 1: Thesis only - 48 credit points as follows

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\) | 48 credit points – Level R](#)

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\) | 48 credit points – Level R](#)

Type 2: Thesis and Coursework - 48 credit points as follows

- Must pass 12 credit points of Postgraduate Level units as approved by the Course Convener. Students are normally expected to complete the coursework units before commencing research.

[Master of Applied Science Research Thesis Type 2 \(36cp\) \(7624\) | 36 credit points – Level R](#)

[Master of Applied Science Research Thesis Type 2 \(36cp\) PT \(8630\) | 36 credit points – Level R](#)

Candidates are also required to complete a Research Education Program to acquire the generic skills and attributes as appropriate for graduates of postgraduate research programs at UC.

In addition to course requirements, in order to successfully complete your course you must meet the inherent requirements. Please refer to the [inherent requirements statement](#) applicable to your course

Typical study pattern

UC - Canberra, Bruce

Standard Full Time, Semester 1 Commencing - Thesis Only

Year 1

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Year 2

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Standard Full Time, Semester 2 Commencing - Thesis Only

Year 1

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Year 2

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Year 3

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) \(7623\)](#)

Standard Part Time, Semester 1 Commencing - Thesis Only

Year 1

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Year 2

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Year 3

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Year 4

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Standard Part Time, Semester 2 Commencing - Thesis Only

Year 1

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Year 2

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Year 3

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Year 4

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Research Semester 2

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Year 5

Research Semester 1

[Master of Applied Science Research Thesis Type 1 \(48cp\) PT \(8629\)](#)

Course information

Course duration

Standard 2 years full time or part-time equivalent. Maximum 6 years from date of enrolment to date of course completion.

Learning outcomes

Learning outcomes

Related graduate attributes

<p>Learn to conceive, plan and carry to completion a discrete piece of original research with the help and mentorship of a supervisory panel.</p>	<p>AQF skills: Demonstrate cognitive and technical skills by synthesising information from a variety of sources and exercise critical thinking, problem solving and judgement to acquire new understanding related to the research area.</p> <p>UC HDR Generic skills and attributes: Critical judgement and reflection; Innovation and creativity; Management of research; Professionalism and social responsibility.</p>
<p>Critically evaluate and review information from a range of sources in a greater depth than would be possible at an Honours level, testing it for consistency with existing frameworks of understanding and to correctly frame research questions in the field of study.</p>	<p>AQF skills: Demonstrate cognitive and technical skills to review, analyse, consolidate and synthesise knowledge to identify and provide solutions to complex problems with intellectual independence.</p> <p>UC HDR Generic skills and attributes: Communication; Critical judgement and reflection; Innovation and creativity; Management of research.</p>
<p>Contribute to an active research environment by interacting with research staff and students and to contribute to current debates in science.</p>	<p>AQF skills: Application of knowledge and skills to demonstrate responsibility and accountability for managing collaborations within a broader research group.</p> <p>UC HDR Generic skills and attributes: Communication; Professionalism and social responsibility.</p>
<p>Demonstrate the ability to work independently by taking responsibility for the major elements of planning, implementation and executing an original research project and to take a lead role in exploring the theoretical and applied implications of that work in a particular area of research and in a broader context of scholarship.</p>	<p>AQF skills: Working independently to apply knowledge and skills associated with planning and executing research.</p> <p>UC HDR Generic skills and attributes: Critical judgement and reflection; Innovation and creativity; Management of research.</p>
<p>Demonstrate skills and commitment to the meticulous measurement and collection of data, the keeping of detailed and accurate records of both</p>	<p>AQF skills: Application of knowledge and skills to</p>

laboratory and field observations, and to present these findings in the traditions of scientific method and research.	scientifically perform and record experimental data, and present the findings professionally in a variety of communication forms, including spoken and written communication. UC HDR Generic skills and attributes: Communication; Professionalism and social responsibility.
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Demonstrate knowledge of and commitment to the principles of scientific ethics and a professional attitude to their work, being independent and objective in their research and in giving professional advice.

AQF skills: Application of knowledge and skills to demonstrate a commitment to ethical and professional practices in research.

UC HDR Generic skills and attributes: Management of research; Professionalism and social responsibility.

Awards

Award	Official abbreviation
Master of Applied Science (Research)	M AppSc (Research)

Honours

None.

Enquiries

Student category	Contact details
Current and Commencing Students	Please contact the University Student Centre by Email student.centre@canberra.edu.au or Phone 1300 301 727

Prospective Students

Please email study@canberra.edu.au or telephone 1800 UNI CAN (1800 864 226)

Download your course guide



Scholarships

Find the scholarship that's the right fit for you

[Explore Scholarships](#)

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University of Canberra, Bruce ACT 2617 Australia

+61 2 6201 5111

ABN 81 633 873 422

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UC acknowledges the Ngunnawal people, traditional custodians of the lands where Bruce campus is situated. We wish to acknowledge and respect their continuing culture and the contribution they make to the life of Canberra and the region. We also acknowledge all other First Nations Peoples on whose lands we gather.