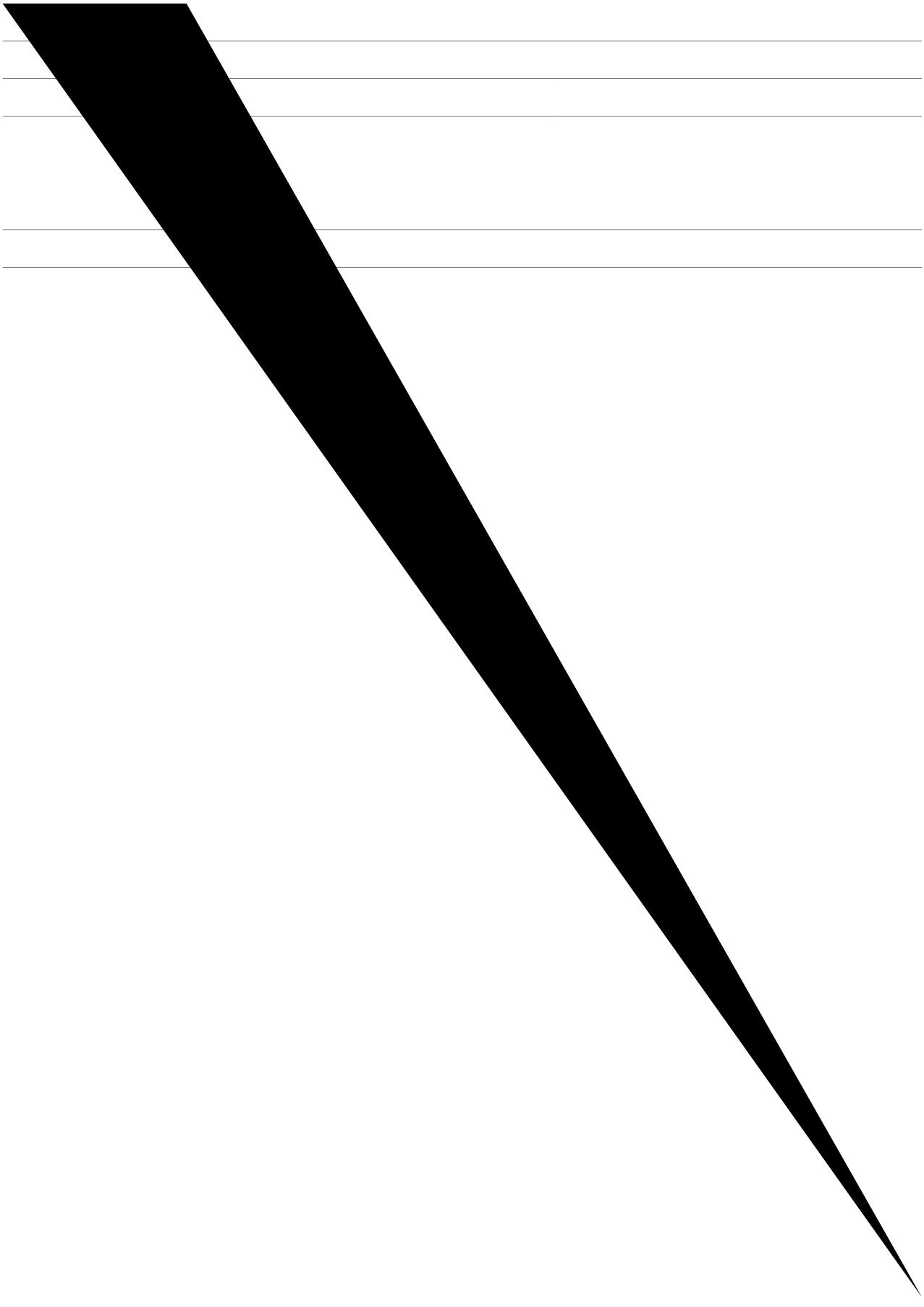
Master of Science (Research) (MSCR) - MSCR

CRICOS code (International applicants): 070618G

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area, please contact us .CRICOS code (Inousy4issirccepted. Stu5 l535.64ill be ac l535.7ill



Advanced Research specialisation

This specialisation is designed to provide students who have already undertaken substantial prior studies in a relevant area with the opportunity to focus on a significant research project in a related area.

Transfer between specialisations within this program is not possible.

Program objectives

General objectives

On successful completion of this program a graduate should be able to:

- identify, interpret and evaluate major issues of contemporary theory and practice in their discipline area
- comprehend and evaluate developments in a chosen discipline area and critically examine the relationships between such developments and contemporary theory
- apply a knowledge of the principles and ethics of research within their chosen discipline area
- identify research topics and undertake research using appropriate research methods and principles.
- report and disseminate research outcomes.

Specialisation Objectives

Applied Research specialisation

On successful completion of this program a graduate should be able to:

- apply extended knowledge, skills and research expertise in a specified field of scientific research building upon their three year degree
- plan and execute a substantial applied research project in their chosen discipline area.

Psychology Research specialisation

On successful completion of this program a student should be able to:

- apply extended knowledge, skills, and research expertise in the discipline of psychology
- clearly articulate the ethical and social responsibilities of psychology practice and research
- identify, interpret and critically evaluate major issues in contemporary psychological theory and research
- apply high levels of proficiency in psychology research including research planning and implementation, analysis, interpretation and evaluation of research results, and the presentation and communication of research findings to both specialist and non-specialist audiences.

Advanced Research specialisation

On successful completion of this program a graduate should be able to:

- extend and develop the research expertise and techniques of students entering the specialisation with a four year degree or equivalent
- plan and execute a substantial advanced research project in their chosen discipline area
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The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

Application for Admission

The degree is centred on a research project, supervised by a principal and an associate supervisor. It is therefore essential that intending candidates clarify their topic for research and seek an academic staff member able to provide principal supervision. Application forms and advice on procedures for enrolment may be obtained from the Faculty of Health, Engineering and Sciences. Intending candidates are advised to allow several months for discussion with potential supervisors and for consideration of the application prior to the commencement of candidature.

Intending applicants must consult the Faculty of Health, Engineering and Sciences before they apply. Applicants must then submit a Direct Entry application form together with other information as specified by the Faculty of Health, Engineering and Sciences. The applicants must receive approval from the Faculty of Health, Engineering and Sciences for the proposed study plan, and may also be required to attend an interview with the Faculty of Health, Engineering and Sciences prior to confirmation of acceptance.

Admission Criteria

Master of Science (Research) (Applied Research)

To be eligible for admission to the Master of Science (Research) (Applied Research), applicants must satisfy the following requirements:

- completion of a three-year Australian university bachelor degree in the area of the related field of study with a GPA of 5.0 out of 7.0 for the last 2 full years of the degree or above, or equivalent

or

- equivalent qualification and work experience in the related field of study as determined by the program coordinator

and

- acceptance will be subject to the availability of, and endorsement by, a USQ supervisor.
- English Language Proficiency requirements for Category 3.

Master of Science (Research) (Psychology Research)

To be eligible for admission to the Master of Science (Research) (Psychology Research), applicants must satisfy the following requirements:

- completion of a program of study approved by the Australian Psychology Accreditation Council (APAC) as constituting the first three years (or equivalent) of study in psychology within the last three years and
- achieved a GPA of 5.0 out of 7.0 or above in the psychology courses in an APAC accredited undergraduate program

and

- acceptance will be subject to the availability of, and endorsement by, a USQ supervisor.
- English Language Proficiency requirements for Category 3.

Master of Science (Research) (Advanced Research)

To be eligible for admission to the Master of Science (Research) (Advanced Research), applicants must satisfy the following requirements:

- completion of a four-year Australian university bachelor degree in the area of the related field of study with a GPA of 5.0 out of 7.0 for the last 2 full years of the degree, or above, or equivalent

or

- completion of a 1.5 year Australian university Masters degree in a relevant discipline with a GPA of 5.0 out of 7.0 or above, or equivalent

or

- equivalent qualification and work experience in the related field of study as determined by the program coordinator

and

- acceptance will be subject to the availability of, and endorsement by, a USQ supervisor.
- English Language Proficiency requirements for Category 3.

All students are required to satisfy the applicable

The Australian Commonwealth Government's contribution to program fees must be acknowledged on all published material relating to a research project via a statement identifying the support received through the RTP Fees Offset scheme.

Program structure

Applied Research specialisation

There are 12 units in the program. There are four coursework units which will include a research training course. Courses are normally at level 4 or above and are selected in consultation with the supervisor to reflect additional training complementary to the area of research to be undertaken. The research training course will consist of SCI8103 Research Fundamentals and Ethics or HSC8050 Research Methodology for the Human Sciences or ENG8001 Engineering Research Methods or equivalent (as approved by the Program Director).

The remaining 8-unit research project will be undertaken in consultation with an approved supervisor. The first research project course SCI9012 Master of Science Research Project B is evaluated by a progress report and a thesis proposal.

The student will prepare a thesis based on independently conducted research. To successfully complete the thesis, students will be required to select a research topic, carry out supervised research on the chosen topic using an appropriate research method and present and defend the results. The Masters level thesis will be examined as per the Higher Degree by Research Thesis Examination Schedule.

The thesis topic may be drawn, depending on availability, from the areas of:

- Agricultural Science
- Applied Climate Science
- Astronomy
- Biology
- Computer Science
- Counselling
- Data Science
- Environmental Science
- Mathematics
- Midwifery
- Nursing
- Physical Sciences
- Psychology
- Spatial Science
- Sport and Exercise
- Statistics

Psychology Research specialisation

There are 12 units in the program. There are four compulsory Level 4 psychology coursework units.

The remaining 8-unit research project will be undertaken in consultation with an approved supervisor. The first research project course SCI9017 Master of Science Psychology Research Project is evaluated by a progress report and a thesis proposal.

The student will prepare a thesis based on independently conducted research. To successfully complete the thesis, students will be required to select a research topic, carry out supervised research on the chosen topic using an appropriate research method and present and defend the results. The Masters level thesis will be examined as per the Higher Degree by Research Thesis Examination Schedule.

Advanced Research specialisation

Candidates will be expected to conduct their studies in areas of science research that reflect the expertise of current staff in the Faculty of Health, Engineering and Sciences. Most research active staff are also members

of a USQ Research Centre. Details of current research programs and potential supervisors can be found on the Research webpage.

The emphasis of the program will be on developing the appropriate knowledge and skills to undertake independent research and professional practice. Accordingly, a major component of the program will be a supervised research project.

There are 12 units in the program. There is one unit of coursework research training, one postgraduate elective (coursework or research training as approved by the Program Director) and 10 units of independent research. Progress in the research courses is monitored via research reports co-ordinated by the Office of Research and Higher Degrees. In addition, two of the research project courses (SCI9012 Master of Science Research Project B and SCI9013 Master of Science Research Project C are formally evaluated. SCI9012 Master of Science Research Project B is evaluated by a progress report and a thesis proposal. In the case of SCI9013 Master of Science Research Project C, this is evaluated by a progress seminar and progress report.

The student will prepare a thesis based on independently conducted research. To successfully complete the thesis, students will be required to select a research topic, carry out supervised research on the chosen topic using an appropriate research method and present and defend the results. The Masters level thesis will be examined as per the Higher Degree by Research Thesis Examination Schedule.

The research training course will consist of SCI8103 Research Fundamentals and Ethics or HSC8050 Research Methodology for the Human Sciences or ENG8001 Engineering Research Methods or equivalent (as approved by the Program Director).

The thesis topic may be drawn, depending on availability, from the areas of:

- Agricultural Science
- Applied Climate Science
- Astronomy
- Biology
- Computer Science
- Counselling
- Data Science
- Environmental Science
- Mathematics
- Midwifery
- Nursing
- Physical Sciences
- Psychology
- Spatial Science
- Sport and Exercise
- Statistics

Required time limits

Students have a maximum of 2 years (full-time) or 4 years (part-time) to complete this program.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Psychology Research:

- SCI9017 Master of Science Psychology Research Project

Please refer to the Residential School Schedule.

Applied Research and Advanced Research:

Elective course options within the Applied Research and Advanced Research specialisations may have residential schools and students should seek confirmation of the requirements when selecting their electives.

Exit points

Students enrolled in the Applied Research specialisation, who have successfully completed four coursework units and wish to exit without completing the program, may seek, with approval of the Program Director, to exit via the Graduate Certificate of Science. Students must successfully complete this specialisation prior to application for entry to the PhD program.

Students enrolled in the Psychology Research specialisation must successfully complete this specialisation prior to application for entry to the PhD.

Doctorate transfer

Students enrolled in the Master of Science (Research) Advanced Research specialisation, who wish to transfer without completing the program, may on the basis of outstanding performance, seek to transfer to the Doctor of Philosophy, Doctor of Applied Science or Doctor of Health. To be considered for acceptance into either of the above programs, students must have achieved all of the following:

- Completed at least 8 units within the Master of Science (Research) Advanced Research specialisation.
- A GPA of at least 6 achieved from chosen research methodology course, approved elective course and SCI9013 Master of Science Research Project C (with a minimum A grade in SCI9013).
- Research Confirmation of Candidature approved at PhD level by the Office of Research Graduate Studies.
- Excellent research progress to be presented at the completion of 8 units, to be assessed by a Faculty review panel.

Credit

There will be no Credit or Exemptions for research project units in any specialisation of this program. Exemption for up to 4 units of relevant coursework undertaken as part of a Masters program may be approved within the Master of Science (Research) (Applied Research). Exemption for 1 unit of relevant coursework undertaken as part of a Masters program may be approved within the Master of Science (Research) (Advanced Research). There will normally be no Credit or Exemptions for the compulsory coursework units in the Psychology Research specialisation.

Recommended enrolment pattern - Applied Research specialisation (full-time)

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

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or							
ENG8001 Engineering Research Methods[&]		1,2,3				1,2	
Approved Course 1[**]	1	1	1	1			
Approved Course 2[**]	1	1	1	1			
Approved Course 3[**]	1	1	1	1			
SCI9012 Master of Science Research Project B[*~]	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9014 Master of Science Research Project D[*~]	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 2							
SCI9014 Master of Science Research Project D[*~]	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9015 Master of Science Research Project E[*~]	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

& Required for Spatial Science students and must be completed satisfactorily during the first semester of study. Students who have previously completed SCI4405 Research Practice and Ethics or HSC8050 Research Methodology for the Human Sciences or an equivalent course elsewhere, will be required to undertake an alternative course selected in consultation with the Program Director.

** Approved courses may not be available on campus at Ipswich. Courses will normally be at level 4 or above and are selected in consultation with the project supervisor and approval of the Program Director. Sport and Exercise: the recommended coursework courses are SES8006 Advanced Exercise Programming and Rehabilitation (The on-campus offer will not run in 2020), SES8007 Advanced Exercise Assessment and Delivery (compulsory residential school for external students) and SES8008 Advanced Anatomy and Physiology (compulsory residential school for external students), however an alternate course from within a relevant Science or Health and Wellbeing discipline, selected in consultation with the project supervisor, may be approved by the Program Director.

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								BPSH or MSCR (Psychology Research)
SCI9017 Master of Science Psychology Research Project+*	1	1,2	1	1,2			R	
PSY4070 Assessment and Interview Skills	1	2			1	2	M	Pre-requisite: Students must be enrolled in one of the fol lowing Programs: BSCH (Psychology major 12302) or BPSH or MSCR (Psychology Research)
SCI9014 Master of Science Research Project D~*	1	1,2	1	1,2				Pre-requisite: Student must be enrolled in the following Program: MSCR
PSY4040 Psychological Interventions	1	2			1	2	M	Pre-requisite: Students must be enrolled in one of the fol lowing Programs: BSCH (Psychology major 12302) or BPSH or MSCR (Psychology Research)
Year 2								
SCI9014 Master of Science Research Project D*~	2	1,2	2	1,2				Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9015 Master of R	2	1,2	2	1,2				Pre-requisite: Student must be enrolled in the following Program: MSCR

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	Vb^o	Pbj	Vb^o	Pbj	Vb^o	Pbj	
or							
Equivalent approved by the Program Director							
Approved Course**	1	1,2	1	1,2			
SCI9012 Master of Science Research Project B*~	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 1, Semester 2							
SCI9013 Master of Science Research Project C*	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9014 Master of Science Research Project D*~	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 2							
SCI9014 Master of Science Research Project D*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9015 Master of Science Research Project E*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

& Required for Spatial Science students and must be completed satisfactorily during the first semester of study. Students who have previously completed HSC8050 Research Methodology for the Human Sciences or an equivalent course elsewhere, will be required to undertake an alternative course selected in consultation with the Program Director.

** Approved courses may not be available on campus at Ipswich. Courses will normally be at level 8 or above and are selected in consultation with the project supervisor and approval of the Program Director. Sport and Exercise students who have already met the research methods/training requirements may choose an approved course and are recommended to choose from SES8006 Advanced Exercise Programming and Rehabilitation , SES8007 Advanced Exercise Assessment and Delivery (compulsory residential school for external students) and SES8008 Advanced Anatomy and Physiology (compulsory residential school for external students), however an alternate course from within a relevant Science or Health and Wellbeing discipline, selected in consultation with the project supervisor, may be approved by the Program Director.

* Two units of credit

~ Pass/Fail course

Recommended enrolment pattern - Advanced Research specialisation (part-time)

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.
