



Scientific excellence for the real world at UWS

The UWS Master of Science provides advanced theoretical and practical knowledge in diverse scientific fields, developing an understanding of new specialist fields or extending previous expertise.

Critically evaluate the social, economic and environmental impacts of policy and management decisions, analysing current and emerging issues in your area of specialisation. You will also develop skills to apply strategies, taking leadership in responding to change.

We offer these specialisations:

- Occupational Safety, Health and Environmental Management
- Climate Change and Environmental Management
- Biotechnology

The Master of Science is available in both full-time and part-time multi-modal study patterns, whereas the Graduate Certificate in Science is available in a part-time multi-modal study pattern. The Graduate Diploma in Science is an exit point only from the Master of Science.

The Master of Science embraces innovative teaching approaches; it links teaching, industry and the community, allowing you to place study and learning in real-world contexts.

2012

POSTGRADUATE

SCIENCE

Educating tomorrow's science graduates in a contemporary, challenging, inter-disciplinary environment.

postgraduatestudy@uws.edu.au

The University of Western Sydney is educating tomorrow's science graduates in a contemporary, challenging, inter-disciplinary environment and continually adapting to a changing world.

Teaching staff are experts in their field of specialisation, with strong research and consultancy links to industry. Their teaching reflects their leading-edge knowledge, research and technology.

COURSE SUMMARY

UAC CODE AUTUMN	UAC CODE SPRING	COURSE NAME	STUDY MODE	CAMPUS
952760	955760	Master of Science	1F/2P	Hawkesbury
952764	955764	Graduate Certificate in Science	1P	Hawkesbury
952762	955762	Master of Science	1F/2P	Distance
952766	955766	Graduate Certificate in Science	1P	Distance

TEACHING,
INDUSTRY AND
COMMUNITY
LINKS EMPHASISE
LEARNING IN REAL -
WORLD CONTEXTS.

Career opportunities

Your career opportunities, depending on the specialisations chosen, are diverse and challenging. Career opportunities for Graduate Certificate in Science graduates will depend on previous work experience and qualifications.

Entry requirements

Eligibility for admission to the Master of Science is based on the following requirements:

An undergraduate degree in any discipline OR

Graduate Diploma or Graduate Certificate in any discipline and one year full-time equivalent work experience in occupational health and safety, environmental management, occupational hygiene, climate change, natural resource management or biotechnology.

Graduate Certificate in Science

Graduates must have an undergraduate degree in any discipline. Non-graduates may apply on the basis of relevant work experience (minimum of five years), plus completion of a relevant Vocational Training Qualification (minimum Certificate IV).

English proficiency requirements

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre (UAC) website at www.uac.edu.au

Recognition of prior learning

Special equivalence may be granted to candidates on the basis of evidence submitted at the time of application of academic and/or professional qualifications you hold.

Pathways

In many of the specialisations, you have the choice of graduating with a Graduate Diploma in Science after completing 60 credit points, or a Graduate Certificate in Science after completing 40 credit points.

STUDY SEQUENCE

Science	Masters	Graduate Certificate
Developing Professional Practice OR Principles and Practice of Biotechnology 1	•	•
Perspectives of Sustainable Development OR Advanced Analytical Techniques	•	•
Methods of Researching OR Methods of Scientific Researching	•	
Science Research Project OR Science and Health Research Project	•	

Master of Science (full-time or part-time)

Electives

Students must complete 80 credit points of study which must be made up from the core units plus electives where required.

- Advanced Analytical Techniques
- Air, Water and Noise Management
- Biotechnology Analytical Techniques
- Climate Change Impacts
- Environmental Assessment
- Noise Assessment and Control
- Occupational and Environmental Hygiene
- Occupational Health Management
- Principles and Practice of Biotechnology 1
- Principles and Practice of Biotechnology 2
- Professional Topic
- Safety and Risk Management
- Special Issues in Science (PG)
- Sustainable Resource Management

Graduate Certificate in Science (part-time)

Electives

Students must complete 40 credit points of study which must be made up from the core units plus electives where required.

- Advanced Analytical Techniques
- Air, Water and Noise Management
- Biotechnology Analytical Techniques
- Climate Change Impacts
- Environmental Assessment
- Noise Assessment and Control
- Occupational and Environmental Hygiene
- Occupational Health Management
- Principles and Practice of Biotechnology 1
- Principles and Practice of Biotechnology 2
- Professional Topic
- Safety and Risk Management
- Special Issues in Science (PG)
- Sustainable Resource Management

Science (Occupational Safety, Health and Environmental Management)	Masters	Graduate Certificate
Occupational Health Management	•	•
Safety and Risk Management	•	•
Occupational and Environmental Hygiene OR Managing for Sustainable Development	•	•
Developing Professional Practice	•	•
Perspectives of Sustainable Development	•	•
Methods of Researching OR Methods of Scientific Researching	•	
Science and Health Research Project	•	

Students can elect to exit with a Graduate Diploma of Science (Occupational Safety, Health and Environmental Management) if they have completed 60 credit points, not including the research project.

STUDY SEQUENCE

Science (Biotechnology)	Masters
Principles and Practice of Biotechnology 1	•
Principles and Practice of Biotechnology 2	•
Biotechnology Analytical Techniques	•
Advanced Analytical Techniques	•
Methods of Researching OR Methods of Scientific Researching	•
Science Research Project (30 credit points)	•

Students can elect to exit with a Graduate Diploma of Science (Biotechnology) if they have completed 60 credit points, not including the research project.

Science (Climate Change and Environmental Management)	Masters
Climate Change Impacts	•
Sustainable Resource Management	•
Developing Professional Practice	•
Perspectives of Sustainable Development	•
Managing for Sustainable Development	•
Methods of Researching OR Methods of Scientific Researching	•
Science and Health Research Project	•

Students can elect to exit with a Graduate Diploma of Science (Climate Change and Sustainable Resource Management) if they have completed 60 credit points, not including the research project.

On successful completion of the units required for the Graduate Certificate you may apply for transfer to the Master of Science.

How to apply

Postgraduate course applications are processed online through the Universities Admissions Centre (UAC) at www.uac.edu.au/postgraduate

Further information on postgraduate courses and the application procedure is available at myfuture.uws.edu.au

For international students

International students need to apply direct to the University. Part-time mode for this course is not available to international students due to Australian student visa regulations.

Application forms and information on admission are available at www.uws.edu.au/international/admissions

For information about studying at UWS, including courses, tuition fees, English requirements, intakes, assessment methods, accommodation options, and living in Australia, please visit www.uws.edu.au/international

2012 postgraduate study

Further information

Contact the Course Information Centre
on 1300 897 669 or email
postgraduatestudy@uws.edu.au

International students
call +612 9852 5499 or email
internationalstudy@uws.edu.au

The University of Western Sydney reserves the right at all times to withdraw or vary courses listed within this publication. In the event that the course is to be changed, or in the event that the course is to be withdrawn, applicants will be advised by mail to the address specified by them on their application.

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