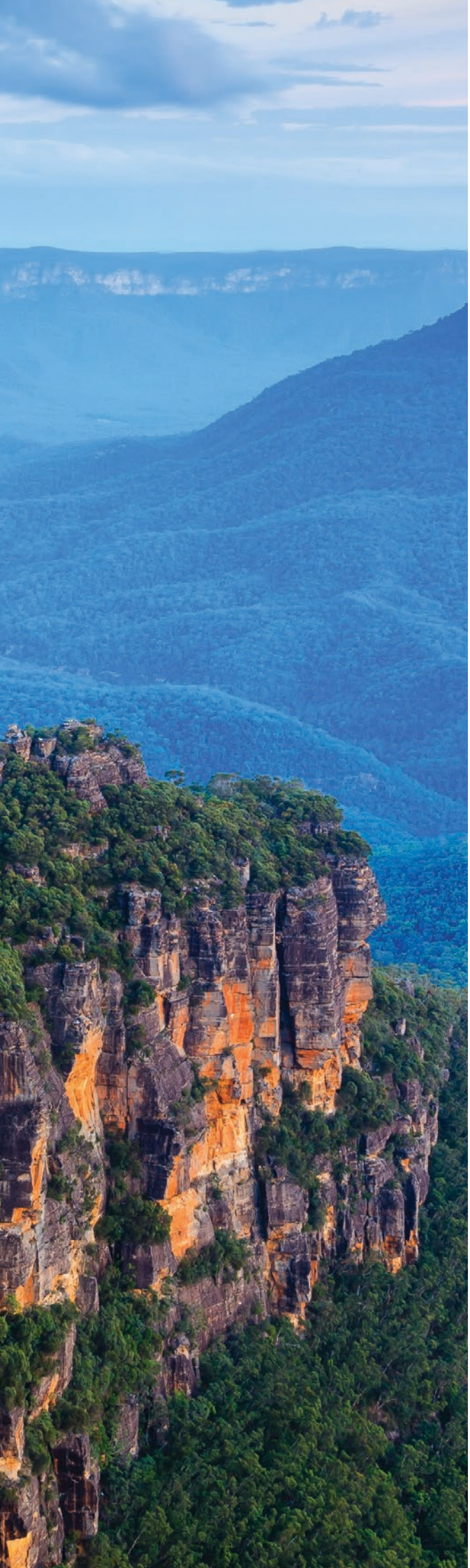
MONASH University

MONASH MASTER OF SCIENCE IN ATMOSPHERIC SCIENCE

monash.edu/science

GROUP OF EIGHT AUSTRALIA



MASTER OF SCIENCE IN ATMOSPHERIC SCIENCE

The importance of severe weather, global warming and other climate change problems continue to escalate, and with it comes a rising demand for experts in atmospheric science.

Atmospheric science deals with the structure and evolution of the atmosphere, from the day-to-day changes in our weather to human-induced changes in the climate. As a result, atmosphere science is a high-impact science affecting the wellbeing of the public as well as influencing the development of public policy through its predictions of future weather and climate.

Changes to our atmosphere, whether naturally caused or human induced, have an imprint on almost every sector of society including industry, farming, health, sport, recreation and everyday life.

Our new Master's degree is delivered by the School of Earth, Atmosphere and Environment, a world research leader in Meteorology, Climate, Geography, Environmental Science, and Solid Earth Science.

COURSE DESCRIPTION

This two-year program is designed to make you a professional atmospheric scientist. It is aimed at anyone with a passion for weather and climate, and an interest in applying their science skills to better understanding, prediction and management of our environment.

You can also use this program as springboard to a PhD.

CAREER OPPORTUNITIES

Atmospheric scientists work in private sector consultancies, government laboratories and agencies, and universities. They forecast the weather, build weather and climate prediction models, make seasonal predictions, manage the environment, and analyse insurance risk among many other things.

New Horizons Research Centre

COURSE STRUCTURE

You will take advanced coursework studies in areas such as:

- Statistics for climate dynamics
- Dynamical meteorology
- General circulation
- Atmospheric modelling
- Atmospheric boundary layers
- Ocean circulation and dynamics

The coursework is complemented by a single research project over two years or two smaller one-year projects, which are especially suitable for those contemplating a career in industry.

For more information:
monash.edu/master-science

SCHOLARSHIPS

You may be able to apply for generous scholarship opportunities to support you with your studies.

For more information:
monash.edu/study/fees-scholarships

COURSE STRUCTURE

YEAR 1 Semester 1	=	Advanced Studies (6 points)	+	Advanced Studies (6 points)	+	EAE4000 Atmospheric science research project A (12 points)
YEAR 1 Semester 2	=	Advanced Studies (6 points)	+	Advanced Studies (6 points)	+	EAE4001 Atmospheric science research project B (12 points)
YEAR 2 Semester 1	=	Extended Technical Studies (6 points)	+	Extended Technical Studies (6 points)	+	EAE5000 Advanced atmospheric science research project A (12 points)
YEAR 2 Semester 2	=	Extended Technical Studies (6 points)	+	Extended Technical Studies (6 points)	+	EAE5001 Advanced atmospheric science research project B (12 points)

Part A: Advanced studies

Consolidates the student's theoretical and/or technical knowledge in an area of specialisation

Part B: Research project

To develop the student's ability to establish, plan and execute a research project under the guidance of an academic supervisor.

Part C: Extended technical studies

To deepen the student's understanding of specific topics within their chosen discipline.

Part D: Advanced research project

Students will establish, plan, execute and report on an advanced research project. Students will work with a supervisor on a chosen topic

ENTRY REQUIREMENTS

Entry level 1
96 points to complete

Duration
2 years full-time

Intakes
February and July

An undergraduate degree (equivalent to an Australian undergraduate degree) with a major in Meteorology, Atmospheric Science or a related discipline with at least a 65% average or qualification/experience that the faculty considers to be equivalent.

Entry Level 2
48 points to complete

Duration
1 year full-time

Intakes
February and July

A four-year Australian honours degree (or equivalent) with a major in Meteorology, Atmospheric Science or a related discipline with at least 65% average or qualification/experience or a satisfactory substitute that the faculty considers to be equivalent.

English entry requirements

IELTS (Academic English Only)	TOEFL (Internet-based)	Pearsons Test of English (PTE)	Cambridge Certificate of Proficiency in English (CPE) & Cambridge Certificate in Advanced English (CAE)*
6.5 Overall (no band lower than 6.0)	79 Overall **Writing:** 21 **Speaking:** 18 **Reading:** 13 **Listening:** 12	58 Overall (no band lower than 50)	176 Overall (no band lower than 169)

*Test taken from January 2015 and onwards

Tuition fees

International students
A$44,500 per year

MONASH University

MONASH SCIENCE

Further information

monash.edu/earth-atmosphere-environment

International students
Australia freecall tel: 1800 181 838
Tel: +61 3 9903 4788 (outside Australia)
Email: study@monash.edu
facebook.com/MonashUniScience
youtube.com/user/ScienceMonashUni
wechat: MonashUniAus
Youku: Monash 蒙纳士大学
weibo.com/monashuniversityaust

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