



New Horizons Research Centre

COURSE STRUCTURE

You will take advanced coursework, including:

- Mineral Exploration Simulation
- Applied Analytical Geochemistry
- Geology and Tectonics of New Zealand
- Drones and Digital Mapping in Earth Science
- 3D Geological Modelling
- Applied Geophysics and Earth imaging
- Advanced Field Geology
- Remote Sensing
- Spatial Data Analysis
- Geographic Information Systems (GIS)
- Water Security and Environmental Pollution
- Climate Change, Energy and Human Security
- Contemporary Environmental Earth Science Problems
- Victoria Institute of Earth and Planetary Science (VIEPS) coursework

In addition to coursework study you will also complete a research project in field-based, theoretical, computational or experimental Earth science.

For more information:
monash.edu/study/courses/find-a-course/2019/science-s6000



Further information

monash.edu/earth-atmosphere-environment

Future student enquiries

Australian citizens, permanent residents
and New Zealand citizens
Tel: 1800 MONASH (666 274)
Email: future@monash.edu
monash.edu/study/contact

International students

Australia freecall tel: 1800 181 838
Tel: +61 3 9903 4788 (outside Australia)
Email: study@monash.edu
Wechat: MonashUniAus
Youku: Monash 蒙纳士大学

facebook.com/monasheae
twitter.com/monasheae
instagram.com/monasheae



SCHOLARSHIPS

You may be eligible for a scholarship to support you with your studies.

Monash University also provides targeted scholarships for students from disadvantaged groups and Indigenous backgrounds.

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

MONASH
SCIENCE



MONASH MASTER OF SCIENCE IN EARTH SCIENCE

monash.edu/science

The information in this brochure was correct at the time of publication (August 2018). Monash University reserves the right to alter this information should the need arise. You should always check with the relevant faculty office when considering a course.

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MASTER OF SCIENCE IN EARTH SCIENCE

Earth science is a broad discipline that covers all aspects of the study of the Earth’s interior and its surface physical environment.

Our new Master of Science in Earth Science will appeal to those passionate about applying their skills to explore for resources and manage our physical environment. We provide a comprehensive and interdisciplinary perspective that will equip you for a career in resource exploration or environmental earth science by integrating your education with technological advances that align with the skill sets of the future.

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

COURSE DESCRIPTION

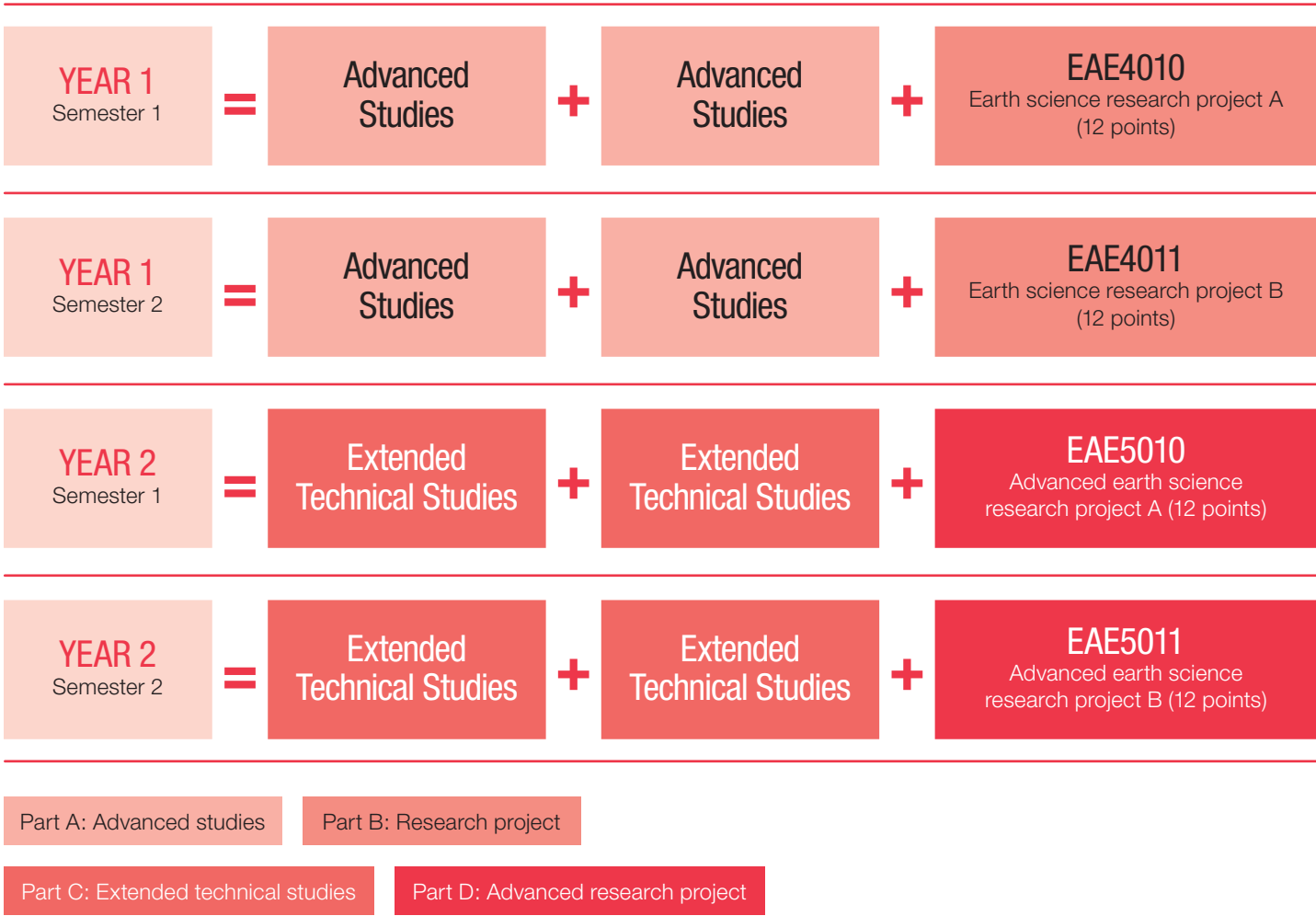
This two-year program is designed to make you a professional earth scientist. You can specialise in applied geoscience, remote sensing and spatial data science, or environmental earth science – three key areas highly relevant to training the next generation of skilled Earth scientists for the international natural resources and environmental sectors. You can also use this Masters as a springboard to a PhD.

The Master of Science in Earth Science is innovative with a strong, hands-on, problem-based focus that incorporates modern advances in data analytics, advanced 3D geological modelling, remote sensing, spatial data science, GIS, drones and sensors. Training in these areas will be enhanced by the cutting-edge facilities and equipment available at Monash including the Cave II immersive visualisation facility, state-of-the-art geochemical and materials analytical laboratories, drones and sensors. You also have the option to select coursework available through the Victoria Institute of Earth and Planetary Science (VIEPS), and electives in Information Technology, Business and Management.

CAREER OPPORTUNITIES

This Master’s degree is industry - and future - focused and will equip you for tomorrow’s workplace. Graduates typically find work in mining and exploration companies, environmental consulting firms, the oil and gas sector, research institutes, government agencies, and academia.

COURSE STRUCTURE



ENTRY REQUIREMENTS

