

# 2019 MAJOR – Environmental Earth Science

(Qualifying Major for Bachelor of Environment)

Environmental earth scientists have an appreciation of earth surface processes and environmental systems and are able to use evidence from the landscape to address challenging environmental issues. The major in Environmental Earth Science provides a solid foundation for environmental inquiry by developing an understanding of global processes spanning, geomorphological, geological, biological, ecological and chemical concepts and understanding how these systems are influenced by human impact and management. This program provides a 'hands-on' approach to skills development with a focus on in-field training that allows the capacity for independent and team-based scientific inquiry. It encourages the development of essential field and analytical skills, critical thinking, communication and problem solving in an effort to produce environmental earth scientists with a broad but comprehensive skill set and knowledge base that can be applied to a range of professional roles within the workforce.



**The table below is a suggested first session for students beginning in Session 2, 2019.** Please make your selection of units after reviewing the requirements of your award in the 2019 Handbook:

[www.handbook.mq.edu.au/2019/DegreesDiplomas/Degree/Bachelor+of+Environment](http://www.handbook.mq.edu.au/2019/DegreesDiplomas/Degree/Bachelor+of+Environment)

## Suggested First Session

### Session 2, 2019

Unit Code	Unit Name
ENV118	Environmental Management for a Changing World
GEOS125	Earth Dynamics
STAT170	Introductory Statistics
CBMS107 or CBMS108 or Elective	Foundations of Chemical and Biomolecular Sciences 1 Foundations of Chemical and Biomolecular Sciences 2 Choose an elective unit

- You must also meet the general requirements for the degree for which you will qualify.
- It may be possible to satisfy the requirements of your degree by taking a different selection of units in your first session from those suggested above.
- Some units suggested above may be electives or will assist as prerequisites to later units. It may be possible to satisfy the requirements of your degree by taking a different selection of these units in your first year of study. A variety of first year Mathematics units are available [MATH111, MATH130, MATH135], depending on previous study. Popular electives for Environmental Earth Science students include earth and planetary sciences (GEOS126), biology (BIOL115, BIOL116) and statistics (STAT171). Outside the Faculty of Science and Engineering, ACSC100 is a unit designed to help science students with writing skills. Some units are available in more than one session.
- Consider what units you will want to study in second and third year. Prerequisite requirements for those units must

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LEVEL 2, MUSE C7A PHONE: 9850 6410  
Macquarie University NSW 2109 Australia  
[Handbook.mq.edu.au](http://Handbook.mq.edu.au)

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be completed prior to enrolment in the higher-level unit. In the second year of the Environmental Earth Science major students may take any ENVE, ENV GEOS and BIOL unit at 200 level. Some of these units have prerequisites not included in the Environmental Earth Science major list here, so it is important to check these before planning your first year choices. ENVE266 is the prerequisite for most of the 300 level units so it is important that this unit is passed with a strong grade.

- Most of the units include; fieldwork, student research projects, a practical component, and can be conducted by distance education (although attendance for brief on campus sessions is required).
- A knowledge of mathematics and statistics is recommended and will be helpful for the Environmental Earth Science major. Bridging courses in mathematics are available and recommended for those without recent HSC study: [www.tinyurl.com/bridgingmq](http://www.tinyurl.com/bridgingmq).
- For a double major complete required units for both majors where possible in the first year. If considering a double major consult the criteria found at [www.handbook.mq.edu.au/2019/Majors](http://www.handbook.mq.edu.au/2019/Majors).
- You can receive specific program advice from the faculty at any stage in your degree by lodging a "Program Advice" enquiry via <http://ask.mq.edu.au>.



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