



2018 MAJOR – Geophysics

(Qualifying Major for Bachelor of Science with the degree of Bachelor of Laws)

Geophysics is the branch of Earth science concerned with exploring, modelling and analysing the Earth through physical methods. The geophysics major includes resource exploration, environmental and groundwater geophysics, earth dynamics, and tectonics. The major provides a solid foundation in the essentials of geophysics and geology. Advanced course work in geophysics provides the in-depth knowledge for students to pursue professional careers in the private sector, government or to undertake advanced postgraduate study.



The table below is a suggested first year program guide to support your enrolment. Please make your selection of units after reviewing the requirements of your award in the 2018 Handbook:

www.handbook.mq.edu.au/2018/DegreesDiplomas/Degree/Bachelor+of+Science+with+the+degree+of+Bachelor+of+Laws


Suggested First Year			
Session 1, 2018		Session 2, 2018	
Unit Code	Unit Name	Unit Code	Unit Name
PHYS140 * or PHYS149 * or PHYS107 *	Physics IA Physics for Life Sciences Modern Mechanics	GEOS125 or GEOS126	Earth Dynamics Marine Geoscience
MATH135 * or MATH111	Mathematics 1A Quantitative Methods for Science	LAW109	Criminal Justice
LAW115	Foundations of Law	LAWS104	Contracts
Elective	Choose a People or Planet unit	LAWS108 **	Law, Lawyers and Society

- 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 year from those suggested above.
- * PHYS140, PHYS149 and PHYS107 require HSC Mathematics Band 4 or higher. If you do not meet this prerequisite please seek academic advice by lodging a “Program Advice” enquiry via <http://ask.mq.edu.au>.
- * In addition, PHYS107 is recommended for students with HSC Physics Band 4 or higher.
- ** If an additional Science unit is selected for session 2, LAWS108 can be taken in the second year.
- The Geophysics Major is structured so that you do some geology and physics at first year to provide a sound base for geophysics. At second year you complete an introduction to geophysics, as well as undertaking related units of your choice (GEOS, PHYS or MATH). At third year you will specialise in geophysics, completing four units in geophysics.

FIND OUT MORE
CONTACT: STUDENT CONNECT
LEVEL 2, MUSE C7A PHONE: 9850 6410
Macquarie University NSW 2109 Australia
Handbook.mq.edu.au

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- Consider what units you will want to study in second and third year. Prerequisite requirements for those units must be completed prior to enrolment in the higher-level unit.
- All students must complete one People unit and one Planet unit. Criteria and available units can be viewed at www.handbook.mq.edu.au/2018/Units/Planet and www.handbook.mq.edu.au/2018/Units/People.
- 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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