Earth Science

About this area of study

Deakin University's Bachelor of Science allows you to start with a broad program then specialise as you progress through the course, developing your interests and career aspirations.

As a graduate of Deakin University's Bachelor of Science you may find work in government institutions in roles such as quality assurance, occupational health and safety, research, planning, management or marketing; in science related industries, working in pharmaceutical production or pharmaceutical sales; in biomedical science areas such as research or hospital and laboratory science; in quality assurance in analytical and diagnostic laboratories; in the food industry in quality control; in environment and natural resources, in teaching, information technology, mathematics or in science journalism to name a few.

The Earth Science major involves an integrated study of our planet and its environments, both past and present; an understanding of the interacting natural systems that operate on and within our planet; and an examination of the evolution of our planet over the immense perspective of time.

They study of Earth Science may include the investigation of the atmosphere, the oceans, the biosphere and the earth. It may involve using physics, geology, chemistry, biology, chronology and mathematics to understand Earth and it's evolution.

Careers from Earth Science are diverse and could include investigating sites for dams, tunnels, roads and railways, or developing underground water resources. They could also include studying the coastal process and their impact on the environment, or undertaking risk assessment on earthquake and landslides. Other possibilities are working with water supply and power generation, beach protection, and main roads.

Courses offered by Deakin University include

- Bachelor of Science (with an earth science major)

Labour market information

Grads online has information regarding graduate salaries and where graduates go after completing their course www.gradsonline.com.au

Job Outlook has information about the labour market outlook http://joboutlook.gov.au

Related occupations

- Geologist

- Urban geoscientist
- Mine geologist
- Well-site geologist
- Exploration geoscientist
- Atmospheric scientists
- Oceanographers researcher
- Development geophysicist
- Geological survey geologist

An industry career profile, salary and other employment information can be obtained from the My Future website www.myfuture.edu.au

Descriptions of occupations can be found at The Job Guide www.jobguide.thegoodguides.com.au

Employers

BHP Billiton www.bhpbilliton.com

Rio Tinto www.riotinto.com

Woodside www.woodside.com.au

Chevron www.chevron.com

Bureau of Meteorology www.bom.gov.au

Department of Sustainability and Environment (DSE) www.dse.vic.gov.au

Geoscience Australia www.ga.gov.au

Commonwealth Scientific and Industrial Research Organisation (CSIRO) www.csiro.au

Environmental Protection Authority Victoria www.epa.vic.gov.au

Museum of Victoria www.museumvictoria.com.au

University of South Australia Geoscience Research Group www.unisa.edu.au/nbe/research/agrg

Greenpeace www.greenpeace.org.au

Proto Resources and Investments Ltd www.protoresources.com.au

For specific employment opportunities visit the following sites

Deakin University Jobshop www.deakin.edu.au/jobshop

New Scientist Jobs www.newscientistjobs.com/jobs

Environmental Jobs Network www.environmentaljobs.com.au

Science Alert www.sciencealert.com.au

Graduate Opportunities www.graduateopportunities.com

Uni Grad www.unigrad.com.au

Seek www.seek.com.au

My Career www.mycareer.com.au

Career One www.careerone.com.au

Professional associations

Earth Science Australis http://earthsci.org

Australian Research Council Research Network for Earth System Science (ARCNESS) www.arcness.mq.edu.au

Australian Institute of Geoscientists www.aig.org.au

Australian Society of Exploration Geophysicists www.aseg.org.au

Geological Society of Australia Inc www.gsa.org.au

The Australian Geoscience Council www.agc.org.au