

Earth Science Technician

ANZSCO: 311412

Group C

About this document

- › The following Information Sheet is for your reference only and should be used as a guide to assist with your Skills Assessment application to VETASSESS. This information is subject to change.
- › Please note that a Skills Assessment of the qualification involves assessment of both the qualification level and content. Qualifications are assessed according to the guidelines published by the Australian Government Department of Education.
- › The employment assessment involves determining the skill level and relevance of the tasks undertaken.
- › Integrity checks may be conducted to verify the qualification and employment claims made in an application.

Job description

Collects and tests earth and water samples, records observations and analyses data in support of Geologists or Geophysicists.

Occupations considered suitable under this ANZSCO code:

- › Earth Science Laboratory Technician
- › Geochemical Laboratory Technician
- › Geological Technical Officer
- › Geoscience Laboratory Technician
- › Hydrographer
- › Hydrographical Technical Officer
- › Hydrological Technical Officer
- › Meteorological Observer
- › Seismology Technical Officer
- › Soil Science Technical Officer
- › Water Resources Technical Officer.

A specialisation under this occupation is Patient Transport Officer, who provides non-emergency health care and patient transport services.














Place occupation title here is a VETASSESS Group C occupation

This occupation requires a qualification assessed as comparable to the educational level of an Australian Qualifications Framework (AQF) Diploma or higher.

Applicants can fulfil the assessment criteria for this occupation in four different ways.

Qualification and employment criteria

Applicants must have fulfilled at least one of the following four criteria (1– 4):

GROUP C		Criteria for a positive Skills Assessment			
Post-qualification Pathways					
	Minimum comparable Diploma or higher AQF level*	With highly relevant major field of study	Additional highly relevant qualifications**	Highly relevant employment duration***	
1	 +	 +	N/A	+ 	1 YEAR minimum
2	 +	No highly relevant major	+  Minimum AQF Certificate IV level with highly relevant major	+ 	1 YEAR minimum
3	 +	No highly relevant major	+ No additional highly relevant qualifications	+ 	2 YEARS minimum
Pre-qualification Pathway					
	Highly Relevant employment duration***				Minimum comparable Diploma or higher AQF level*
4	 +  Within last 5 years	+  +	With or without highly relevant major field of study	+ 	

* **AQF Diploma or higher includes:**

- AQF Advanced Diploma
- AQF Associate Degree
- AQF Bachelor Degree
- AQF Graduate Diploma
- AQF Master Degree
- AQF Doctoral Degree

** **Additional qualifications in a highly relevant field of study include those comparable to the following levels:**

- AQF Certificate IV
- AQF Graduate Certificate

*** **Highly relevant paid employment duration (20 hours or more per week)**

Pathways 1–3

minimum years of post-qualification employment highly relevant to the nominated occupation, completed at an appropriate skill level in the five years before the date of application for a Skills Assessment.

Pathway 4

minimum 4 years of relevant employment at an appropriate skill level required – Three years of relevant employment (can be outside the last 5-year period) in addition to at least one year of highly relevant employment within the last five years before applying.

A positive assessment of both qualification level and employment duration is required for a positive Skills Assessment outcome.

Qualification

AQF Diploma or higher qualification. This includes qualifications assessed at AQF Diploma, Advanced Diploma, Associate Degree, Bachelor Degree, Graduate Diploma, Master and Doctoral level.

Core units:

- › Communicate with other people
- › Provide information to customers
- › Process and interpret data
- › Analyse data and report results
- › Use laboratory application software
- › Maintain laboratory/field workplace safety
- › Plan and conduct laboratory/field work
- › Apply quality system and continuous improvement processes.

Electives may be viewed in the PMLO4 Training Package on the NTIS website.

Geoscience is the study of the physical properties of the Earth's crust and the characteristics of its soil, landforms, climate, hydrosphere and atmosphere.

Core units:

- › Atmospheric Stability, Moisture and Motion
- › Climatology
- › Meteorology
- › Coastal and Marine Geoscience
- › Sedimentology
- › Mineralogy
- › Petrology
- › Tectonics
- › Volcanology
- › Electrical Properties of Rocks and Minerals
- › Geomagnetism
- › Petrophysics
- › Seismology
- › Hydrogeochemistry
- › Sediment Geochemistry
- › Soil Nutrient and Water Supply
- › Soils in the Landscape
- › The Soil Environment
- › Soil Mineralogy

- › Flood Estimation Models and Procedures
- › Groundwater Modelling
- › Water Catchments
- › Water Resources
- › Chemical and Physical Properties of Seawater
- › Currents, Waves and Tides
- › Ocean Floor Topography
- › Physical Geography
- › Chemistry
- › Mathematics
- › Physics
- › Biology.

Employment Tasks

Highly relevant tasks include, but are not limited to:

- › Collects and collates information from geological field surveys, seismic surveys, meteorological observations and other earth science surveys
- › Prepares and tests samples
- › Analyses data using methodologies prescribed by earth scientists to interpret survey results
- › Checks, calibrates and maintains testing equipment
- › May investigate various geographical, geophysical or geological specialties such as water resources, climate and weather, mineral extraction, magnetic measures or gravity measurement.



Contact us

Australia

Melbourne (*Headquarters*)

Level 1, 85 Cremorne Street,
Cremorne VIC 3121

E info@vetassess.com.au

P +61 1300 VETASSESS
(1300 838 277)

China

Shanghai

C/o GLC
International Group
Suite 201 A-B
Zhongfu Building
288 Zhaojiabang Road
Shanghai, China

E china@vetassess.com.au

P +86 21 64731935

India

New Delhi

C/o EPR Solutions Pvt. Ltd
115, 1st Floor, Square One
C2-Saket Place
Saket District Centre
New Delhi – 110017

E india@vetassess.com.au

P +91 11 41009213

Saudi Arabia

E SaudiArabia@vetassess.com.au

P + 966 559 55 8394