VETASSESS

Information sheet

Geophysicist

ANZSCO: 234412 **Group A**

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

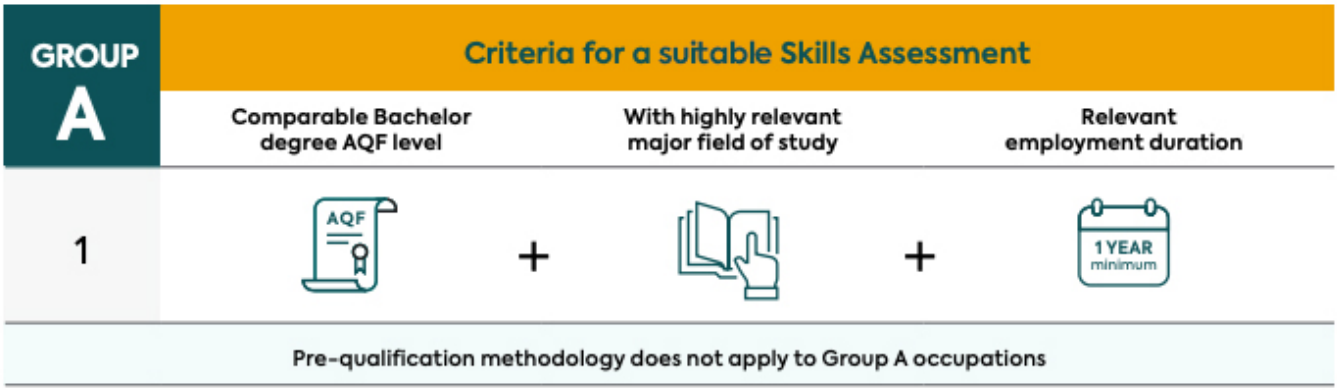
Geophysicist studies the composition, structure, and other physical attributes of the earth, locates minerals, petroleum or ground water, and detects, monitors and forecasts seismic, magnetic, electrical, geothermal and oceanographic activity.

Occupations considered suitable under this ANZSCO code:

- Oceanographer
- Seismologist

Geophysicist is a VETASSESS Group A occupation

This occupation requires a qualification assessed as comparable to the educational level of an Australian Qualifications Framework (AQF) Bachelor degree or higher, in a field highly relevant to the nominated occupation.



The information below describes the available pathways for a Skills Assessment under**Group A**. Please note that in order to achieve a suitable Skills Assessment Outcome, a suitable assessment for both qualifications and employment is required.

Pathway 1

This pathway requires a qualification assessed as comparable to the education level of an Australian Qualifications Framework (AQF) Bachelor degree or higher degree and in a field highly relevant to the nominated occupation.

Bachelor degree or higher degree includes AQF Master Degree or AQF Doctoral Degree.

In addition, it is essential for applicants to meet the following employment criteria:

- at least **one** year of post-qualification employment at an appropriate skill level, undertaken in the last five years,
- working 20 hours or more per week, and
- highly relevant to the nominated occupation.

Qualification

Geophysics is the study of the physical properties of the Earth through collecting and interpreting gravitational, magnetic, seismic and electrical data.

Major fields of study:

- Coastal and Marine Geosciences
- Theoretical Geophysics
- Engineering Physics
- Rock Physics
- Mineral Exploration

Employment Criteria

One year of highly relevant employment completed in the last five years at an appropriate skill level to the nominated occupation. This is not applicable for applicants who are applying for a Skills Assessment to support an application for a 485 Skilled Graduate visa.

ANZSCO tasks include:

- Conducting preliminary surveys of mineral, petroleum and natural gas deposits with prospectors, Mining Engineers, Metallurgists, and other mineral scientists and engineers
- Preparing and supervising the production of laboratory reports and scientific papers
- Conducting studies of the structure, nature and formation of the earth's crust and the minerals contained in it
- Studying and dating fossils and rock strata to develop knowledge of the evolution and biology of life forms, and to assess their commercial applications
- Studying the effects of natural events, such as erosion, sedimentation, earthquakes and volcanic activity, on the formation of the earth's surface and sea beds