VETASSESS

Information sheet

Natural and Physical Science Professionals nec

ANZSCO: 234999 **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

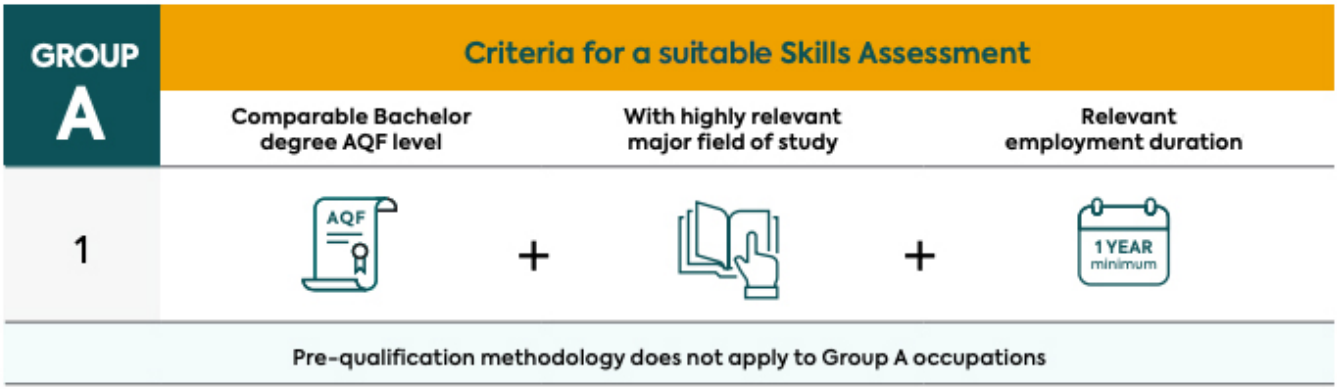
Natural and Physical Science Professionals perform analytical, conceptual and practical tasks in relation to the chemical and physical properties of the universe, life forms including the physiology and biochemistry of humans, animals and plants, environmental factors and agricultural production, disease prevention and the extraction and processing of mineral ores.

Occupations considered suitable under this ANZSCO code:

- Materials Scientist
- Metrologist
- Polymer Scientist
- Respiratory Scientist
- Sleep Scientist

Natural and Physical Science Professionals nec 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.

Important note - natural and physical science professionals nec

Some occupations assessed by VETASSESS are listed as 'nec' which means 'not elsewhere classified'.

If nominating one of these occupations, you must ensure that your qualifications and employment are highly relevant to one of the occupation titles given in the ANZSCO description for the particular occupation. Other specific occupation titles which cannot be found elsewhere in ANZSCO will be considered on a case-by-case basis as long as they are relevant to the 'nec' codes. In order to be assessed against an 'nec' code, your occupation would generally be described as non-classified, yet specialised or related to its ANZSCO Unit Group description. Your employment in these nominated occupations should not better match another ANZSCO code (whether assessed by VETASSESS or not).

When considering whether to nominate an 'nec' occupation, you should consider the sub major group description and determine whether your skills best fit this category. VETASSESS conducts a case-by-case assessment to determine whether the employment can be considered highly relevant to the classification.

If an applicant's employment is highly relevant to another ANZSCO occupation, the same period of employment cannot be assessed suitably against an 'nec' classification, regardless of whether the occupation is available for migration purposes or not.

Specialisations within the Health and Welfare Services Managers nec classification include (but are not limited to): Director of Pharmacy, Director of Physiotherapy Services, Director of Speech Pathology, Manager of Allied Health Services, Disability Services Program Manager. Applicants should provide a cover letter that justifies the rationale for choosing an 'nec' category.

Qualification

Ceramic Science is the study of the properties and uses of non-metallic materials and the technical aspects of their manufacture and processing.

Subjects in this field include:

- Materials Science
- Ceramics
- Metallurgy
- Chemical Engineering
- Chemistry
- Physics
- Structural ceramic materials
- Ceramic processing methods
- Ceramic processing methods
- Fracture mechanics
- Particle engineering

Polymer science is the subfield of materials science concerned with polymers, primarily synthetic polymers such as plastics.

Subjects in this field include:

- Polymer Chemistry
- Macromolecular Chemistry
- Polymer Physics
- Materials science
- Polymer Characterisation
- Engineering
- Chemical synthesis
- Elastomers
- Rubber
- Thermoplastics

In the field of extractive metallurgy, Mineral Processing Engineers transform low value impure minerals, recycled materials and by-products of other processing operations into commercially valuable products.

Subjects in this field include:
- Minerals Industry
- Mineral Processing
- Engineering Materials
- Chemistry
- Calculus and Physics
- Metallurgy
- Rocks, minerals and ores
- Grades, recoveries
- Materials balances
- Liberation
- Comminution (crushing and grinding)
- Screening
- Size classification
- Dry and water-based separation processes
- Dense media separation
- Surface properties of liquids and solids
- Leaching processes
- Screens and centrifuges
- Flocculation and thickening
- Filtration

This occupation 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.

Employment Criteria

Additional tasks may include, but are not limited to:

- Supervises the work of technologists, technicians, and other engineers and scientists

Supporting material for assessment

When applying for a Skills Assessment, please ensure you submit sufficient evidence supporting your proof of identity, qualification and employment claims. A full list of the documents required can be found on the VETASSESS website under Eligibility Criteria.

If you are nominating this managerial occupation, you must submit an organisational chart. This chart should include:

- The company letterhead
- Your job position
- The job positions of your superiors and subordinates as well as all positions reporting to your immediate supervisor and your direct subordinates.

The chart should also indicate the department's location within the overall company structure.

If you are unable to obtain an organisational chart from your employer, you must provide a statutory declaration outlining the required information and the reasons why you cannot provide the information.

Applicants applying for this occupation should provide a cover letter that justifies their rationale for choosing an nec category.