VETASSESS

Information sheet

Environmental Scientists nec

ANZSCO: 234399 **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

Environmental Scientists study, develop, implement and advise on policies and plans for managing and protecting the environment, flora, fauna and other natural resources.

This occupation group covers Environmental Scientists not elsewhere classified.

Occupations considered suitable under this ANZSCO code:

- Environmental Educator
- Soil Scientist

Environmental Scientists 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.

GROUP A	Criteria for a suitable Skills Assessment		
	Comparable Bachelor degree AQF level	With highly relevant major field of study	Relevant employment duration
1	 +	 +	
Pre-qualification methodology does not apply to Group A occupations			

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 - environmental scientists 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

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.

Environmental Science is the study of the relationships between living organisms and the natural, rural, industrial and urban environments. It includes the study of the impact humans have upon the natural environment.

Subjects in this field include:
- Environmental Science
- Biodiversity and Ecology
- Natural Vegetation and Wildlife
- Weather and Climate
- Environment, Technology and Sustainability
- Environmental Management
- Land and Water Management
- Land Conservation
- Soil Conservation
- Land Rehabilitation
- Irrigation
- Natural Resource Inventory and Appraisal
- Environmental Impact Assessment
- Flora and Fauna Management
- Fumigation Techniques
- Integrated Pest and Weed Control
- Pest and Weed Identification
- Plant Disease Control
- Plant Protection Programmes
- Mathematics
- Methods and Statistics
- Physics
- Chemistry
- Cell Biology
- Scientific Research Methods
- Geographical Information Systems
- Earth Surface Processes
- Soil Chemistry
- Soil Physics
- Soil Mineralogy
- Soil Nutrient and Water Supply
- Soil Fertility
- Plant Nutrients
- Morphogenesis
- Hydrology
- Land, Soil and Water Systems
- Land and Water Management
- Land Rehabilitation
- Soil Conservation

Employment Criteria

Highly relevant major tasks include:

- Investigates soil fertility taking into account microbial populations, soil fauna, content of organic matter and presence of nitrogen, oxygen and other elements required for plant growth and productivity
- Studies the physical and chemical properties of soils to determine the potential for plant growth, water absorption capacity, drainage characteristics, acidity, texture and degree of salinity
- Develops soil management practices, and studies their effects on the long-term productivity of soil
- Determines the mineralogy and structure of soil constituents to explain absorption processes
- Investigates the mechanical properties of soils to improve tillage practices
- Studies the influence of soil properties on the amount and chemical content of recharge to ground water tables
- Investigates and advises on soil conservation problems and farming practices to reduce soil erosion and water quality deterioration
- May examine layering and drainage of soils used in foundations for roads, dams, buildings and other structures

Additional tasks may include:

- Carrying out environmental impact assessments for a wide range of development projects
- Proposing solutions to address negative environmental impact
- Studying and analysing pollution, atmospheric conditions, demographic characteristics, ecology, mineral, soil and water samples

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.

Please note in order to achieve a successful Skills Assessment Outcome, a positive assessment for both qualifications and employment is required.

Applicants should include a cover letter that justifies the rationale for choosing an nec category.

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.