VETASSESS

Information sheet

Statistician

ANZSCO: 224116 **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

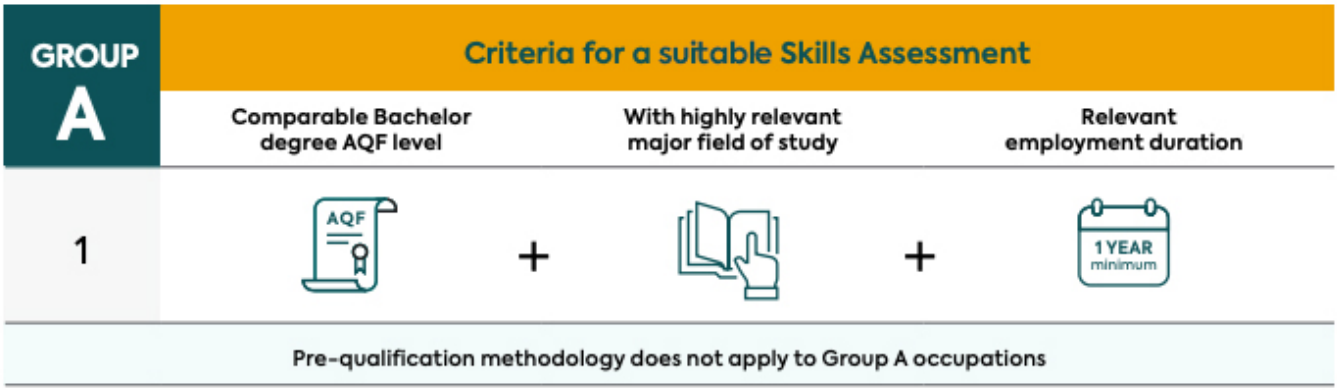
Statisticians design and apply statistical principles and techniques for collecting, organising and interpreting quantifiable data, and use statistical methodologies to produce statistical reports and analyses for government, commercial and other purposes. Registration or licensing may be required.

Occupations considered suitable under this ANZSCO code:

- Biometrician
- Biostatistician
- Demographer
- Epidemiologist

Statistician 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

Qualifications in certain fields such as:

- Business Analytics / Analytics
- Actuarial Studies
- Data Science
- Computer Science
- Economics
- Epidemiology / Bioinformatics

may be accepted on a case by case basis if the program consists of sufficient subjects in Statistics, Statistical techniques, Linear models, Multivariate analysis, Experimental design, Quantitative research methods, Probability estimation, Spatial modelling, Survey design, Time series analysis, Distribution theory and Applied statistics.

Highly relevant fields of study include:

- Statistics
- Business / Financial Statistics
- Biostatistics
- Mathematical Statistics
- Mathematics

Employment Tasks

Highly relevant tasks include, but are not limited to:

- liaising with management and clients to determine the subject or area to be surveyed or examined
- specifying the data to be collected, and the methodology to be used in collection and analysis
- evaluating and describing the reliability and utility of source information
- analysing and interpreting data, and producing relevant statistics to describe and infer particular trends and patterns

Additional tasks may include:

- ABS/ASCO reports on findings, arranges presentation of results
- ABS/ASCO reports significant differences in relationships among sources of data
- ABS/ASCO assists with the selection or development of data collection instruments such as survey questionnaires
- ABS/ASCO likely to assist in the development of statistical computer programs