VETASSESS

Information sheet

Biochemist

ANZSCO: 234513

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

A Biochemist studies the biochemistry of living organisms and the molecular structure and function of related components.

Occupations considered suitable under this ANZSCO code:

- Enzyme Chemist
- Protein Chemist

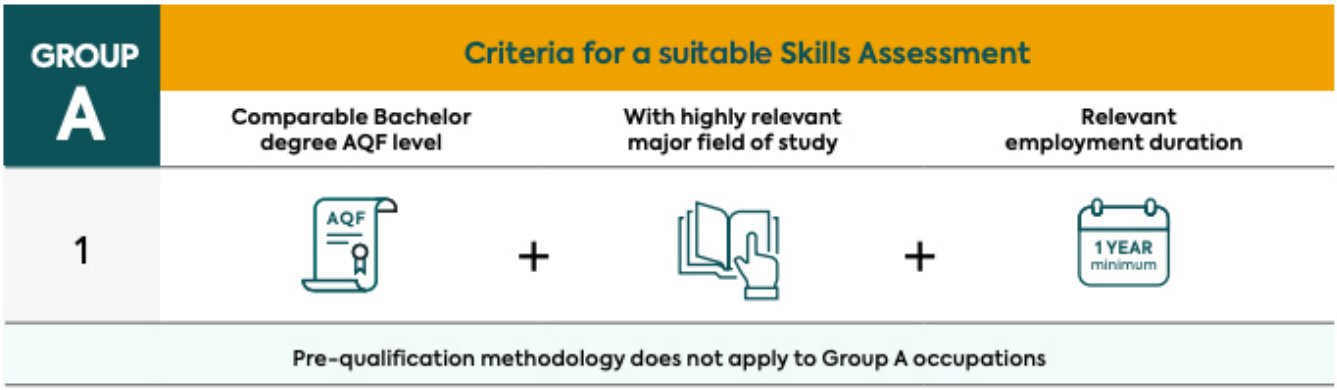
Occupations not considered under this ANZSCO code:

- Microbiologist
- Industrial Pharmacist
- Chemistry Technician
- Biotechnologist

These occupations are classified elsewhere in ANZSCO or are not at the required skill level.

Biochemist 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

This includes qualifications assessed at AQF Bachelor, Master and Doctoral level.

On a case-by-case basis, a general Chemistry degree may be assessable as highly relevant, where an applicant's subsequent employment is highly relevant to the occupation of Biochemist.

Highly relevant major fields of study include:

- Biochemistry
- Biomedical Science
- Molecular Biology
- Environmental Chemistry

Employment

Highly relevant tasks include, but are not limited to:

- Investigating the chemical structure and function of living cells and their isolated components, organs and tissues in humans, animals, plants, and micro-organisms
- Designing and conducting experiments, making observations and measurements, researching information, analysing data, preparing or supervising the preparation of laboratory reports and scientific papers, presenting findings at scientific meetings and conferences, and supervising the work of staff.

Additional tasks may include:

- Studying the chemical events involved in physiological processes
- Isolating and identifying enzymes, hormones, metabolites and other substances produced by living cells or tissue
- Investigating the roles of vitamins, hormones and minerals and the effects of toxic substances on physiological processes
- Preparing or supervising the preparation of laboratory reports and scientific papers
- May supervise the work of technical officers and technicians.

Employment Information

A biochemist studies the chemical and physical principles of living things and of biological processes such as cell development, growth, and heredity. Biochemists who do applied research develop products and processes that improve our lives. For example, in medicine, biochemists and biophysicists develop tests used to detect diseases, genetic disorders, and other illnesses.

A biochemist will also use electron microscopes, lasers, and other laboratory instruments and equipment to carry out their research. They use advanced technologies to conduct scientific experiments and analysis. Most biochemists work on research teams.

Research projects are often interdisciplinary, and biochemists frequently work with experts in other fields, such as physics, chemistry, computer science, and engineering.

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.

You may provide additional evidence supporting your role, such as summary briefs for grant applications or similar projects, research articles or conference proceedings, laboratory reports, patents and list of research projects outlining your responsibilities.