

Information sheet



CHEMIST

(ANZSCO Code: 234211)

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, Skills and Employment.
- » 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 Chemist studies the chemical and physical properties of substances, and develops and monitors chemical processes and production.

Occupations considered suitable under this ANZSCO code:

- » Analytical Chemist
- » Industrial Chemist
- » Quality Control Chemist

Occupations not considered under this ANZSCO code:

- » Industrial Pharmacist
- » Pharmacist (Non-clinical)
- » Food Technologist
- » Chemistry Technician

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

Chemist 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. Applicants must also have at least one year of highly relevant, post-qualification employment, at an appropriate skill level completed in the last five years.

Applicants will not meet the required skill level if:

- » The qualification(s) are not at the required educational level
- » The qualification(s) are not in a highly relevant field of study
- » The employment has been completed prior to the completion of the qualification.

A positive assessment of both qualifications and employment is required for a positive Skills Assessment outcome.






Quality
ISO 9001



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Qualification and employment criteria

GROUP A	Criteria for a positive 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			

** Highly relevant paid employment duration (20 hours or more per week):

One year of post-qualification paid employment (20 hours or more per week) highly relevant to the nominated occupation, at an appropriate skill level in the last five years before the date of application for a Skills Assessment.

Qualification

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

Highly relevant major fields of study include:

- » Science (Chemistry major)
- » Chemistry
- » Medicinal Chemistry
- » Applied Chemistry
- » Biochemistry

The qualifications listed below, with a major in Chemistry, may be assessed as highly relevant on a case-by-case basis. A major in Chemistry would include subjects such as analytical, physical, organic and inorganic chemistry with an additional focus on modern applications such as nanotechnology, analytical and environmental chemistry, polymer science and surface science.

- » Forensic Science
- » Biotechnology
- » Nanotechnology
- » Pharmaceutical Science.

Employment

Highly relevant tasks include, but are not limited to:

- » Conducting experiments and tests to identify the chemical composition and reactive properties of natural substances and processed materials
- » Analysing and conducting research to develop theories, techniques and processes, and testing the reliability of outcomes under different conditions
- » Developing practical applications of experimental and research findings.

Additional tasks may include:

- » Developing procedures, instruments, recording and testing systems to be used in experiments
- » Developing and monitoring quality control procedures for the manufacture of products in plants or factories
- » Preparing or supervising the preparation of laboratory reports, scientific papers and reports on specifications and standards
- » May supervise and coordinate the work of technicians
- » May test products or materials to ensure compliance with government health laws, and standards of quality and purities
- » May use micro-organisms to convert substances into new compounds.



Employment Information

Chemistry (or Chemical Sciences) is the study of the composition, structure, chemical reactions and transformations of matter.

A Quality Control Chemist is a specific type of laboratory chemist, whose primary duties are to develop and update standard operating procedures, measure and test lab materials and products according to industry-specific standard procedures. As a Quality Control chemist, you assure adherence to all federal regulations and safety procedures. In addition to performing rigorous quality assurance of samples, some Quality Control chemists are responsible for calibrating and performing maintenance on lab equipment.

This occupation should not be confused with that of ANZSCO 251512 Industrial Pharmacist, an occupation that involves undertaking research, testing and analysis related to the development, production, storage, quality control and distribution of drugs and related supplies.

Supporting material for assessment

When applying for a Skills Assessment, please ensure you submit sufficient evidence supporting 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 brief for grant applications or similar project, research articles or conference proceedings, laboratory reports, patents and list of research projects outlining your responsibilities.

