VETASSESS

Information sheet

Civil Engineering Technician

ANZSCO: 312212 **Group C**

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

Civil Engineering Technicians conduct tests of construction materials, prepare sketches and tabulations, and assist in estimating costs in support of Civil Engineering Professionals and Engineering Technologists.

Occupations considered suitable under this ANZSCO code:

- Civil Engineering Assistant
- Civil Laboratory Technician
- Geotechnical Laboratory Technician
- Transportation Engineering Technician (not covered by the ANZSCO)

Occupations not considered under this ANZSCO code:

- Architectural Draftsperson
- Building Associate
- Building Inspector
- Civil Engineering Draftspersons
- Civil Engineer
- Geotechnical Engineer
- Geologist
- Mechanical Engineer Technician

These occupations are classified elsewhere in ANZSCO.

Civil Engineering Technician is a VETASSESS Group C occupation

This occupation requires a qualification assessed as comparable to the educational level of an Australian Qualifications Framework (AQF) Diploma or higher, in a field highly relevant to the nominated occupation.

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

GROUP C	Criteria for a positive Skills Assessment							
	Post-qualification Pathways							
	Minimum comparable Diploma or higher AQF level		**With highly relevant major field of study**		**Additional highly relevant qualifications**		**Highly relevant employment duration**	
1	AQF	+		+	N/A	+	1 YEAR minimum	
2	AQF	+	No highly relevant major	+	Minimum AQF Certificate IV level with highly relevant major	+	1 YEAR minimum	
3	AQF	+	No highly relevant major	+	No additional highly relevant qualifications	+	2 YEARS minimum	
	Pre-qualification Pathway							
	Highly Relevant employment duration						**Minimum comparable Diploma or higher AQF level**	
4	3 YEARS minimum + 1 YEAR minimum (Within last 5 years)	+			With or without highly relevant major field of study	+	AQF	

Description of Pathways

The information below describes the available pathways for a Skills Assessment under **Group C** . Please note that in order to achieve a successful 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) Diploma or higher and in a field highly relevant to the nominated occupation.

Diploma or higher includes AQF Advanced Diploma, Associate Degree, Bachelor Degree, Graduate Diploma, Master Degree or 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.

Pathway 2

This pathway requires a qualification assessed as comparable to the education level of an Australian Qualifications Framework (AQF) Diploma or higher and in a field not highly relevant to the nominated occupation.

Diploma or higher includes AQF Advanced Diploma, Associate Degree, Bachelor Degree, Graduate Diploma, Master Degree or Doctoral Degree.

An additional qualification in a highly relevant field of study at a minimum AQF Certificate IV level is required. Additional qualifications in a highly relevant field of study include those comparable to the AQF Certificate IV.

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.

For example, an applicant for the occupation Program or Project Administrator completed a non-relevant AQF Diploma qualification in April 2024 and later completed an AQF Certificate IV in Project Management in May 2026. The applicant commenced employment with the organisation in May 2024 and remains employed there.

Under Pathway 2, the applicant satisfies the minimum educational requirement for a Group C occupation through the AQF Diploma qualification. Accordingly, employment is counted from the completion date of the Diploma qualification, meaning employment from May 2024 onwards may be considered toward both the required Qualifying Period (QP) and any remaining eligible period for the points test.

As the later Certificate IV qualification is highly relevant to the occupation, the applicant may access the reduced employment requirement applicable under Pathway 2. In this case, only one year of QP is required, and that employment may be counted from the post-Diploma period rather than from the Certificate IV qualification completion date.

Pathway 3

This pathway requires a qualification assessed as comparable to the education level of an Australian Qualifications Framework (AQF) Diploma or higher and in a field not highly relevant to the nominated occupation.

Diploma or higher includes AQF Advanced Diploma, Associate Degree, Bachelor Degree, Graduate Diploma, Master Degree or Doctoral Degree.

In addition, it is essential for applicants to meet the following employment criteria:

- at least **two** years 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.

Pathway 4

This pathway requires a qualification assessed as comparable to the education level of an Australian Qualifications Framework (AQF) Diploma or higher with or without a highly relevant major field of study to the nominated occupation.

Diploma or higher includes AQF Advanced Diploma, Associate Degree, Bachelor Degree, Graduate Diploma, Master Degree or Doctoral Degree.

In addition, it is essential for applicants to meet the following employment criteria:

- at least **four** years of employment at an appropriate skill level that includes at least **one** year of highly relevant employment within the last five years before applying,
- working 20 hours or more per week, and
- highly relevant to the nominated occupation.

Qualification

Qualifications in certain engineering fields may be accepted on a case by case basis if the program consists of compulsory subjects in mathematics and physical sciences, and has sufficient competencies in Structure, Materials Testing, etc.

Highly relevant major fields of study include:

- Civil Engineering
- Engineering Drafting - Civil Design

Employment

Highly relevant tasks may include, but are not limited to:

- Collecting and analysing data, and carrying out computations.
- Estimating material costs and ensuring finished works are within specifications, regulations and contract provisions.
- Inspecting civil engineering works, and organising and supervising maintenance and repair work.
- Conducting field and laboratory tests of construction materials and soils, and collecting data for traffic surveys.
- Testing and evaluating construction materials.
- Outlining work programs and reviewing these for accuracy, adequacy and feasibility.
- Setting up technical instruments used to collect data (geotechnical).
- Drilling and taking soil samples and collecting rock samples (geotechnical).
- Reviewing aerial photographs (geotechnical).
- Taking measurements, making calculations and writing detailed notes (geotechnical).

Employment context

Categories of acceptable employment contexts include (but are not limited to):

- Engineering consultancy firm (specialised in structural/civil services/transport/environmental/waste management).
- Construction company.
- Building and Construction materials manufacturer.
- Geotechnical engineering firm.
- Geotechnical laboratory.
- Government authority within a relevant department.
- Utility authority within a relevant department.

Employment information

In order to be considered as a Civil Engineering Technician, the position must be supporting Civil Engineering Professionals and Engineering Technologists in construction materials testing, preparation of sketches and tabulations, as well as planning, designing and overseeing the construction and maintenance of buildings, roads and other infrastructure civil engineering projects. They may assist with estimating costs, preparing timetables and planning the specifications for materials needed for projects.