

SRGO Occupational Information Sheet
CIVIL ENGINEERING DRAFTSPERSON
(ANZSCO Code: 312211)



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 and Training.

The skills 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 Draftspersons prepare detailed drawings and plans for civil engineering work in support of Civil Engineering Professionals and Engineering Technologists. Registration or licensing may be required.

Specialisations:

- Civil Engineering Design Draftsperson
- Plumbing Engineering Draftsperson
- Road Design Draftsperson
- Sewage Reticulation Drafting Officer
- Structural Engineering Drafting Officer
- Hydraulic Engineering Draftsperson
- Transport Engineering Draftsperson

Occupations not considered under this ANZSCO code:

- Architectural Draftsperson
- Building Associate
- Civil Engineering Technician
- Civil Engineers
- Electrical Engineering Draftsperson
- Mechanical Engineer Technician

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These occupations are classified elsewhere in ANZSCO.

Requirements for Skills Assessment

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.

If the qualification is in a highly relevant field to the occupation, then at least one year of highly relevant post-qualification employment at an appropriate skill level, completed in the last five years is required.

If the qualification is not in a highly relevant field, two years of highly relevant employment at an appropriate skill level, completed in the last five years is required. This is reduced to one year if there is an additional qualification at least at AQF Certificate IV level in a highly relevant field.

If employment is pre-qualification, then three additional years of highly relevant employment are required. This is in addition to one year of highly relevant employment within the past five years.

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

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Qualification

AQF Diploma or higher

Highly relevant major fields of study include:

- Civil Engineering
- Engineering Drafting - Civil Design

Qualifications in certain engineering fields may be accepted on a case-by-case basis if the program consists of sufficient subjects in Structure, Materials, Drafting / Drawing and core subjects in their respective specialised fields.

Employment

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

- assisting a Civil / Structural Engineer in preparing documentation for works such as drainage, water supply, sewerage reticulation systems, stormwater, roads, airports, dams, bridges and other structures
- preparing drawings such as sketches and documentation
- prepares specifications
- carries out surveys and prepares survey reports
- ability to use specific computer software or hand drawings to complete relevant tasks
- assists in programming the work, checking materials
- may inspect works onsite
- may organise and supervise maintenance and repair work of plumbing and water supply systems
- designs sanitary plumbing and water supply systems including fire service systems
- maintains close contact with construction workers and project managers

Employment context

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

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- Engineering consultancy firm (may specialise in structural / civil works / transport / hydraulic / fire services / environmental / waste management / site preparation / geotechnical / coastal)
- Construction / Demolition
- Off-site modular / pre-fabrication company (e.g. precast concrete manufacturer)
- Landscape design consultancy firm
- Government authority within a relevant department
- Utility authority within a relevant department

Employment information

In order to be considered as a Civil Engineering Draftsperson, the position must be involved with the preparation and execution of drawings in the form of sketches and documentation, as well as charts and tabulations under the supervision of a Civil Engineer. The drawings should be created with the intent to allow contractors to prepare a tender price for the works, and be able to use the drawings in order to build civil / structural engineering projects.