

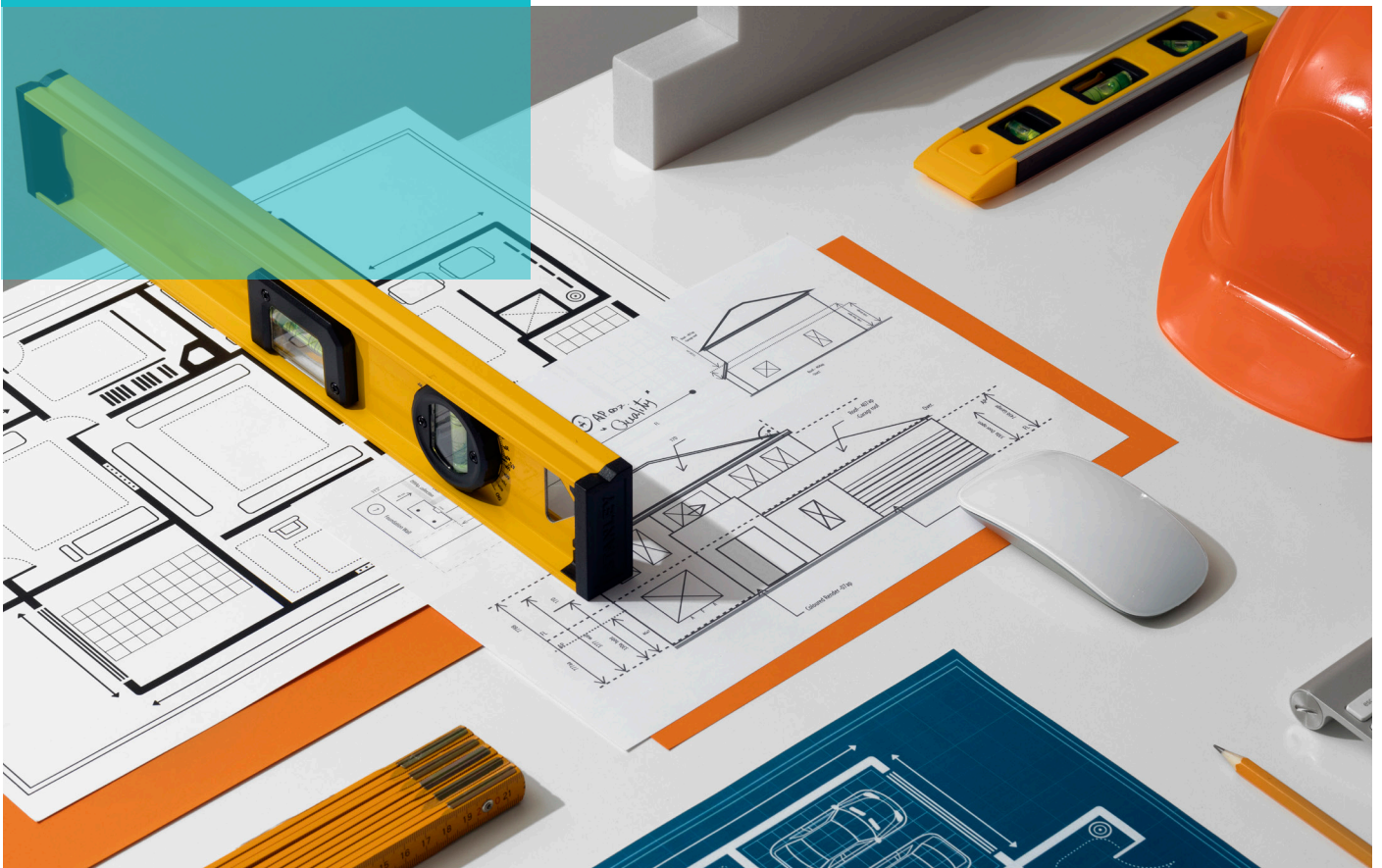
Federation Academy



RTO No: 52785 | CRICOS No: 03980A

Course Outline

**RII60520 Advanced Diploma of Civil
Construction Design**



Course Information

Qualification Code	RII60520
Qualification Name	Advanced Diploma of Civil Construction Design
Qualification Specialisation	N/A
CRICOS Course Code	113935B
Duration in Weeks (92)	78 Study Weeks + 14 Holiday Weeks
CRICOS Provider	#03980A
RTO Code	52785
Provider Name	Federation Academy
Delivery Location/s	Brisbane Level 3, 160 Edward Street Brisbane Q 4000 Adelaide Level 4 117 King William St, ADELAIDE, SA, 5000 Cairns 58-70 Lake St, CAIRNS CITY, QLD, 4870

What is this course about?

This qualification has been designed to reflect the role of individuals as a senior civil works designer or a para-professional designer, who supports professional engineers. They perform tasks that are broad, specialised, complex and technical and include strategic areas and initiating activities. They are responsible for the design of complex projects to ensure the implementation of the client's site requirements and are required to demonstrate self-directed application of theoretical and technical knowledge and initiate solutions to technical problems or management requirements.

Licensing, legislative, regulatory and certification requirements that apply to this qualification can vary between states, territories and industry sectors. You should check each State's requirements applying the qualification. For example, in Queensland, QBCC Licensing requirements for building design vary based on the type of building work undertaken.

Currently there are 3 types of Building Design License that align with employment as a Draftsperson in Queensland. These are:

- Building design - open
- Building design - medium rise
- Building design - low rise

You can get further information on the licensing requirements by referring to the Queensland Building and Construction Commission Fact Sheet - Building Designer Licensing Requirements for up-to-date information. <https://www.qbcc.qld.gov.au/sites/default/files/documents/guide-building-designer-licensing-requirements.pdf>

What do I get out of this course?

The elective choice and course structure is designed to empower international students to establish long term careers Civil Construction and Drafting. This program provides a comprehensive exposure to interacting with key stakeholders and managing and interacting in Civil Construction Design Projects. Employment Outcomes and Job Roles vary across different Industry Sectors.

Possible vocational outcomes for this qualification may include: This qualification is designed to reflect the role of employees who perform positions such as:

- Civil Engineering Construction Supervisor
- Civil Engineering Draftsperson
- Civil Engineering Design Draftsperson
- Civil Engineering Technician
- Senior Civil Works Designer



What do I need to apply?

The following requirements apply to entry into this qualification:

1. Age 18+
2. IELTS 6.0 or equivalent English proficiency
3. Completed high school Year 12, or equivalent.
4. Experience with computer-aided design (CAD) systems to produce basic drawings.

Refer to the Federation Academy Enrolment Form for further information regarding possible enrolment requirements.



Who is this course for?

This qualification has been designed to cater to the needs of a variety of student candidates, including but not limited to the following:

- CRICOS (international) candidates seeking to find employment as a draftsperson in the Resources and Infrastructure Industry (RII) in the fields of Civil Engineering or Construction Design,
- CRICOS (international) candidates who have previously completed lower-level RII OR MEM qualifications in Australia.
- CRICOS (international) candidates who have previously worked in or completed ICT or Managerial qualifications in a non-RII related field and wish to transition into a new industry.
- Adult learners, most learners are 18-45 years of age, but age is not limited in the target group.
- Are interested in obtaining employment in drafting or allied para-professional positions in the RII sector, in either Australia or their country of origin.
- Those who have worked in the RII sector in other roles/allied roles and now wish to expand their skillset to include drafting skills.

What **career path** does this course follow?

Educational Pathways into the Qualification / Skill set

Student's pathway may include.

- Completion of previous courses such as:
 - » Certificate III in Civil Construction
 - » Certificate IV in Civil Construction Design
 - » Certificate IV in Engineering Drafting
 - » Diploma of Applied Technologies
 - » Diploma of Civil Construction Design

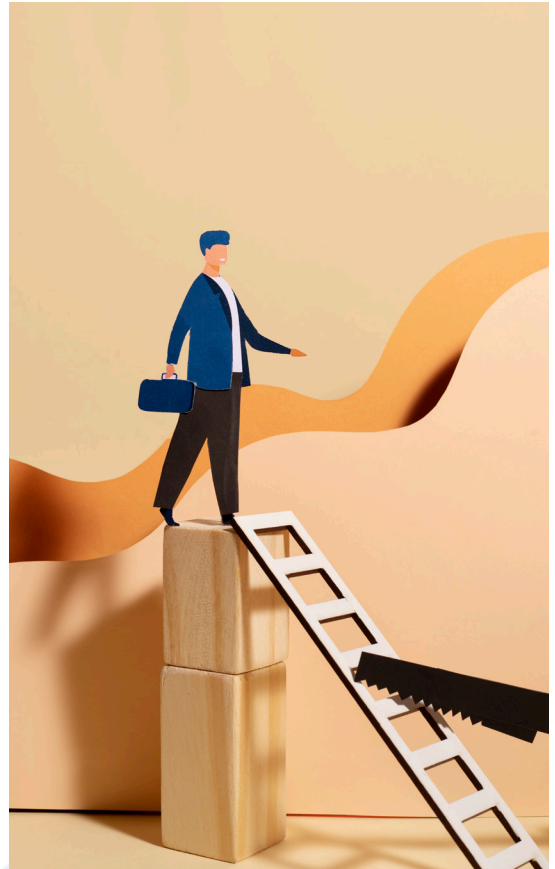
Educational Pathways into the Qualification / Skill set

Related/Potential Allied Pathways

- Advanced Diploma of Building and Construction (Management)
- Advanced Diploma of Engineering

Higher Education Level Qualifications in:

- » Engineering
- » Civil Construction

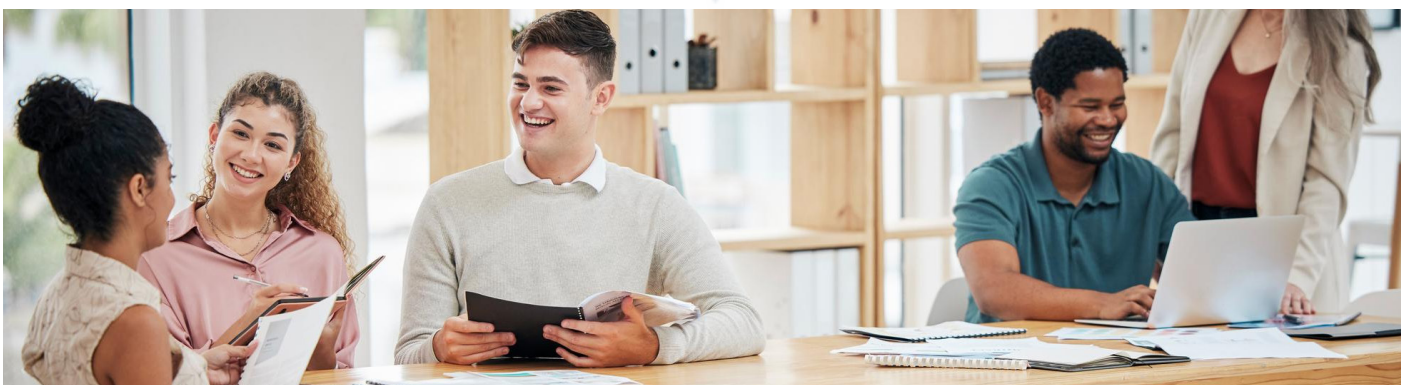


How is this **course trained and assessed?**

Training has been designed to be progressive and step-based to provide the skills and knowledge required for the training product. The course is designed to provide the skills and knowledge in a practical and theory-based approach to meet the needs of the cohort, who have little experience working in a managerial level in the Civil Construction Design or Civil Drafting. Training is conducted in a continuous intense classroom and simulated workplace environment. Students are required to attend class a minimum of 20 hours per week over the seventy-eight (78) study weeks. All training material is available to students 24/7 on the Federation Academy LMS. All assessments are submitted and assessed via the LMS.

The program has been separated into Seven (7) study blocks and the electives have been chosen to allow students to undertake Communication and Project management units in addition to developing detailed civil designs and managing a Civil Works Design process.

Ongoing trainer support and training is provided by direct face to face contact with trainers and assessors thought out the training products delivery. Each trainer is also contactable by email to help students.



Qualification Structure

C/E	Unit Code – Unit Title	Study Weeks
E	BSBCRT611 Apply critical thinking for complex problem solving	6
C	BSBTWK502 Manage team effectiveness	4
E	BSBCMM511 Communicate with influence	4
E	BSBPMG530 Manage project scope	4
E	BSBPMG537 Manage project procurement	4
C	BSBPMG632 Manage program risk	4
C	BSBWHS616 Apply safe design principles to control WHS risks	6
C	RIIQUA601E Establish and maintain a quality system	8
C	RIICWD601E Manage civil works design processes	8
E	RIICWD509E Prepare detailed design of urban roads	10
E	RIICWD535E Prepare detailed design of civil timber structures	10
E	RIICWD533E Prepare detailed design of civil concrete structures	10
	Total Study Weeks	78

