

Become a civil designer

Kickstart your career as a Department of Transport and Main Roads' cadet!

As a civil designer with the Department of Transport and Main Roads (TMR), you will contribute to infrastructure and construction projects by working in a team environment supporting professional engineers to provide design and technical support from project inception to completion.

What does a civil designer do?

Civil designers use project management practices to deliver designs which is achieved using computer-aided design and drafting (CADD) programs. These are used to produce scale drawings from project models for construction projects.

TMR projects often involve the design and drafting of bridges, earthworks, retaining structures, drainage, intelligent transport systems and traffic management.

As a civil designer, you'll be part of a multidisciplinary engineering design team. You'll also work with staff across TMR, including contractors, project planners and teams delivering projects on the ground.

You can also contribute to the preparation of contract documents, determining construction costs, safety in built infrastructure, awareness of cultural heritage, impacts on the environment, and ensuring the needs of the community are considered.

You'll also have opportunities to assess the needs of the state-controlled road and infrastructure network to ensure it meets public expectations. This includes presenting road planning and design recommendations to the community, service providers and other stakeholders.

Personal requirements for a civil designer

Generally, civil designers are interested in preparing technical drawings and using CADD software. They enjoy problem solving, applying analytical skills, and have an interest in benefiting society by putting the community first, and are willing to suggest new ideas and unleash their potential.

What do I need to do?

To be eligible for a civil design cadetship, you must be:

- studying or eligible for enrolment with an Australian tertiary institution to complete an Associate Degree in Civil Engineering, or equivalent qualification, accredited under the Dublin Accord
- an Australian citizen or live in Australia with permission under a Commonwealth law to work in Australia.

Qualifications

- [TAFE – Associate Degree in Civil Engineering](#)
- [UniSQ – Associate Degree of Engineering \(Civil Engineering\)](#)
- [CQU – Associate Degree of Engineering \(Civil\)](#)

Need more information?

Find out more about the TMR Cadetship Program here: tmr.qld.gov.au/cadetships.

