

POSITION DESCRIPTION

Position Title:	Senior Civil Infrastructure Engineer
Organisation Unit:	Property and Facilities
Position Number:	
Type of Employment:	Continuing, full-time
Classification:	HEW 9

THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) contributes positively to society by engaging in the creation, preservation, transfer and application of knowledge. UQ helps shape the future by bringing together and developing leaders in their fields to inspire the next generation and to advance ideas that benefit the world. UQ strives for the personal and professional success of its students, staff and alumni. For more than a century, we have educated and worked with outstanding people to deliver **knowledge leadership for a better world**.

UQ ranks in the world's top universities, as measured by several key independent ranking, including the CWTS Leiden Ranking (32), the Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (42), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). Excluding the award component, UQ is now ranked 45th in the world in the ARWU, and is one of the only two Australian universities to be included in the global top 50.

UQ has an outstanding reputation for the quality of its teachers, its educational programs and employment outcomes for its students. Our students remain at the heart of what we do. The UQ experience – the UQ Advantage – is distinguished by a research enriched curriculum, international collaborations, industry engagement and opportunities that nurture and develop future leaders. UQ has a strong focus on teaching excellence, winning more national teaching excellence awards than any other in the country and attracting the majority of Queensland's highest academic achievers, as well as top interstate and overseas students.

UQ is one of Australia's Group of Eight, a charter member of edX and a founding member of Universitas 21, an international consortium of leading research-intensive universities.

Our 52,000-plus strong student community includes more than 16,400 postgraduate scholars and more than 15,400 international students from 135 countries, adding to its proud 250,000-plus alumni. The University has more than 6,600 academic and professional staff (full-time equivalent) and a \$1.75 billion annual operating budget. Its major campuses are at St Lucia, Gatton and Herston, in addition to teaching and research sites around Queensland and Brisbane city. The University has six Faculties and four University-level Institutes. The Institutes, funded by government and industry grants, philanthropy and commercialisation activities, have built scale and focus in research areas in neuroscience, biomolecular and biomedical sciences, sustainable minerals, bioengineering and nanotechnology, as well as social science research.

UQ has an outstanding track-record in commercialisation of our innovation with major technologies employed across the globe and integral to gross product sales of \$11billion+ (see <http://uniquest.com.au/our-track-record>).

UQ has a rapidly growing record of attracting philanthropic support for its activities and this will be a strategic focus going forward.

Organisational Environment

The Property & Facilities Division (P&F) is responsible for delivering comprehensive facilities operations to the University community by using integrated systems and services to support the University's teaching and learning, research endeavours and strategic objectives. To achieve this, and to further improve the environment in which members of the University community study, work and live, P&F provide a range of services of Campus Operations, Infrastructure and Sustainability, Planning and Property and Project Delivery.

P&F's Infrastructure & Sustainability Section have gained significant recognition for the environmental sustainability initiatives they have been implemented across the University.

The Infrastructure Office is responsible for campus infrastructure planning and augmentation, technical input and control across the range of engineering services including: civil, electrical, mechanical, and hydraulics. In addition, it maintains the Division's digital models, drawings and records of the built and natural environments covering the buildings and grounds.

The Energy Office within the section are responsible for developing strategies to minimise energy consumption on campus, managing energy efficiency and renewal energy projects and initiatives such as UQ Solar and the power-generated photovoltaic live data feed as well as promoting energy awareness to the University community.

The Sustainability Office manages the University's Environmental Management System and promotes best environmental practice at UQ. It also provides a range of sustainability support and advisory services to the University community.

For further information on information on sustainability study options, UQ's research in the area of sustainability, partnerships with community industry and government, and the University's carbon management strategy you are encouraged to visit <https://sustainability.uq.edu.au/home>

Further information about the Property and Facilities Division may be accessed on the Division's web site at <http://www.pf.uq.edu.au>

Information for Prospective Staff

Information about life at UQ including staff benefits, relocation and UQ campuses is available at - <http://www.uq.edu.au/current-staff/working-at-uq>

DUTY STATEMENT

Primary Purpose of Position

The Senior Civil Infrastructure Engineer is responsible for the strategic asset management, campus infrastructure planning and augmentation of all Civil, Structural and Hydraulic engineering systems across the University.

Duties

Duties and responsibilities include, but are not limited to:

- Lead the strategic, civil/structural/hydraulic engineering, asset management for the University and take responsibility for updating the civil/structural/hydraulic engineering portion of the Strategic Asset Management Plan SAMP and developing and cost estimating the annual asset replacement program of works. This will also require technical oversight and lifecycle management to ensure stability and high levels of availability of civil/structural/hydraulic infrastructure. Proactively seek out and instigate opportunities for the improvement or optimisation of campus civil/structural/hydraulic infrastructure.
- Lead the civil/structural/hydraulic engineering systems infrastructure planning, forecasting utilisation and augmentation for each University campus and site.
- Provide effective leadership and management to all staff including guidance, feedback, and coaching on complex operational, stakeholder or technical issues to help improve the capability and performance of the team.
- Provide overall performance management of the team, ensuring clear accountabilities, objectives and metrics are in place, and ongoing coaching and feedback is focused on achieving continuous improvement and a performance culture.
- Work with team members to establish individual development plans focused on building customer service capability and technical skills and to support career planning.
- Provide expertise and technical leadership relating to the University's civil/structural/hydraulic infrastructure as the subject matter expert.
- Establish, document, and promulgate civil/structural/hydraulic engineering design standards, policies and procedures for the University.
- Work with project managers to coordinate and plan project tasks and resources within the Asset Replacement program.
- Collaborate with and provide technical support to the Energy and Sustainability Office's Energy Management, Environment and Sustainability Programs plus water/gas metering.
- Provide direction on the Section's structural and hydraulic minor works and contribute to the Site Works and Site Services programs and budgets.
- Provide expert, high level support to the University's capital works program and Soft Landings Framework including project briefing, design review, construction inspections, handover, aftercare and lessons learnt.
- Participate in relevant committees and working groups to ensure UQ's civil/structural/hydraulic infrastructure objectives are being championed.
- Liaise, negotiate and collaborate with government agencies and other external stakeholders with regard to civil/structural/hydraulic infrastructure issues on behalf of the University.

- Maintain and enhance your professional knowledge to continuously improve the University soft landing process and procedures.
- Commitment to upholding the University's values, and with the outstanding personal qualities of openness, respectfulness and integrity.
- Any other duties as reasonably directed by your supervisor.

Other

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:

- the [University's Code of Conduct](#)
- requirements of the Queensland occupational health and safety (OH&S) legislation and related [OH&S responsibilities and procedures](#) developed by the University or Institute/School
- the adoption of sustainable practices in all work activities and compliance with associated legislation and related University [sustainability responsibilities and procedures](#)
- requirements of the Education Services for Overseas Students Act 2000, the National Code 2007 and associated legislation, and related [responsibilities and procedures](#) developed by the University

Organisational Relationships

The position reports to the *Associate Director, Infrastructure & Sustainability* who in turn reports to the *Director, Property & Facilities*.

SELECTION CRITERIA

Essential

- Qualifications and training equivalent to a postgraduate qualification in a civil or hydraulic engineering related field and extensive relevant experience in the civil and hydraulic engineering disciplines; or extensive management experience and proven management expertise; or an equivalent combination of relevant experience and/or education/training.
- Demonstrable experience in strategic asset management of civil/structural/hydraulic engineering infrastructure with the ability to: forecast utilization; plan for lifecycle replacement/augmentation and determine a program of work.
- Demonstrable knowledge of civil/structural/hydraulic engineering systems at subject matter expert level with the ability to prepare briefs, carry out design review, construction inspections and problem solve civil/structural/hydraulic issues that arise.
- Extensive practical knowledge, understanding and application of relevant Workplace Health and Safety legislation.
- Proven financial planning and management skills with the ability to prepare, monitor and manage budgets.
- Demonstrable knowledge of hydraulic Facilities Management computer systems.
- Excellent interpersonal, communication and negotiation skills, with the ability to explain/present complex information, influence others, consult and coordinate across multiple groups.
- Demonstrable experience of successful leadership to coordinate multiple stakeholders with the ability to motivate, develop and lead performance in others and be able to negotiate and persuade at project level.
- Proven ability to work autonomously, to show initiative, be proactive, willing to work flexibly, prioritise work under pressure plus being able to work in a team to form strong working relationships with the P&F Sections and with internal and external stakeholders.

Desirable

- Professional membership and/or registration of an appropriate professional body/board (e.g. Engineers Australia, BPEQ).

The University of Queensland values diversity and inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the University's Diversity and Inclusion webpage (<http://www.uq.edu.au/equity>) for further information and points of contact if you require additional support.

Accessibility requirements and/or adjustments can be directed to UQ Recruitment on recruitment@uq.edu.au