



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA



School of Civil Engineering
PRESENTER



A world-leading university

43

Performance
Ranking of
Scientific Papers

51

QS World
University
Rankings

52

*U.S. News Best
Global
Universities*

55

Academic Ranking
of World
Universities

60

*Times Higher
Education World
University Ranking*

A world-leading university



STUDENTS

51,000+



INTERNATIONAL STUDENTS

13,300+



POSTGRADUATE STUDENTS

14,700+



PHD GRADUATES

12,500+



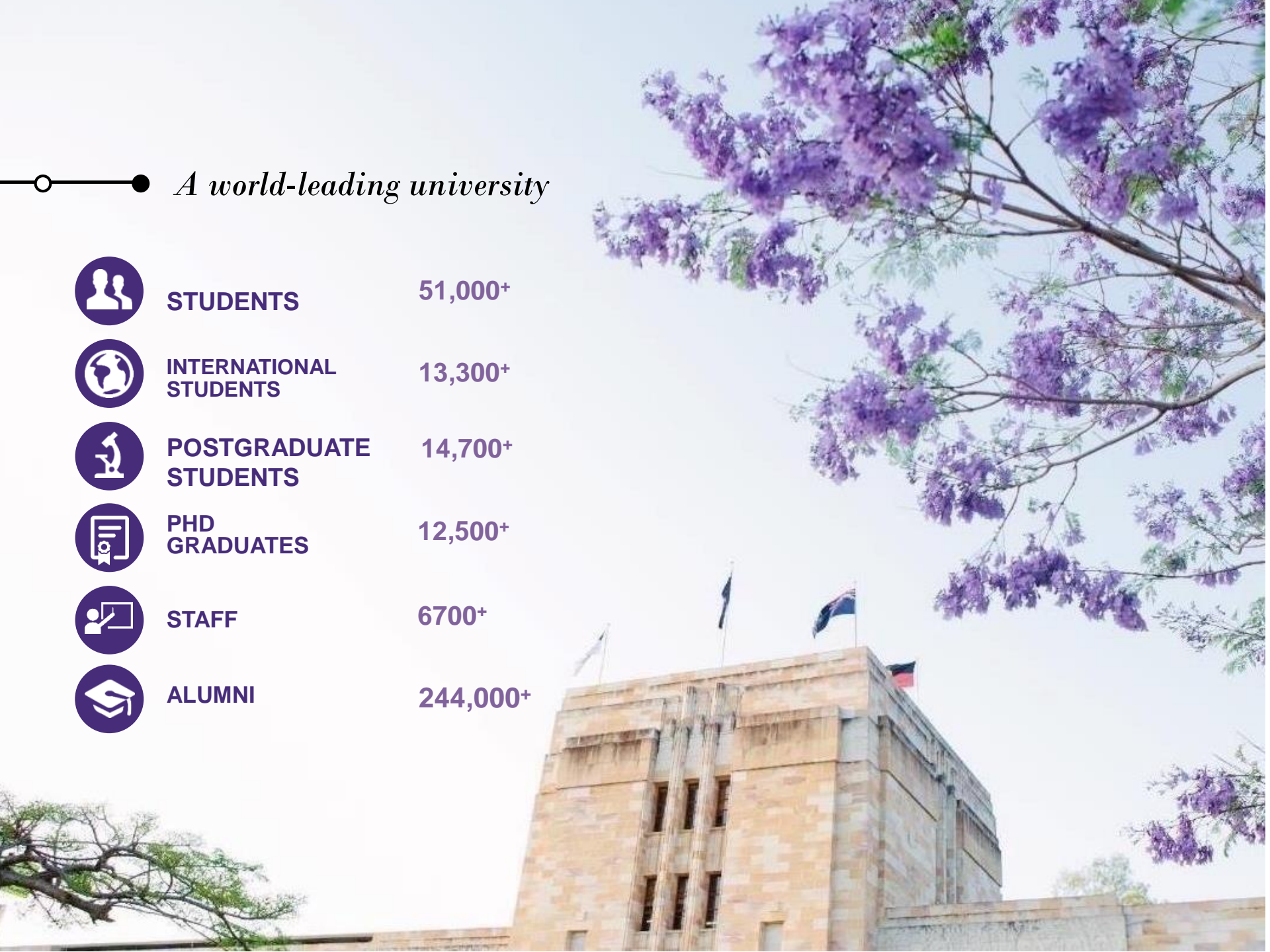
STAFF

6700+



ALUMNI

244,000+





Location



Faculty of
Engineering,
Architecture and
Information
Technology

School of Civil Engineering
School of Chemical Engineering
School of Mechanical and
Mining Engineering
School of Information
Technology and Electrical
Engineering
School of Architecture

Contact

www.eait.uq.edu.au

Research Areas

- Water
- Health
- Energy
- Designing Smart Communities
- Information Engineering
- Manufacturing and Resources



Research Centres And Groups

- Biomedical Engineering
- Food Engineering
- Nanomaterials, nanomechanics and nanomanufacturing
- Systems and Software Engineering
- Advanced Water Management Centre
- Clean Energy and Water Research Group
- Cognitive Systems Engineering
- Complex and Intelligent Systems
- Advanced Materials Processing and Manufacturing
- Power and Energy Systems
- Mining Technology



School of Civil Engineering

- 81 Academic Staff (16 Professors)
- 31 Research Staff
- 12 Professional Staff
- 950 Undergraduate Students
- 108 Master and PhD students



Teaching Excellence

BE, BE/ME and ME

- Civil
- Civil and Environmental
- Civil and Fire Safety
- Civil and Geotechnical

Professional masters

- Master of Engineering
 - Civil and Structural
 - Civil and Fire Safety



Practical Experience

- First Year engineering design projects from Semester 1
- Architecture students learn by making models, sculptures and structures
- Studio based learning across all degrees
- Curriculums informed by industry
- Internships and industry experience a requirement within each degree



Master of Engineering

Civil and Fire Safety Engineering

- Advanced Concrete Structures and Concrete Technology
- Design of Composite Structures
- Fire Dynamics
- Fire Dynamics Laboratory
- Fire Engineering Design: Explicit quantification of Safety
- Fire Engineering Design: Solutions for Implicit Safety
- Introduction to Fire Safety Engineering
- Structural Fire Engineering

Civil and Structural Engineering

- Advanced Concrete Structures and Concrete Technology
- Advanced Structural Analysis
- Computational Methods for Design Optimisation and Advanced Analysis
- Design of Composite Structures
- Design Timber Structures
- Introduction to Fire Safety Engineering
- Structural Fire Engineering
- Wind Engineering

Master of Engineering Science

provides graduates with advanced skills in engineering analysis and problem solving. It is suitable for those interested in solving advanced technical challenges, managing projects and overseeing teams. Students of this plan develop greater understanding of complex engineering challenges and gain practical experience and knowledge of advanced engineering tools and processes by working through case studies and on individual projects relevant to their field. Students will acquire mathematical and experimental skills and advanced materials knowledge to address and solve complex engineering problems. This specialisation builds on knowledge taught in undergraduate engineering programs and has been designed to produce engineers that will lead their companies and industries into the future. The students take 8 courses.

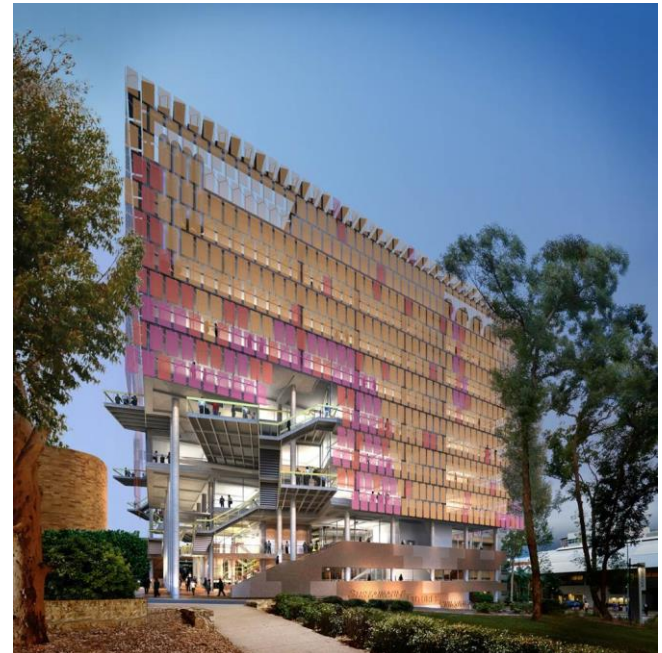
3 compulsory courses:

- Advanced Engineering Practice
- Experimental Design
- Environmental Performance of Materials

2 to 4 courses from fields of study

- Chemical Engineering
- Civil Engineering
- Materials Engineering
- Mechanical Engineering
- Mechatronic Engineering

Remaining courses from a basket of electives



World Rankings

The University of Queensland is rated 'well-above world standard' for its outstanding performance in civil and environmental engineering research by the Australian Research Council.



Well above world standard
in civil engineering research

ERA National Report



Well above world standard
in environmental engineering research

ERA National Report





- Practical, hands-on program for all UQ students
- Provides aspiring student entrepreneurs with the skills and knowledge needed to conceive a start-up