




Study for PhDs at UQ with CSC scholarships (国家建设高水平大学公派研究生项目)

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THE UNIVERSITY OF QUEENSLAND AUSTRALIA

University Snapshot

- **Founded** in 1910
- **Staff** 6,791 full-time equivalent
- **Students**
Undergraduate - ~37,030
Postgraduate - ~13,800
Total - ~ 50,830
- **International students** > 11,500 from 140 countries
- **Alumni** > 232,000
- **Chinese Students:** > 4000




<http://www.uq.edu.au/about/university-profile>

GROUP OF EIGHT AUSTRALIA

A Top 100 University

Benchmarking UQ




Publications	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Academic Ranking of World Universities (China) (formerly Shanghai Jiao Tong University rankings)	101-151	101-51	1101-51	1101-51	1101-51	1101-51	1101-50	86	90	85	85	77	55
QS World University Rankings (UK)	49	47	45	33	43	41	43	48	46	43	43	46	51
The Times Higher Education World University Rankings (UK)	49	47	45	33	43	41	81	74	65	63	65	60	Release 21 Sept 2016
Performance Ranking of Scientific Papers for World Universities (Taiwan)				113	101	100	95	76	72	67	56		45
US News Best Global Universities Rankings											47	52	52

Faculties

Six multi-disciplinary faculties, comprising 32 schools and a large number of research centres, with broad and deep research and teaching strengths

- Business, Economics and Law
- Engineering, Architecture and Information Technology
- Health and Behavioural Sciences
- Humanities and Social Sciences
- Medicine and Biomedical Sciences
- Science



Research Institutes


UQ's existing research strengths developed through its six faculties have gained scale and focus with the establishment of **nine research institutes**.

- Australian Institute for Bioengineering and Nanotechnology (AIBN)
- Diamantina Institute (UQDI)
- Mater Research (UQMR)
- Global Change Institute
- Institute for Molecular Bioscience (IMB)
- Institute for Social Science Research
- Queensland Alliance for Agricultural and Food Innovation
- Queensland Brain Institute (QBI)
- Sustainable Minerals Institute (SMI)




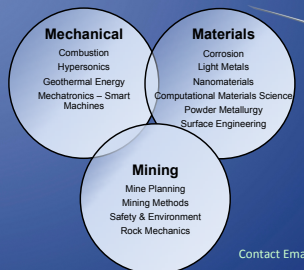
Faculty of EAIT

- 12 national teaching awards in the last 10 years
- 600+ Research Higher Degree Students
- More than 350 academic and research staff
- 22,000+ engineering, architecture and information technology alumni
- \$42 Million annual research income
- 11 externally funded chairs


Faculty of EAIT 

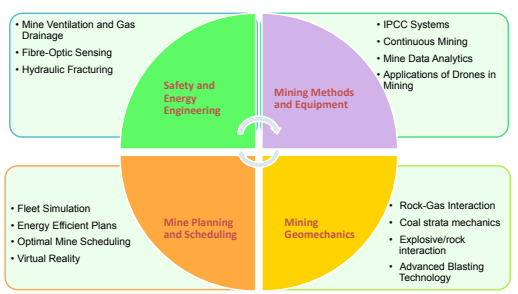
- School of Mechanical and Mining Engineering
- School of Chemical Engineering
- School of Civil Engineering
- School of Information Technology & Electrical Engineering (ITEE)
- School of Architecture
- Advanced Water Management Centre (AWMC)

Research Strength of Mech/Mater/Min Eng 




Contact Email: rhadmin@mechmining.uq.edu.au
 Potential supervisors for Mech, Mater, & Min: http://www.mechmining.uq.edu.au/our_people#academic-staff





Research Strength of Mining Eng 



- Safety and Energy Engineering:** Mine Ventilation and Gas Drainage, Fibre-Optic Sensing, Hydraulic Fracturing
- Mining Methods and Equipment:** IPCC Systems, Continuous Mining, Mine Data Analytics, Applications of Drones in Mining
- Mine Planning and Scheduling:** Fleet Simulation, Energy Efficient Plans, Optimal Mine Scheduling, Virtual Reality
- Mining Geomechanics:** Rock-Gas Interaction, Coal strata mechanics, Explosive/rock interaction, Advanced Blasting Technology

Research Strength of Chemical Engineering 

Australia's Top Chem.Eng. school

 Materials & Chemical Product Engineering	 Environmental Engineering
 Biological & Biomedical Engineering	 Metallurgical Engineering

Major Research Areas

- Climate change
- Renewable energy supply and distribution
- Water Management
- Food supply and security
- Processing and transforming minerals and other natural resources
- Biological systems
- Advanced materials

Potential supervisors of Chemical Engineering: http://www.chemeng.uq.edu.au/our_people#academic

Research Strength of ITEE 



RESEARCH STRENGTHS:

- Biomedical Engineering
- Sleep and Respiratory Systems
- Cognitive Systems Engineering
- Microwave, Photonics and Communications
- Power and Energy Systems
- Robotics

Complex and Intelligent Systems
 Security and Surveillance Systems and Software Engineering
 Interaction Design
 Ubiquitous Computing
 Data and Knowledge Engineering
 eResearch

Potential supervisors of ITEE: <http://www.itee.uq.edu.au/contacts/#ou0>

Research Strength of Civil Engineering 

RESEARCH STRENGTHS:

- Coastal and Ocean Engineering
- Geotechnical Engineering
- Hydraulic Engineering



Potential PhD projects of Civil Eng: <http://www.civil.uq.edu.au/projects>

Research Strength of Architecture 


UQ Architectural research has been ranked top nationally in 2010 ERA ranking.

RESEARCH PROGRAMS:
 Aboriginal Environments
 Architectural Design
 Architecture Theory Criticism History
 Sustainable Design

Contact email: uqrhdarc@uq.edu.au

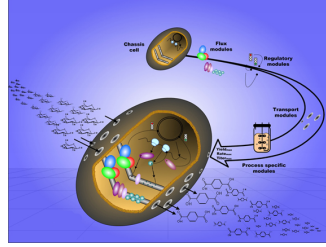


Potential supervisors of Architecture: <http://www.architecture.uq.edu.au/academic-staff>

Research Strength of AWMC 

The **Advanced Water Management Centre (AWMC)** at UQ is an internationally recognised centre of excellence in innovative water technology and management.

RESEARCH PROGRAMS:
 Anaerobic Technologies
 Bioelectrochemical
 Microbial Electrosynthesis
 Greenhouse Gas
 Microbial Ecology
 Sewer Corrosion and Odour
 Water Recycling



Potential supervisors of AWMC: http://www.awmc.uq.edu.au/our-team#academic_staff

Australian Institute for Bioengineering & Nanotechnology 

- ▶ A multidisciplinary environment at the interface between the biological, chemical and computing sciences
- ▶ 17 Group Leaders, 9 Associate Group Leaders, 470 personnel, 140 research students
- ▶ World-class research labs and infrastructure
 - ▶ Electron microscopy
 - ▶ Biologics
 - ▶ Nanofabrication
 - ▶ Metabolomics
 - ▶ Protein expression
 - ▶ High performance computing
 - ▶ NMR and spectroscopy, etc.



www.aibn.uq.edu.au


 **AIBN** Australian Institute for Bioengineering and Nanotechnology

AIBN Research Strengths 


Health	Energy	Environment
 <ul style="list-style-type: none"> • Needle Free Vaccination • Targeted Therapies And Imaging • Personalised Nanomedicine <ul style="list-style-type: none"> • Biologics • Stem Cells And Regenerative Medicine 	 <ul style="list-style-type: none"> • Clean Energy - Next Generation Batteries And Capacitors • Hydrogen Storage and Conversion • Sustainable Jet Fuel • Advanced Lithography 	 <ul style="list-style-type: none"> • Low Energy Bio/Nano Membrane Processes <ul style="list-style-type: none"> • Advanced Materials • Nanofabrication • Selective Pollutant Removal • Bioderived Chemical Building Blocks

Potential Research Projects at AIBN <http://www.aibn.uq.edu.au/research-projects>

 **AIBN** Australian Institute for Bioengineering and Nanotechnology

Background of the CSC PhD Program 

- Based on the State Council's *National Outline for Medium and Long Term Science and Technology Development (2006-2020)*, CSC initiated its first 5-year PhD program in 2007 – **Finished in 2011**
- Based on the State Council's *National Outline for Medium and Long Term Science and Technology Development (2006-2020)*, *National Program for Medium and Long term Talent Development (2010-2020)*, and *National Outline for Medium and Long Term Education Reform and Development (2010-2020)*, CSC developed and launched its second 5-year PhD program in 2012 – **to be finished in 2016**
- **Expected CSC to develop/launch its third 5-year PhD program in 2017**
- CSC aims to send **1st Class students** to **1st Class global universities/institutes** to carry out research projects with **1st Class supervisors**
- CSC expects returning students to possess *Globe vision, Creative and innovative, Understanding the international regulations, Ability to participate the international affairs*

CSC supported research fields 

- Key fields
 - Energy, Water/mineral resources, Environmental, Agriculture, Manufacture, Transportation, Information, Population/health, City/urban planning, Safety, and Defence
- Frontier technologies
 - Life Science, Information, New materials, Advanced manufacture/energy technology, Ocean technologies, Laser technologies, and Space technologies
- Humanities and Social Sciences (Limitation applied)

CSC eligibility to apply for PhD



- **PhD programs** (36 – 48 months, 3000 students in 2016):
 - Bachelor graduates
 - Masters students
 - First year PhD students
- **Exchange PhD programs** (6 – 24 months, 5500 students in 2016):
 - UQ policy: Maximum stay of 12 months

Note: EAIT has a strict rule on academics to take occupational trainees and you need to meet UQ's English requirement for international students

UQ Admissions requirements



- **Meeting the prior research training requirement** - Minimum academic achievement, research experience and English proficiency requirements apply. Details can be found in the link below <http://www.uq.edu.au/grad-school/our-research-degrees>.
- **PhD program** - General Award Rules 4.4.4
 - Undergraduate degree Honours IIA or equivalent, which includes a relevant research component
 - Undergraduate degree plus a minimum of two years relevant research experience (documentary evidence required)
 - be enrolled in the MPhil program at the university and have their enrolment confirmed by the dean under GAR 4.7.
- **English Language Proficiency requirements** –
 - <https://ppl.app.uq.edu.au/content/3.40.14-english-language-proficiency-admission-and-concurrent-support>

Financial support for PhD enrolled at UQ



- From CSC:
 - International Travel
 - Living stipend (A\$1300 per month in the first 5 year program, A\$1700 per month in the second 5 year program, **A\$???? per month in the third 5 year program**)
 - Overseas Student Health Insurance (be part of living stipend)
- From UQ
 - UQI tuition fee scholarship (up to 14 quarters).
 - Top-up scholarship might be available to match Australian Postgraduate Award (A\$26,288 per year - 2016 figure)

Application process - 1



- Check UQ Researchers (<http://researchers.uq.edu.au>) or the academic staff website of enrolling school (listed above, e.g. <http://www.mechmining.uq.edu.au/academic-staff>)
- Preparing your CV based on UQ format: <http://www.uq.edu.au/grad-school/academic-CV>
- Email your potential supervisor to express your interest in studying for a PhD under his/her supervision; together with **your CV** and **academic transcript(s)**, and your obtained **degree certificate(s)**; also you should mention that you are applying for a CSC scholarship (some academics may not be aware of the CSC program)
- If your supervisor decides to support you to apply for the CSC scholarship, you can submit an application online <http://www.uq.edu.au/grad-school/apply-2>
You also need to submit other requested documents, e.g. your CV, academic transcript(s) and degree certificate(s), and English certificate(s)

Academic Curriculum Vitae (CV)



- **Personal details**
 - Include your full name and contact details.
- **Educational qualifications and professional affiliations**
 - Include the full title of the qualification, the institution attended, and the year awarded.
- **Employment history**
 - In chronological order, starting with your current position and specifying dates of employment; include the title of each position, name of employer, main duties or accountabilities, and achievements that are relevant to your proposed field of research.
- **Research publications/Description of most significant publications**
 - Include articles published or accepted for publication (with the three most significant marked with an asterisk). Please specify the publication details, your contribution as an author to multi-authored publications, plus the standing of the journal or conference.
 - Include a short description (maximum 200 words each) for each of the three asterisked publications, explaining their significance in the field and why they have made an important contribution.
- **Research grants**
 - Include only those awarded.
- **List Awards/Scholarships/Recognitions**
- **Academic referees**
 - Please include the name and contact details (address, telephone, fax and email) of two referees. If possible, please include a senior person (preferably your supervisor or the head of your organisational unit) closely associated with your current work.

Application process - 2



- Make sure you **meet** UQ English Language Proficiency requirement when you submit your admission package (English test results are valid for **2 years only**, and must still be valid upon commencement at UQ) **IELTS minimum score: 6.5 overall, 6.0 in all sub-bands, or IBTOEFL minimum score: 87 overall, 21 in writing, 19 in other sub-bands**
- Once the enrolling school has received your application, they will contact you for any further documentation (e.g. project proposal, referee reports)
- You should then work with your supervisor to develop the proposal
- You need to identify two academic referees to prepare recommendation letters and letters should be sent by your referees to your potential supervisor and the the postgraduate admin officer directly

Application timelines



- **Early December 2016:** Admission application package should be lodged to the postgraduate admin officer of the enrolling school
- December 2016, all applications will be rigorously screened by the research committee of the enrolling school. Unsuccessful applications will be notified in January 2017 at the latest
- January 2017, the eligibility of all applications will be assessed by UQ Graduate School (it is very rare the applications to be turned down)
- Before the end of February 2017: UQ admission and tuition fee scholarship offers will be sent to successful candidates; and unsuccessful applications will also be notified
- From late March 2017: CSC application starts

UQ documents needed for CSC applications



- **UQ Admission Offer Letter** (this can be **conditional**, but **English requirement must be met**) – Note that the *title of research project, name of advisory team, and contact details of advisory team* will NOT be shown in the offer letter and CSC accepts this.
- **UQ Tuition Fee Scholarship Offer Letter** (this is conditional on being awarded the CSC scholarship, you will need to provide a copy of CSC scholarship offer letter to UQ to receive the unconditional offer)
 - The UQ enrolment counts as quarters (3 months, success students will be offered for 12 quarters tuition fee waiving with possible of 2 quarters extension. However, students should apply for **48 months** financial support from CSC
- **Supervisor's CV**
- **Research Proposal signed by Your Supervisor** (both in English and Chinese)

Exchange PhD Programs



- Research Study Abroad Program (application through UQ GS)
 - **Importantly, the research carried out at UQ must be part of the student's PhD thesis.**
 - **The CSC student will be enrolled at UQ Graduate School** as a formal program of study. Students will have the benefits of being a formal student and can receive an academic transcript at the end of their study.
 - Student must have enrolled for PhD program for > 1 year.
- Occupational Trainee Program (application through Faculty)
 - The CSC student aims to develop research experiences at UQ only, so that the **the research carried out at UQ will not be part of the student's PhD thesis.**
 - The research carried out at UQ is NOT necessary being part of his/her PhD thesis.

Exchange PhD Programs



- Research Study Abroad Program
 - Duration will be 2-4 quarters
- Occupational Trainee Program
 - Duration should be up to 1 year
- Research Study Abroad Program/Occupational Trainee Program
 - No top-up scholarship payable for UQ
 - Minimum English requirement for the UQ students must be met
 - Students should contact to potential supervisors to develop a research plan
 - The research plan should be approved by the head of enrolling unit

Expected CSC selection timelines



- From March 2017: CSC application starts
 - April/May 2017: CSC assessments
 - May/June 2017: Successful candidates announced.
- Note: CSC will send a list of success CSC applicants to UQ for final confirmation, so that the announcement will be delayed for several days. (Remember: No news is a good news!)
- From June 2017: Finalize UQ enrolment and visa application.
 - October 2017 onwards – Arriving in UQ (Note: UQ enrolments is the first two weeks of each quarter, say 1st-14th Jan, Apr, Jul, and Oct; and CSC requires the candidate leaves China before 31st March, 2018)

