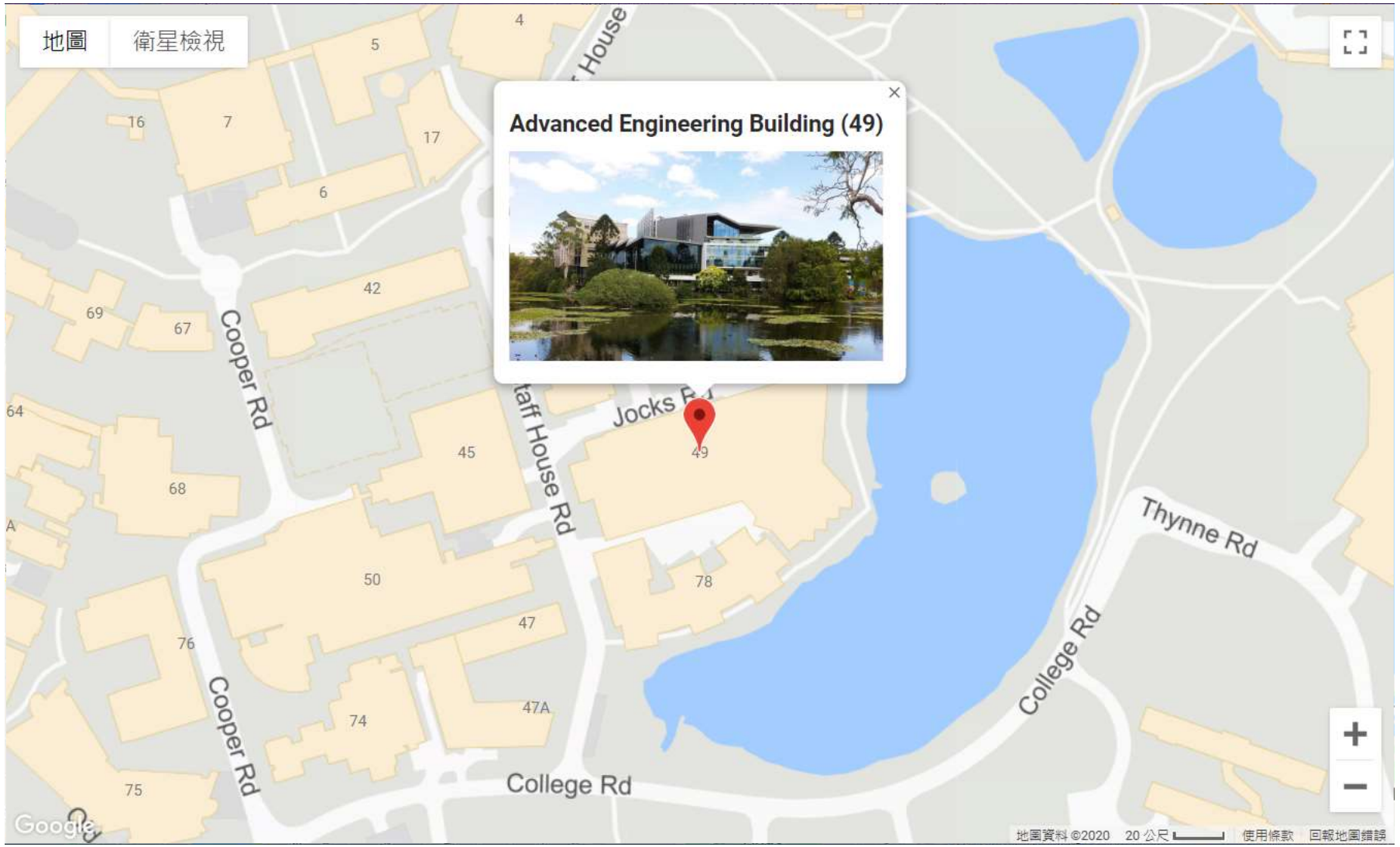
# 淡 江 大 學
# 昆 士 蘭 大 學
# 3 + 2 學 制 介 紹

# 簡介

- 由於本系教授與澳洲昆士蘭大學土木系教授於過往曾有合作研究的經驗，且本校與昆士蘭大學亦為姊妹校。因此為了替本系學生建立國外學習的環境，並鼓勵兩校兩系之間的研究交流發展，故於2019年年底，雙方簽約同意執行**淡江大學土木系-昆士蘭大學土木系3+2學位學制**，於2020年2月正式生效。
- 淡江大學土木系-昆士蘭大學土木系3+2學位學制提供本系優秀的應屆大三學生，在滿足一定的申請條件前提下，於大四期間前往昆士蘭大學就讀碩士課程。該生於畢業後，由兩校核定其畢業資格，同時發給**淡江大學土木系學士學位**以及**昆士蘭大學土木系碩士學位**。

# 昆士蘭大學地理位置


地圖
衛星檢視
Advanced Engineering Building (49)
Cooper Rd
Staff House Rd
Jocks Rd
Thynne Rd
College Rd
Cooper Rd
College Rd
4
5
16
7
17
6
42
69
67
64
45
49
68
A
50
78
47
76
47A
74
75
Google
地圖資料 ©2020
20 公尺
使用條款
回報地圖錯誤

# 昆士蘭大學基本介紹

## THE UNIVERSITY OF QUEENSLAND

- Public, research-intensive university.
- Brisbane (St Lucia), Gatton, Herston.
- 36,000 undergraduate & 15,000 postgraduate students.
- Group of Eight and Universitas 21 member.

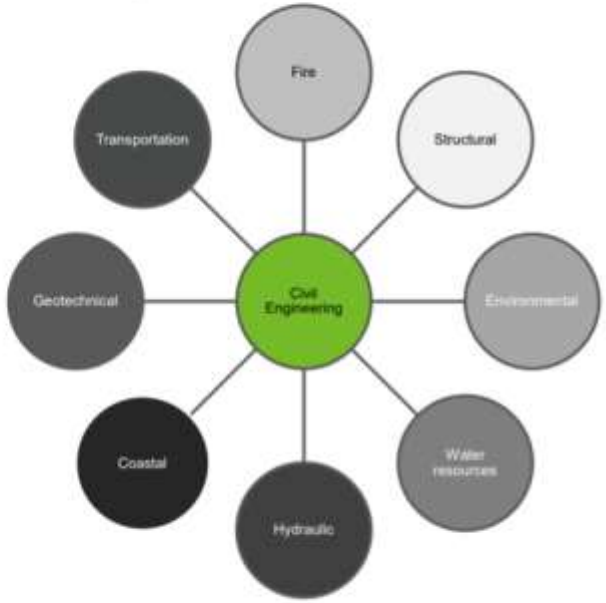
## THE UNIVERSITY OF QUEENSLAND

- Global rankings
  - QS World: 47
  - THE-WUR: 60
  - ARWU: 55
- National rankings: 2 – 4
- Global engagement
  - Partners in 50+ countries
  - Student exchange in 40 countries
  - 200+ exchange agreements
- Active agreements with Tamkang University.

# 昆士蘭大學土木系基本介紹

## CIVIL ENGINEERING

- 38 academics, 130 research staff & 115 PhD students.
- National (ERA) Ranking: 5 (top) for Civil & Environmental Engineering.
- World Ranking: 50-100
- 3 researchers on ARWU most cited list.
- 3 Industry-funded Chairs & 4 Industry-funded centres.



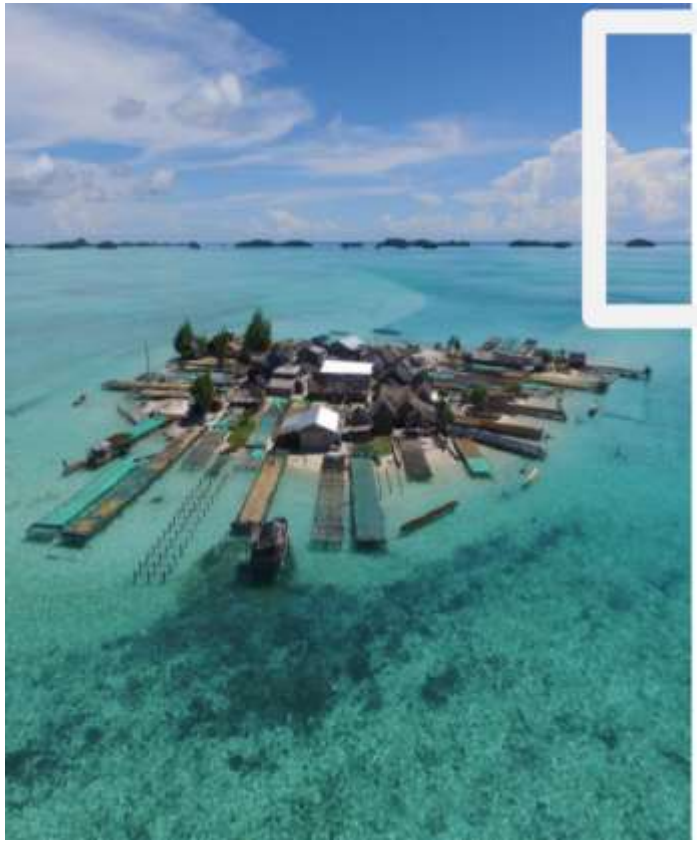

## STRUCTURES RESEARCH

- Advanced composites
- Folded (origami) structures and digital fabrication
- Floating structures
- High-performance steel, timber and nano-structures
- Sustainable concrete
- Construction management
- Wind engineering

# 昆士蘭大學土木系基本介紹

## FIRE SAFETY RESEARCH

- Façade engineering
- Structural fire engineering
  - Timber structures
  - Concrete spalling
- Multi-scale compartment fires
- Fire fighter safety
- Wildland (bush) fires



## COASTAL ENGINEERING RESEARCH

- Hydrodynamics
- Beach protection and processes
- Sediment transport and morphology
- Groundwater & hydrological cycle
- Sea level rise
- Disaster management

# 昆士蘭大學土木系基本介紹

https://www.civil.uq.edu.au/

LABORATORY
FACILITIES

# 3+2學位學制碩士班課程(1)

**ME Civil Engineering (July commencement)**

*Theme: Water and Environmental Engineering*

| Year 1 | | | | |
|---|---|---|---|---|
| July | ENGG7902 Engineering Innovation and Leadership | CIVL7505 Research Methods for Civil Engineers | ELECTIVE: CIVL4110 Coastal & Estuarine Processes | ELECTIVE: CIVL4230 Advanced Soil Mechanics |
| Feb | ENGG7901 Prof. Engineering & the Business Environment | ELECTIVE: CIVL4170 Environmental Risk Assessment and Management | ELECTIVE: CIVL4180 Sustainable Built Environment | ELECTIVE: CIVL7155 Physical and Numerical Modelling of Environmental Fluid Mechanics |
| **Year 2** | | | | |
| July | CIVL7512 Research Project | ELECTIVE: CIVL4120 Advanced Open Channel Flow & Hydraulic Structures | ELECTIVE: CIVL7170 Advanced Sustainable Built Environment | ELECTIVE: CIVL7235 Underground Structures |
| Feb | | ELECTIVE: CIVL7215 Ground Improvement and Remediation Technologies | ELECTIVE: CIVL7131 Urban Hydrology | ELECTIVE: CIVL7135 Advanced Environmental Monitoring |

# 3+2學位學制碩士班課程(2)

**ME Civil Engineering (July commencement)**

*Theme: Geotechnical Engineering*

| Year 1 | | | | |
|---|---|---|---|---|
| July | ENGG7902 Engineering Innovation and Leadership | CIVL7505 Research Methods for Civil Engineers | ELECTIVE: CIVL4230 Advanced Soil Mechanics | ELECTIVE: CIVL4280 Advanced Rock Mechanics |
| Feb | ENGG7901 Prof. Engineering & the Business Environment | ELECTIVE: CIVL4270 Geotechnical Investigation & Testing | ELECTIVE: CIVL7225 Dam & Embankment Engineering | ELECTIVE: CIVL4170 Environmental Risk Assessment and Management |
| **Year 2** | | | | |
| July | CIVL7512 Research Project | ELECTIVE: CIVL7235 Underground Structures | ELECTIVE: CIVL7360 Computational Design and Structural Geometry | ELECTIVE: CIVL7315 Advanced Concrete Technology |
| Feb | | ELECTIVE: CIVL4180 Sustainable Built Environment | ELECTIVE: CIVL7215 Ground Improvement & Remediation Technologies | ELECTIVE: CIVL7131 Urban Hydrology |

# 3+2學位學制碩士班課程(3)

**ME Civil Engineering (July commencement)**

*Theme: Structural Engineering*

| Year 1 | | | | |
|---|---|---|---|---|
| July | ENGG7902 Engineering Innovation and Leadership | CIVL7505 Research Methods for Civil Engineers | ELECTIVE: CIVL4332 Advanced Structural Analysis | ELECTIVE: CIVL4334 Design of Timber Structures |
| Feb | ENGG7901 Prof. Engineering & the Business Environment | ELECTIVE: CIVL4340 Wind Engineering | ELECTIVE: CIVL4333 Advanced Concrete Design | ELECTIVE: FIRE3700 Introduction to Fire Safety Engineering |
| **Year 2** | | | | |
| July | CIVL7512 Research Project | ELECTIVE: CIVL7360 Computational Design and Structural Geometry | ELECTIVE: CIVL7170 Advanced Sustainable Built Environment | ELECTIVE: CIVL7315 Advanced Concrete Technology |
| Feb | | ELECTIVE: FIRE7660 Structural Fire Engineering | ELECTIVE: CIVL7350 Design of Composite Structures | ELECTIVE: CIVL7131 Urban Hydrology |

# 3+2學位學制碩士班課程(4)

**ME Civil Engineering (July commencement)**

*Theme: Transport Engineering*

| Year 1 | | | | |
|---|---|---|---|---|
| July | ENGG7902 Engineering Innovation and Leadership | CIVL7505 Research Methods for Civil Engineers | ELECTIVE: CIVL4411 Advanced Transport Engineering | ELECTIVE: CIVL7435 Traffic Simulation: Methods and Applications |
| Feb | ENGG7901 Prof. Engineering & the Business Environment | ELECTIVE: CIVL4412 Travel Behaviour and Transport Modelling | ELECTIVE: CIVL7415 Spatial and Quantitative Methods for Transport Data Analytics | ELECTIVE: CIVL4270 Geotechnical Investigation & Testing |
| **Year 2** | | | | |
| July | CIVL7512 Research Project | ELECTIVE: CIVL4522 Construction Engineering Management | ELECTIVE: CIVL4460 Highway Geometric Design | ELECTIVE: CIVL7170 Advanced Sustainable Built Environment |
| Feb | | ELECTIVE: CIVL7131 Urban Hydrology | ELECTIVE: CIVL7425 Transport Models for Planning | ELECTIVE: CIVL7350 Design of Composite Structures |

# 3+2學位學制碩士班課程—基本要求(1)

- Students wishing to participate in the **Program** will be required to enroll in a full-time course load (8 units per semester) unless otherwise approved by the Associate Dean (Academic) at UQ.
- Students must complete the **Program** in accordance with the relevant program rules and requirements and achieve the required passing grades.

# 3+2學位學制碩士班課程—基本要求(2)

- Students will undertake 32 units of study in the UQ Master's Degree program at UQ in accordance with the relevant UQ program requirements.
- Students will not be eligible for any advanced standing towards the UQ Master's Degree. Students must successfully complete the full 32 units (over a two-year period on a full time basis) at UQ to meet the Program requirements to be awarded the UQ Master's Degree.

# 3+2學位學制碩士班課程—基本要求(3)

- Further UQ program information can be found at and are reviewed annually:
- http://www.uq.edu.au/student/ProgramRules2018/2018-Master-of-Engineering-5674.pdf
- Students can commence at UQ in Semester 1 (February or March) or 2 (July).

# 3+2學位學制碩士班課程—學雜費

- Students will pay tuition and other fees directly to UQ for the study undertaken at UQ.
- Tuition and other fees may vary from year to year. The UQ Agreement Administrator will inform the TKU Agreement Administrator of such changes.
- Students will also be responsible for all field trip costs, other non-compulsory student service fees and personal costs including: -
  - **Transport (including flights) to and from UQ;**
  - **Textbooks, clothing, and personal expenses;**
  - **Accommodation costs, living expenses;**
  - **Medical insurance required by UQ or Australia;**
  - **Passport and visa costs.**
- The details of these and other relevant fees are available at the UQ website: (http://www.uq.edu.au/international-students/)

# 3+2學位學制—申請條件(1)

- Academic Module IELTS score of 6.5 overall with no individual sub-band score less than 6.0; OR
- Internet based TOEFL minimum total score of 87 with at least 21 in writing and at least 19 in speaking, listening and reading; OR
- At the sole discretion of UQ, students may enter the Program after completing an English Language preparation program at ICTE-UQ.

# 3+2學位學制—申請條件(2)

- To meet the academic entry requirements for enrolment in the Program students must have successfully completed 3 years of study in their four-year TKU Bachelor's Degree program.
- 必須完成大一至大三所有必修學分，且累積畢業學分至少112以上。此外，必須已修過下列學科：
  - 微積分、基礎工程數學、工程數學(一)、工程統計
  - 應用力學、材料力學、工程材料、工程材料試驗、鋼筋混凝土、
  - 結構學、流體力學、水文學、土壤力學(一)、土壤力學實驗、工程地質
  - 工程數學(二)、土壤力學(二)、鋼結構設計
- 繳交文件時，上述所列科目必須包含在累積學分112學分內。

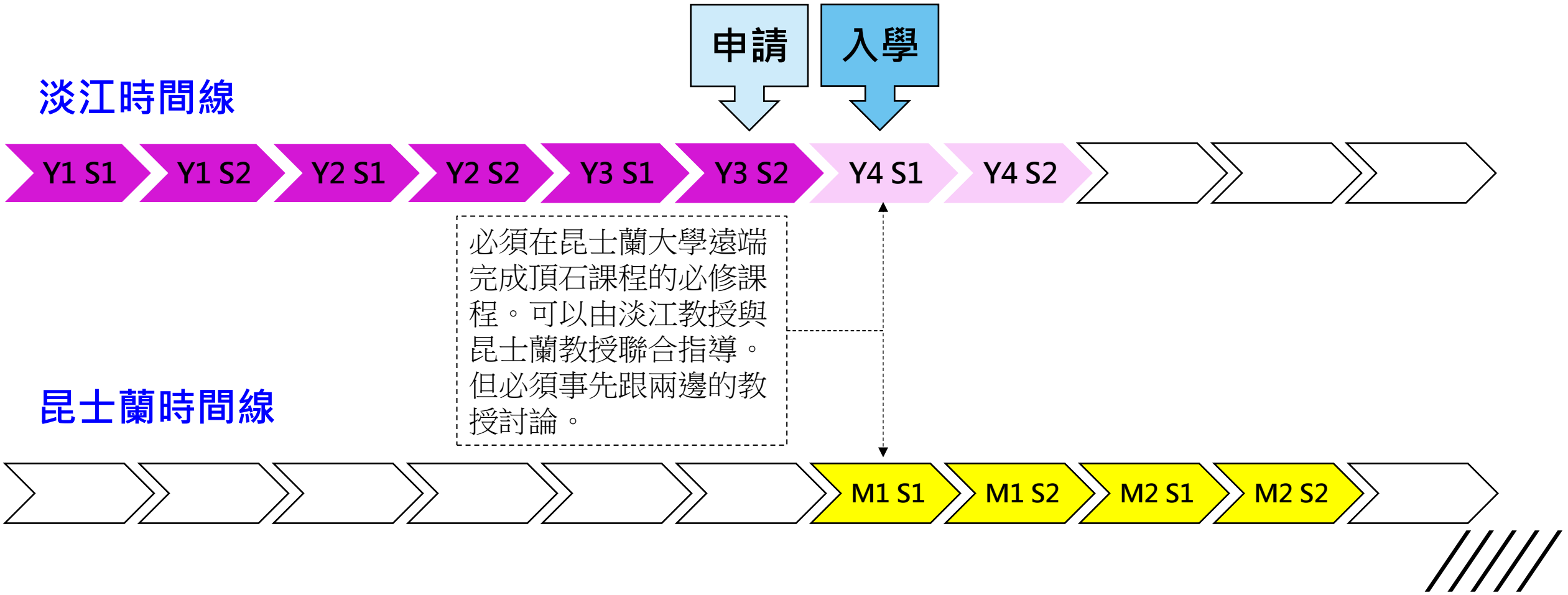
# 3+2學位學制—申請條件(3)

- Have a minimum grade point average (GPA) equivalent to 5.0 out of 7.
- 換算成淡江GPA制度為滿分4，須至少2分；或滿分為100，須至少73.4分。建議採後者較佳。

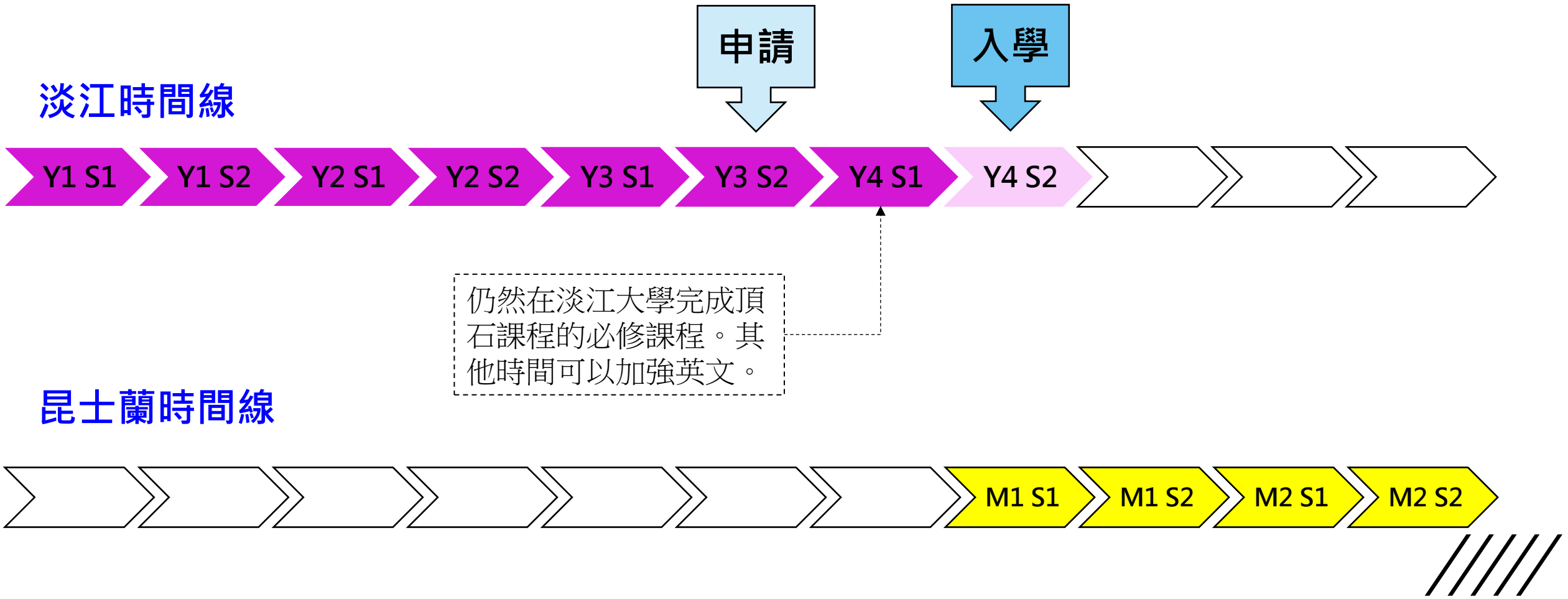
# 3+2學位學制—申請條件(4)

- Students must provide to UQ full transcripts (including all attempts at all courses whether passed or failed) for inclusion in the GPA assessment.
- 必須繳交含有GPA評量成績的英文歷年成績單(其他含所有修過的科目紀錄)。
- TKU will provide to UQ all academic results for the first three years of the students' four-year TKU Bachelor's Degree program at least four weeks' prior to commencement of the relevant UQ semester in which the student will be admitted.
- 淡江土木系必須在開學至少四週前遞交審核合格的文件給昆士蘭大學(一般來說會更早！)

# 3+2學位學制—時程安排(第1類)



# 3+2學位學制—時程安排(第2類)



祝你/妳申請成功！
開拓視野，開創未來。