

MSc in Civil Engineering



Why PolyU CEE?

International Recognition (No. 1 in Hong Kong)



Best Universities for
Civil Engineering
U.S. News & World Report
Best Global Universities
Rankings 2022



Civil Engineering
ShanghaiRanking's
Global Ranking of
Academic Subjects
2023



Transportation Science
& Technology
ShanghaiRanking's
Global Ranking of
Academic Subjects
2023



Environmental Science
& Engineering
ShanghaiRanking's
Global Ranking of
Academic Subjects
2023



Civil and Structural
Engineering
QS World University
Rankings
by Subject 2023

CEE Faculty Highlights



Member of the
Chinese Academy of
Sciences



Chang Jiang Scholars,
Chinese Ministry of
Education



Fellow of the
Australian Academy
of Engineering and
Technology



Fellow of Royal Academy
of Engineering, UK

Programme Aims

Through this programme, students will pursue in-depth studies related to civil engineering or broaden their knowledge of civil engineering by studying topics that are beyond their present field.

We are keen to develop students' abilities to design engineered systems or processes to meet the desired needs in civil engineering projects within realistic constraints.

Our programme is designed to cultivate students' strategic thinking skills in solving complex problems and dealing with situations pertinent to their professional practice, and to enhance their learning capabilities for continual professional development through inquiry and reflection on professional practice.

Study Pattern

- 10 subjects (at least 7 core subjects and at most 3 elective subjects) or
- 7 subjects (at least 4 core subjects and at most 3 elective subjects) plus Dissertation

Part-time students are strongly advised not to take more than 3 subjects per semester due to the heavy study load.

Admission Scholarship

Full tuition fee waiver and half tuition waiver are available. The general criteria are listed below:

- Reputation of candidates' previous undergraduate institution
- Academic performance
- International experience
- Achievements in other areas

Priority will be given to graduates of the Faculty of Construction and Environment (FCE) of PolyU in recent 3 years with outstanding academic performance. The amount of each scholarship shall be determined by the Departmental Scholarship Committee. No application is required. Awardees will be informed of the results individually.

Programme Outline

- Medium of instruction: English
- Normal duration: 1 year (Full-time); 2.5 years (Part-time)
- Credits required for graduation: 30 credits

Core Areas of Study

This programme offers 3 main areas of study, each covering a wide range of Core Subjects.

General Civil Engineering

- Advanced Rock Engineering
- Analytical and Numerical Methods in Geotechnical Engineering
- Coastal Processes and Engineering under Climate Change
- Construction Management and Law
- Construction Technology
- Drainage Design
- Geo-hazards Risk Management and Mitigation
- Quantitative Techniques in Construction Planning
- Advanced Soil Mechanics

Structural Engineering

- Advanced Reinforced Concrete
- Advanced Structural Design
- Bridge Engineering
- Facade Engineering
- Seismic Design of Building Structures
- Smart Infrastructure
- Tall Building Structures
- Wind Engineering

*This course has been included in the list of reimbursable courses under the Continuing Education Fund.

For details, please visit <https://www.polyu.edu.hk/cee/prospective-students/taught-postgraduate-programmes/msc-in-civil-engineering/>.

Entrance Requirements

- A Bachelor's degree with Honours in civil engineering or an equivalent qualification.
 - Applicants must also meet the English language requirement of the University.
- For details, please visit <https://www.polyu.edu.hk/study/pg/taught-postgraduate/admission-requirements-tpg>

Application

Application Procedures

Prospective applicants can submit online applications at <https://www38.polyu.edu.hk/eAdmission/index.do>

Tuition Fee

HK\$6,100 per credit for local and non-local students

Further Information

Programme Leader

Prof. Tak-Ming Chan

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Deputy Programme Leader

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General Office

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Transportation Engineering

- Development of Transport Infrastructure*
- Public Transport: Operations and Service Planning*
- Smart Transport
- Traffic Engineering and Control
- Transport Management
- Urban Transport Planning – Theory and Practice*

Dissertation

- Dissertation (9 credits)

Recommended Electives

- Air Transport Logistics and Management
- Port Policy and Management
- Statutory Framework for Construction Practice
- Metros in Hong Kong and China



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