

### English Proficiency Requirements

Applicants whose entrance qualification is obtained from an institution where the medium of instruction is NOT English should also fulfill the following minimum English proficiency requirements:

a TOEFL score of 550 (paper-based test) or 213 (computer-based test) or 79 (internet-based test); or

an overall band score of 6.5 in International English Language Testing System (IELTS); or

Score 450 in the new College English Test (CET-6) of mainland China or a pass in the old CET-6 test; or

other equivalent qualifications.

### Tuition Fees

The tuition fees are subject to annual review. For the information, please visit the website of the Chow Yei Ching School of Graduate Studies:

[www.sgs.cityu.edu.hk/prospective/tpg/](http://www.sgs.cityu.edu.hk/prospective/tpg/)

### Normal Study Period

**MSc CAE, MSc CM**

1 years (Full-time)

2 years (Part-time)

**MUDP, MArch**

2 years (Full-time)

4 years (Part-time)

### Application

Application for the programmes can be submitted online. For details, please visit the university's website at [www.cityu.edu.hk/sgs](http://www.cityu.edu.hk/sgs)

Shortlisted candidates may be required to attend an interview. All successful applicants will be informed in due course.

### Enquiries

Chow Yei Ching School of Graduate Studies

Tel: 3442 5588

Fax: 3442 0187

Online enquiry from:

[www.cityu.edu.hk/sgs/enquiry](http://www.cityu.edu.hk/sgs/enquiry)

### Internationalization and Diversity

We are proud of having a strong team of outstanding faculty members with diverse ethnic backgrounds, research interests and professional expertise, who are dedicated to advancing and disseminating knowledge.

### Discovery and Creativity

The discovery-enriched curriculum enables our students to make an original discovery to create new knowledge and cultivate it to benefit society.

Our students benefit from multi-cultural learning environment and multi-disciplinary professional education. Equipped with the state-of-the-art knowledge and technologies, our graduates aspire to become the pillars supporting our contemporary society.

# Meeting the World's Challenges

## Build Tomorrow Create the Future

### CityU's ranking according to QS World University Rankings 2014

- ▶ **4th** in Top 50 under 50 (*Top 50 universities under 50 years old*)
- ▶ **31st** in Civil and Structural Engineering by Subjects
- ▶ **11th** in Top Universities in Asia

### Facilities

Building Services Laboratory  
Indoor Air Quality Laboratory  
Environmental and Water Engineering Laboratory  
Heavy Structures Testing Laboratory  
Soil Mechanics and Geology Laboratory  
Wind Tunnel Testing Facility  
Design Studio  
Model Making Workshop  
Mechanical Workshop



Heavy Structures Testing Laboratory



Building Services Laboratory



### INTERNATIONAL STAFFING AND STUDENTS



### DISCOVERY-ENRICHED CURRICULUM



Website: [www.ace.cityu.edu.hk](http://www.ace.cityu.edu.hk)

Enquiries: (852) 3442 7609

E-mail: [acedept@cityu.edu.hk](mailto:acedept@cityu.edu.hk)

## DEPARTMENT OF ARCHITECTURE AND CIVIL ENGINEERING

### Taught Postgraduate Programmes

- **Master of Science in Civil and Architectural Engineering (MScCAE)**  
(Buildig Cost Construction Management | Building Services | Civil Engineering)
- **Master of Science in Construction Management (MScCM)**  
(Construction Project Management | Real Estate Project Management)
- **Master of Urban Design and Regional Planning (MUDP)**
- **Master of Architecture (MArch)**



香港城市大學  
City University  
of Hong Kong



“  
The Department is uniquely placed in Hong Kong with its multidisciplinary faculty members including experts in civil and structural engineering, building services engineering, construction engineering and management, urban design and planning, building science, architecture and surveying, all within one academic unit.  
”

## Master of Science in Civil and Architectural Engineering

Programme Code: P60

- Building Construction Cost Management (BCCM)
- Building Services (BSE)
- Civil Engineering (CE) [3 Streams]

### Programme Aims:

- To upgrade existing construction related professionals with the knowledge of advanced civil engineering, urban design and planning, cost control and management;
- To produce experts in all aspects of cost engineering, urban design and planning, civil engineering and building services;
- To provide a route of continue education to graduates of construction related disciplines;
- To provide multi-disciplinary approach for civil, urban design, planning, building services and construction professionals;
- To carry research works in various related disciplines.

### Programme Structure

The programme consists of 30 credit units with a core of 6 required courses (21 credit unit for Full-time, 15 credit units for Part-time) and various electives courses (9 credit units for Full-time, 15 credit units for Part-time). Students are expected to complete the programme within 1 year (for full-time students) or 2 years (for part-time students).

#### Core Course:

Building Engineering Systems and Maintenance (BCCM), Building Energy and Daylighting (BSE), Civil Engineering Studies (CE), Professional Research Methods, Economics for the Built Environment, Contract Strategy and Administration, Modelling and Computational Techniques, Dissertation

**Elective Course: (BCCM)** Production Management, Civil Engineering Studies, Cost Engineering, Decision Analysis, Value Management for Construction, Contract and Dispute Management, Financial Management in Construction, Strategic Operation and Maintenance; **(BSE)** Indoor Air Quality, Applied Fire and Plumbing Engineering, Building Electrical and Electronic Engineering, Applied HVAC Engineering; **(CE)** Structural Dynamics and Applications, Transportation and Land Planning, Theoretical and Computational Soil Mechanics, Building Engineering Systems and Maintenance, Geotechnical and Foundation Engineering, Modern Structural Engineering

#### Programme Leader

Prof. SM Lo, *PhD Arch (HKU)* Tel: 3442-7683 Email: bcsml@cityu.edu.hk

#### Associate Programme Leader for BCCM stream

Dr. X Q He, *BEng (WHUT), MEng (HUST), PhD (Nat'l Univ S'pore)* Tel: 3442-2307 Email: hcqxhe@cityu.edu.hk

#### Associate Programme Leader for BSE stream

Dr. G S Huang, *BEng (SC), MEng (SC), PhD (Oxford)* Tel: 3442-7633 Email: gongsheng.huang@cityu.edu.hk

#### Associate Programme Leader for CE stream

Dr. Jeff Wang, *BSc (Tongji), MSc (Tongji), PhD (Virginia Tech)* Tel: 3442-6787 Email: jefwang@cityu.edu.hk

## Master of Science in Construction Management

Programme Code: P52

- Construction Project Management (CPM)
- Real Estate Project Management (REPM) [2 Streams]

### Programme Aims:

- To provide students with environment in which to develop their intellectual, analytical and critical abilities and to enable them to exercise these abilities in the built environment and the international project management field
- To provide a basis for continuing professional development, and encouragement for professional specialisation in the local construction industry. This platform is achieved by maintaining balance activities among research, intellectual and professional developments

### Programme Intended Learning Outcomes:

*Upon successful completion of this Programme, students should be able to:*

1. Apply the financial management technique in real estate development projects and/or construction works;
2. Analyze economics of real estate development projects and/or construction works and related process;
3. Apply effective project management techniques to real estate development projects and/or construction works;
4. Apply contracts management to real estate development projects and/or construction works;
5. Implement effective resources management to real estate development projects and/or construction works;
6. Explain the relationship between the project control functions and business management functions of a developer and/or the same of a construction firm and utilize advanced techniques and technology which are available for enhancement of effectiveness and efficiency of the planning and control functions;
7. Make an original discovery and innovative in the learning process in compliance with CityU's academic strategy.

### Programme Structure

The programme consists of 30 credit units with a core of 5 required courses (18 credit unit for Full-time, 12 credit units for Part-time) and various electives courses (12 credit units for Full-time, 18 credit units for Part-time). Students are expected to complete the programme within 1 year (for full-time students) or 2 years (for part-time students).

### Specific Programme Aims:

- To develop qualified and experienced real estate and construction professionals become professional managers and leaders in the field with the management principles and techniques required for the effective management of the real estate development and construction process
- To develop the potential professional manager's leadership, maximising quality attainment in the built project, and developing the international vision on the project management field

### Core Courses

Management Workshop, Project Management, Contract and Dispute Management, Financial Management in Construction, Dissertation

### Construction Project Management (CPM) Stream Electives:

Production Management, Automation in Construction, Real Estate Investment in China, Decision Analysis, Economics for the Built Environment, Contract Strategy and Administration, Professional Research Methodology, Design Management, Value Management, Dissertation

### Real Estate Project Management (REPM) Stream Electives:

Economics for the Built Environment, Real Estate Development, Transportation and Land Planning, Green Building, Architecture and People, Property Economics, Value Management, Sustainable Urban Development, Real Estate Investment in China, Geographic Data Management and Planning Analysis, Professional Research Methodology, Dissertation

#### Programme Leader

Prof. SM Lo, *PhD Arch (HKU)* Tel: 3442-7683 Email: bcsml@cityu.edu.hk

#### Associate Programme Leader for CPM

Dr. J Murakami, *BEng (Tokyo Sci), MEng (Tokyo), PhD (UC Berkeley)* Tel: 3442-5658 Email: jin.m@cityu.edu.hk

#### Associate Programme Leader for REPM

Dr. Z Chang, *BArch (Tianjing) MArch (Tsinghua), MUP (Harvard), DDes (Harvard)* Tel: 3442-5434 Email: zchang@cityu.edu.hk

## Master of Urban Design and Regional Planning

Programme Code: P64

### Programme Aims:

- To enhance existing construction related professional with the knowledge of urban design and regional planning
- To produce experts with comprehensive knowledge of urban design and regional planning
- To offer a route for further study to graduates of construction related disciplines
- To provide multi-disciplinary approach for architecture, civil engineering, urban design, urban planning, building services and construction professionals
- To train/equip students with the skills for carrying out research works in various related disciplines

### Programme Intended Learning Outcomes:

*Upon successful completion of this Programme, students should be able to:*

1. Review and evaluate in-depth knowledge of urban design and regional planning;
2. Interpret and comply with legal aspects of building, urban design and regional planning;
3. Develop comfort, convenience and safety planning of the built environment to meet the society's performance;
4. Develop research approach to solve problems in the various areas in building and urban design performance;
5. Appraise the professional practice for urban design and regional planning and the corresponding regulations and code of practice.

### Course Description

Each student must satisfactorily complete at least 60 credit units before Master of Urban Design and Regional Planning (MUDP) is awarded. The total 60 credit units comprise two parts, namely the core courses (36 credit units) and elective courses (24 credit units). Reference should be made to the programme document and the student handbook for the criteria of choosing electives.

#### Programme Leader

Prof. SM Lo, *PhD Arch (HKU)* Tel: 3442-7683 Email: bcsml@cityu.edu.hk

#### Associate Programme Leader

Dr. Y Kim, *B(Arch) M(Arch) (Seoul Nat'l Univ), MS Arch, PhD Arch (UMich)* Tel: 3442-5432 Email: youngkim@cityu.edu.hk

**MUDP:** full accreditation by the Royal Institution of Chartered Surveyors (RICS) in the form of partnership.

## Master of Architecture

Programme Code: P65

### Programme Aims:

- To provide a professional education in the discipline of architecture
- To upgrade existing architectural studies' graduates with the knowledge and practice in architecture
- To provide multi-disciplinary approach for architectural professional practices embracing civil engineering, urban design, urban planning, building services, construction engineering and engineering management
- To train students with the skills for carrying out research works in architecture related disciplines

### Programme Intended Learning Outcomes:

*Upon successful completion of this Programme, students should be able to:*

1. Review and evaluate in-depth knowledge of architecture;
2. Interpret and comply with legal aspects of architectural design;
3. Develop comfort, convenience and safety planning of the built environment with multi-disciplinary approach and sustainable design to meet the society's needs;
4. Develop research approach to solve problems in the various areas in architecture;
5. Appraise building construction related regulations and practice.

### Course Description

Each student must satisfactorily complete at least 60 credit units before Master of Architecture (MArch) is awarded. The total 60 credit units comprise two parts, namely the core courses (39 credit units) and elective courses (21 credit units). The programme has particular emphasis on developing mastery of design for students through an intensive series of design studio courses and on developing students' knowledge in modern building engineering

#### Programme Leader

Dr. Joseph Francis Wong, *BA(Arch) (UC Berkeley), MArch (MIT), EdD (Leicester)* Tel: 3442-4957 Email: joseph.f.wong@cityu.edu.hk

#### Associate Programme Leader

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