

**Hong Kong Institution of Engineers
Bridging Courses for the Building Discipline**

- I. Department of Building and Real Estate, The Hong Kong Polytechnic University, and
Department of Building & Construction, City University of Hong Kong
Certificate of Completion in Building Studies**

Introduction

The following two categories of candidates to be considered as fulfilling the academic requirement for Corporate Membership in the Building Discipline:

1. Building graduates who hold an ordinary degree in building recognized by the Building Discipline, or, a pass in the CIOB Part II or, an honour degree in Building recognized by the Building Discipline from 1998 intake;
2. Civil and Structural Engineering graduates of accredited engineering programs for the Institution or signatories of the Washington Accord.

Aims

The overall aim of the module is to broaden and deepen participants' knowledge in building construction management, geotechnical and foundational engineering, temporary work design, building services engineering to bring candidates in line with the requirements of a building engineer.

Course Structure

The course consists of two streams. In addition, 16 hours of Continuing Professional Development (CPD) Activities, such as site visits, seminars and non-credit courses, etc. are required.

Each stream consists of two modules each with 42 contact hours:

Stream A (for building graduates from non-HKIE accredited degree programs or those who have passed CIOB final examination part II)

| Module | Course offering | Institution | Remarks |
|---|---|-------------|--|
| Geotechnical and Foundation Engineering (Select one course only) | BC5210 Geotechnical and Foundation Engineering for Building Engineers | CityU | Postgraduate level, offer in the evening in semester B |
| | BC3669 Soil Mechanics and Engineering Applications | CityU | Undergraduate level, offer in day time |

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|---|--|-------|--|
| | BRE426 Geotechnical and Foundation Engineering | PolyU | Undergraduate level, offer in evening in semester I |
| Temporary Work Design (Select one course only) | BC5015 Advanced Temporary Work Design for Building Engineers | CityU | Postgraduate level, offer in the evening in semester A |
| | BC4617 Temporary Works Design | CityU | Undergraduate level, offer in day time |
| | BRE3931 Temporary Work Design | PolyU | Undergraduate level, offer in evening in semester I |

Stream B (for civil and structural engineering graduates)

| Module | Course offering | Institution | Remarks |
|--|---|-------------|---|
| Construction or Project Management (Select one course only) | BC5106 Project Management | CityU | Postgraduate level, offer in the evening in summer term |
| | BC4412 Construction Management II | CityU | Undergraduate level, offer in day time |
| | BRE 350 Project Management and Procurement | PolyU | Undergraduate level, offer in evening in semester 2 |
| Building Services Engineering (Select one course only) | BC5601 Building Services System and Maintenance | CityU | Postgraduate level, offer in the evening in semester B |
| | BC3631 Building Services | CityU | Undergraduate level, offer in day time |
| | BRE453 Building Services II | PolyU | Undergraduate level, offer in evening in semester 2 |

CPD events - 16 hours of approved CPD events

Medium of Instruction

English

Contact Hours

The course lasts for 16 weeks for CityU and 14 weeks for PolyU. The total contact hour is 100 including 84 hours of taught course and 16 hours of CPD events (the CPD events have to be taken by candidates themselves and approved by the course leader before the certificate is awarded).

Assessment and Award

The taught module will be assessed by coursework and examination. Students who have passed the taught courses with at least 70% attendance and completed CPD events will be granted a Certificate of Completion in Building Studies. Students are required to provide evidence of CPD attendance for consideration of the examination committee.

Moderators (proposed)

Ir Joseph Chan, Chairman, Building Discipline Advisory Panel, HKIE

Ir Dr. KC Lam, Associate Professor, Department of Building and Construction, CityU

Ir Dr. Michael Yam, Associate Professor, Department of Building & Real Estate, PolyU

Schedule and Venue

Undergraduate classes are tentatively scheduled in the evening at PolyU and in the daytime at CityU

Postgraduate classes are tentatively scheduled during weekday evening at CityU or designated venues.

Application and Admissions

Entrance Qualifications

Stream A

Degree holders from non-HKIE accredited programs in Building*; OR

Those who have passed Chartered Institute of Building (CIOB) Final Examination

Stream B

Degree holders from civil engineering and structural engineering program*

*Applicants should check with HKIE for whether their degrees are recognized by the Building Discipline before applying the program

Enrolment procedures and fees

CityU

Applicants who do not wish to pursue a full programme of study at the University may apply for admission as a visiting student to attend selected course(s) and take the assessment as defined in the programme scheme. Visiting students will only be admitted if the relevant School/ Department is satisfied with their academic suitability for the course(s) applied for, and if there are places in the lecture groups for the course(s) concerned.

Courses at Bachelor level is HK\$2800 per credit, and Master level is HK\$2240 per credit (subject to yearly review).

The details of the information please refer to the following web-site:
http://www.cityu.edu.hk/admo/admo_new/admo_web/under_adm_visiting_students.htm#anchor6

Application and Enquiries

If you are interested in applying for the course (Stream A or B), please contact Ms Joyce Miu of **Department of Building & Construction, City University of Hong Kong, 83 Tat Chee Avenue, Kowloon.**

Enquiry

Ms Joyce Miu

Tel: 2788 7122 Fax: 2788 7612

Email: cljoyce@cityu.edu.hk

PolyU

For application procedures, applicants should direct their enquiries to the Department of Building & Real Estate and obtain an application form for subject-based admission. Applicant should supply information concerning their academic qualifications and working experience. Interview may be required to assess the suitability of the applicants.

The prevailing subject fee would be HK\$2,400 per credit (subject to yearly review).

For more information regarding the Department and the subjects offered, applicants may refer to the following website:

<http://www.bre.polyu.edu.hk/>

Application and Enquiries

If you are interested in applying for the course (Stream A or B), please contact Ms Gracie Ip of the Department of Building & Real Estate, The Hong Kong Polytechnic University, Hung Hom, Kowloon.

Enquiry

Ms Gracie Ip

Tel: 2766 7770 Fax: 2764 5131.

Email: bsgracie@inet.polyu.edu.hk