

Professional Courses in Public Health and Plumbing Engineering (2024)

Background

Since the outbreak of SARS in 2003, plumbing and drainage systems have become a focal point, where virus could be transmitted through improper system designs. In 2015, the matter of lead in drinking water has brought Water Safety into focus. A few years later, the COVID-19 pandemic is here, re-emphasizing the importance of drainage professionalism to the public. The Chartered Institute of Plumbing and Heating Engineering (CIPHE), as a professional body in plumbing and drainage engineering, takes the initiative to provide a fundamental training in plumbing and drainage design and installation.

Department of Civil and Environmental Engineering (CEE) of The Hong Kong Polytechnic University (PolyU) has been actively involved in water engineering in Hong Kong. CEE is glad to provide support as partner organization with the Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch (CIPHE-HKB) in offering a series of professional courses in Public Health and Plumbing Engineering. This will be the 21st intake of the courses organized by CIPHE-HKB since 2005.

Objectives

These courses are intended to provide a professional training on public health, plumbing and drainage design including water supply and drainage works. Upon completion of these courses, participants will be able to:

- acquire the knowledge on the system design, problem solving, equipment and material selection of plumbing and drainage for installations and;
- apply the knowledge and techniques in practical plumbing and drainage engineering applications.

Target Participants

These courses are designed for practitioners in the field of Plumbing and Drainage, including engineers, supervisors, managers and other technical executives who need to apply plumbing design with public health knowledge to achieve better results in new building projects and renovation works in existing buildings.

Entrance Requirements

Applicants **shall** possess a Higher Diploma or Higher Certificate in Engineering / Building Studies / Construction related discipline or equivalent. Enrolment subjects to the decision of CEE and CIPHE-HKB. Entry test and/ or interview may be required.

Medium of Instruction

English, supplemented by Cantonese.

Venue

Online teaching by Zoom Meeting organized by CIPHE-HKB. Student performance evaluation and assessment at the end of each module will be conducted by CEE by paper assessment subject to the final decision of CEE / PolyU.

Places are limited with a maximum of eighty (80) are allowed for the courses. CIPHE-HKB and CEE reserve the right to close application before the closing dates specified. Five (5) places will be reserved to those who had studied in Intake 19 (year 2022) & Intake 20 (year 2023) and surplus will be released to new applicants if not filled.

Courses Structure

The courses include 3 modules and each contains 10 lessons (3 hours each) and a 2-hour evaluation.

Module Title	Topics	Duration (hours)
Module 1 Plumbing Design and Installation	Potable and flushing water safety quality and supply system design (domestic, commercial, hospital and high-rise buildings). Hot water supply system including steam boiler design (residential, commercial, hospital and high-rise buildings, etc.). Piping materials, pump characteristic and selections. Up-feed water pump, system sizing and calculations Regulations and design guidelines for hot, cold and flushing water supply systems.	32 Lecture: 30 Exam: 2
Module 2 Sanitary System, Drainage, Sewerage Design and Installation and Health Consideration	Design of plumbing disposal and treatment system. Below ground drainage system design and submersible pump design Surface water drainage and sump pit design. Domestic sewage and effluent treatment. Regulations and design guidelines for building drainage and sewage treatment installations.	32 Lecture: 30 Exam: 2
Module 3 Safety, Green and Miscellaneous Plumbing Systems Design and Installation	Design for kitchens, spa, recycling system for cooling tower. Swimming pool water supply system and treatment. Operation, management, testing & commission maintenance procedures. Sustainability / green design. Water safety plan on building, fire prevention, industrial safety.	32 Lecture: 30 Exam: 2

Tentative Schedule (2024 Rescheduled)

Lesson	1	2	3	4	5	6	7	8	9	10	11 (Exam)
Time	7:00pm - 10:00pm										7:00pm - 9:00pm
Module M1	03/03/25 (Mon)	06/03/25 (Thu)	10/03/25 (Mon)	13/03/25 (Thu)	17/03/25 (Mon)	20/03/25 (Thu)	24/03/25 (Mon)	27/03/25 (Thu)	31/03/25 (Mon)	03/04/25 (Thu)	12/04/25 (Sat)
Module M2	14/04/25 (Mon)	17/04/25 (Thu)	24/04/25 (Thu)	28/04/25 (Mon)	08/05/25 (Thu)	12/05/25 (Mon)	15/05/25 (Thu)	19/05/25 (Mon)	22/05/25 (Thu)	26/05/25 (Mon)	07/06/25 (Sat)
Module M3	09/06/25 (Mon)	12/06/25 (Thu)	16/06/25 (Mon)	19/06/25 (Thu)	23/06/25 (Mon)	26/06/25 (Thu)	30/06/25 (Mon)	03/07/25 (Thu)	07/07/25 (Mon)	10/07/25 (Thu)	19/07/25 (Sat)

Tuition and Other Fees

New applicants are required to take the entire module and the tuition fee for each module is HK\$5,300. A whole course consists of M1, M2 and M3 which includes project assessment fee and the total tuition fee is HK\$15,900. For students who are required to take re-exam, a re-exam fee of HK\$350 per course is needed to be paid to CIPHE-HKB. Students of Intake 19 and Intake 20 who failed individual module can apply for respective module only.

For the exemption of Professional Plumber Practical Examination (PPPE) written examination, new applicants can **ONLY** take M1 classes. The assessment and tuition fee is HK\$5,300.

Application Period:

Starting Date: From Now

Closing Date: 14 February 2025

Certification

By PolyU CEE:

Certificate of Completion will be issued for each course to participants who have attended at least 70% of the classes and completed all requirements of that course. Certificate of Attendance is to be issued to students who have attended 100% of the classes but failed to pass the assessment(s) of that course.

By CIPHE-HKB:

On or before this intake, those who have successfully completed all 3 courses are eligible to apply for the “**Professional Diploma in Public Health and Plumbing Engineering**” which is based on required performance of the courses.

The students are recommended to submit a design project in related topics listed by CIPHE-HKB. A maximum of 10% of overall marks will be added with the submission of project. In addition, students are also recommended to attend a 3-hour CPD seminar on related topic in their design projects. Details of the project and the seminar will be announced in the class.

For PPPE Exemption by CIPHE-HKB:

Certificate of Completion will be issued by CIPHE-HKB to participants who have attend at least 70% of the classes and passed the examination of Module 1.

Application Procedures

Please send your duly completed application form with copies of academic qualification certifications and course fee in the form of crossed cheque made payable to “**CIPHE-HK**” on or before the respective closing date mentioned to the following address:

The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch
P.O. Box 62531, Kwun Tong Post Office, Kowloon

Notes for Applicants

- a) Incomplete application forms and post-dated cheques will not be accepted.
- b) If application has exceeded the maximum allowable places of the courses, applicants will be selected by random draw with the witness of committee members of CIPHE–HKB and representatives of PolyU.
- c) Priority will be given to members of CIPHE. Remaining places will be offered to other applicants who have fulfilled the entrance requirements which will be verified by CIPHE–HKB and CEE.
- d) Applicants will be notified by mail or email of the application result on or before ***21 February 2025***. Courses’ details will be sent to successful applicants by email before the course commencement date. Applicants make sure their email address are functional email address and fee paid.
- e) Applicants are recommended to apply as early as possible. Qualified applicants may be considered for the next intake when places are filled.
- f) Applicants may apply all three modules or partial modules, but should note that the final acceptance is subject to the decision of CIPHE–HKB and CEE.
- g) The CIPHE–HKB and CEE reserve the right to cancel any courses if there is insufficient enrolment or unforeseeable circumstance. For course cancellation, fees will be refunded by ordinary post.

- h) Fees paid are not refundable except for course cancellation or unsuccessful application.
- i) Applicants are required to provide active and valid personal email address for PolyU accessible QR code application to visit PolyU campus.
- j) For Group Application (i.e. a group of applicants for 5 nos and above, who are within the same company / institution) can enjoy the discount HK\$300 / module. A letter of endorsement issued by the company / institution shall be submitted.**
- k) Applicants shall ensure his/her device for the online ZOOM class equipped with camera. And the camera shall be turned on to show his/her attendance during online class.**
- l) The results of examination for ALL module shall be released after Module 3 examination.
- m) This Professional Diploma is considered by CIPHE-HKB to be equivalent as one of the academic qualifications for its FULL member (MCIPHE) application. While, MCIPHE application shall be under separate assessment by CIPHE-HKB, including the assessment criteria of post-academic working experience, etc.
- n) Applicants shall acknowledge the level of the course. All paid fees for refund shall not be entertained due to personal capability for withdrawal.
- o) Applicants are encouraged to submit his/her application to CIPHE membership when submitting this application. CIPHE membership application form with details and related required documents can be downloaded at
https://ciphe.org.hk/Join_CIPHE_Forms.html.

Applicants shall be acknowledged that CIPHE membership shall be under separate assessment subject to his/her application in compliance with the academic and work experience requirements.

Application Form

Professional Courses in Public Health and Plumbing Engineering (2024)

Photo
(Please affix the recent
photo)

1 Personal Particulars

Name in English (as shown on HKID Card/ Passport*)

Name in Chinese

Gender* Male / Female

Chinese Character Code

Date of Birth

Day Month Year

HKID Card/ Passport No.* If you are a non-local applicant, please enter 'Y'

Nationality

Correspondence Address

Tel. No. (Home) Tel. No. (Office) Fax No.

Mobile Phone No. E-mail Address _____

**Please delete as appropriate.*

2 Course Particulars

Please tick	Module Title	Module Code	Tentative Module Duration	Fee	Cheque No.
<input type="checkbox"/>	1. Plumbing Design and Installation	M1	03 March – 12 April 2025	HK\$5,300	
<input type="checkbox"/>	2. Sanitary System, Drainage, Sewerage Design and Installation and Health Consideration	M2	14 April – 07 June 2025	HK\$5,300	
<input type="checkbox"/>	3. Safety, Green and Miscellaneous Plumbing Systems Design and Installation	M3	09 June – 19 July 2025	HK\$5,300	
Total Fee HK\$					

3 Academic Qualifications

Please complete this part as relevant to the entry requirements.

Awarding Institution	Title of Award	Year of Award

4 Professional Qualifications

Awarding Institution	Title of Award	Year of Award

5 Working Experiences

From (mm/yy)	To (mm/yy)	Full Time / Part Time	Name of Organization	Position	Occupation (Enter Code) [#]

[#] **Occupation Codes**

- | | | |
|--------------------------------------|-----------------------------|-----------------------------------|
| 1 Accounting | 06 Education | 11 Social Services |
| 2 Administration & Management | 07 Engineering | 12 Surveying |
| 3 Advertising | 08 Literary & Creative Work | 13 Transport and Logistics |
| 4 Banking & Financial Services | 09 Marketing & Sales | 14 Others (please specify: _____) |
| 5 Computing & Information Technology | 10 Public Relations | |

6 Other Information

Are you a student of Intake 19 and Intake 20?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are you a member of the Chartered Institute of Plumbing and Heating Engineering?	<input type="checkbox"/> Yes, Member No.: _____ <input type="checkbox"/> No

7 Declaration

I authorise The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch (CIPHE-HKB), the Department of Civil and Environmental Engineering (CEE) of PolyU, to use my personal data for the following purposes:

1. Processing my application for admission. My personal data will be transferred to the student record system when I am offered a place of study. The data will also be used by relevant offices within The Hong Kong Polytechnic University (PolyU) and CIPHE-HKB, in activities in support of my study at PolyU.
2. Statistical and research purposes (no personal identifiers such as name, HKID number, correspondence address and telephone number will be released in the survey results).
3. Delivering the announcements of departments/ offices of PolyU and CIPHE-HKB and other promotional information related to activities, programmes, and benefits and services to me. My data including name, e-mail address, correspondence address, telephone number and fax number may be used for this purpose.

If you **do not** wish to receive information as stated in item 3, please put a cross 'X' in the box on the right.

I declare that all particulars given in this form are true and correct to the best of my knowledge and understand that provision of any false and misleading information will lead to disqualification of my application and registration for the courses with the institutions. Any fees paid will not be refunded.

I have read all the details above and understand the declaration I made (including the arrangement on the use of personal data).

I declare the understanding of all statements indicated on the flyer and application form.

08/2024

Signature

Date

To be completed by the Course Organizer

Admitted Rejected Waiting List

Name of Course Organizer: _____ Signature: _____ Date: _____

Guide for Applicants

Instructions on completing the application form

1. Complete the form in English and print in block letters.
2. Complete each part in full as appropriate.
3. Complete the application form clearly and accurately. Incomplete application forms will not be processed.
4. Sign the application form before submitting your application.
5. Non-local applicants — A "non-local student" is defined as one who requires a student visa/ entry permit to study in Hong Kong or is staying in Hong Kong under the "Immigration Arrangements for Non-local Graduates" (IANG). Non-local applicants who possess only a visitor or a tourist visa can neither be registered as students nor commence their studies until they have obtained student visas. If one holds a dependent visa, she / he does not require a student visa and will be regarded as a local student. If one holds a work permit and takes up a part-time programme, she / he will also be regarded as a local student. If one holds neither a work permit nor a dependent visa, it is unlikely that the Immigration Department of the HKSAR Government will grant him / her a student visa to take up a part-time programme. Throughout the course of study, it is the responsibility of individual students to ensure that their visas are valid. For details, contact the Immigration Department of the HKSAR Government (Tel: 2824 6111; Website: <http://www.immd.gov.hk/eng/services/visas/study.html>).

Submission of application

6. The closing date for application: **14 February 2025**.
7. The completed application form, copies of academic qualification certifications and crossed cheque payable to "**CIPHE-HK**" should be submitted to the following address before the closing date as specified above:

The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch (CIPHE-HKB)
P.O. Box 62531, Kwun Tong Post Office, Kowloon

8. Issue a crossed cheque and write your full name and module code(s) at the back of the cheque
9. Applicants for the membership shall submit his/her application in separate envelop with all required information. The details shall refer to the website. Applicant shall affix sufficient postage to the envelope for mailing the application. Any underpaid mail items will be disposed of by the Hong Kong Post.

Notification of application results

10. Applicants will be notified the results of their applications by mail or email on or before **21 February 2025**. Please contact CIPHE-HKB if you do not receive any notification 1 week before course commencement.
11. Unsuccessful applicants will be notified of the results by CIPHE- HKB via mail or email. The cheque for the fees will be returned by ordinary mail.
12. **Applicants who applied for the CIPHE membership will be notified separately.**

Fee refund policy

13. Fees paid are normally not refundable, except for cases of unsuccessful applications or course cancellation. Fees paid and places allocated are not transferable.

Certification

14. Certificate for the respective courses will be issued by CEE PolyU to those students who have achieved at least 70% attendance **AND** completed all requirements of that course. Certificate of Attendance will be issued to students who have attended 100% of the classes but failed to pass the assessment(s) of that course.
15. Students who have successfully completed all 3 courses (within three successive intakes) are eligible to apply for the "**Professional Diploma in Public Health and Plumbing Engineering**" issued by CIPHE-HKB.
16. Certificate of Completion will be issued by CIPHE-HKB to participants for PPPE exemption who have attend at least 70% of the classes and passed the examination of Module 1.
17. No certificate will be re-issued.

Use of information

18. Personal data provided as part of an application for admission will, during the admission process, be used solely for the purpose of admission, and in this connection the data will be handled by relevant offices within The Hong Kong Polytechnic University (PolyU), CIPHE-HKB and other partnering institutions in offering the course, if any.
19. Application documents and other related information of unsuccessful applicants will be destroyed within six months after the admission process has been completed.
20. Application documents of successful candidates will become part of the student file and the data will thereafter be handled by other faculties/ departments/ offices of PolyU and CIPHE-HKB.
21. Under the provisions of the Personal Data (Privacy) Ordinance, applicants have the rights to request access to, and the correction of, their personal data. Applicants wishing to get access or make corrections to their data should submit written requests to CEE PolyU.

Enquiries

The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch
Tel: 2417 0091 (Monday to Friday, except public holidays, 9:30am - 12:30pm)
Fax: 2417 9719
Email: info@ciphe.org.hk (please provide contact telephone number)
Website: www.ciphe.org.hk

CIPHE-HKB, PolyU CEE reserve the rights to cancel any courses, and to make variations to the schedules, contents, and mode of delivery of the courses offered.

08/2024