

BPDA / BPDP

Building Information Modelling (BIM) in Plumbing and Drainage - Revit

建築信息模擬水管和排水課程 – Revit

The objective of this course is to train students to acquire a wide variety of plumbing and drainage BIM modelling skills, covering both fundamental and advanced themes.

本課程的目標是培訓學生掌握各種水管和排水的建築信息模擬技能，涵蓋基礎和進階主題。

	BPDA	BPDP
Lecturer 講師	Professionals 專業人士	
Medium of Instruction 授課語言	Cantonese supplemented with English technical terms 廣東話輔以英文詞彙	
Mode of Attendance 授課形式	Part-time day course 日間部份時間制： 09:00 - 18:00 (Lesson 1 - 4) (第一至四堂) 09:00 - 16:30 (Lesson 5) (第五堂)	Part-time evening 夜間部份時間制： 19:00 - 22:00 (Lesson 1 - 12) (第一至十二堂) 19:00 - 21:30 (Lesson 13) (第十三堂)
Duration 授課期	8 hours x 4 sessions & 6.5 hours x 1 session 8小時 x 4堂 及 6.5小時 x 1堂	3 hours x 12 sessions & 2.5 hours x 1 session 3小時 x 12堂 及 2.5小時 x 1堂
Award of Certificate 證書頒發	1) Completion Certificate <ul style="list-style-type: none"> • Attended 33 hours or above; • Completed all continuous assessments; • Passed final assessments (passing mark: 50); • Obtained 60 marks or above for the programme average. 1) 結業證書 <ul style="list-style-type: none"> • 出席課堂33小時或以上； • 完成所有持續評核； • 考試取得合格成績 (合格分數：50)； • 取得課程平均分60分或以上。 	
Venue 上課地點	HKIC Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon 九龍 九龍灣大業街 44 號香港建造學院九龍灣院校	
Admission Requirements 入學條件	<ul style="list-style-type: none"> • Completion of a BIM software / platform training course at operation level as recognised by CIC OR possession of any certification of BIM software at operation level issued by respective software developers; and • Basic knowledge of plumbing and drainage; and • At least one year of work experience in plumbing and drainage industry. <ul style="list-style-type: none"> • 曾修畢至少一個建造業議會認可的建築信息模擬軟件課程，或持有任何由軟件開發商頒發的建築信息模擬軟件課程證書；及 • 基本的水管道和排水知識；及 • 具有至少一年管道及排水行業的工作經驗。 	
Course Fee 課程費用	\$3,980.00	
Enquiry 查詢課程	2100 9000 / 2100 9526	
Application Method 報名方法	Please apply online on SPDC portal 請透過建造專業進修院校的 網上報名系統 報名	

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Course Content 課程內容	
1. General Setting	<ul style="list-style-type: none"> ● Introduction of BIM Standard ● Coordinate System Setting (Survey / Project Point) ● Mechanical Setting (Pipe Type / Size / Segment / Angles) ● Linking Model Method ● MEP Filter Setup ● MEP Template Setup ● View Range Setup ● Project Standard Transfer ● Copy and Monitor Method
2. Family	<ul style="list-style-type: none"> ● Create the Family (Pump / Water Tank) ● Create the Lookup Table in Pipe Fitting / Accessories ● Download Family form Online Library Source
3. Plumbing Modelling	<ul style="list-style-type: none"> ● Create Routing Preference ● Adding Fixture, components and domestic supply piping ● Modelling of pressurized water network ● Adding pipe accessories ● Create Plumbing System ● Create Beam and Wall Opening ● Introduction practical MEP – Revit Add in (Align Test / Opening Generation)
4. Drainage Modelling	<ul style="list-style-type: none"> ● Create Routing Preference ● Adding Sanitary Fixture ● Adding Sanitary Sloped Pipe ● Create Sanitary System ● Modelling of Underground – Rainwater and Sewerage
5. Drawing Production	<ul style="list-style-type: none"> ● Introduction for CIC BIM Guide “using BIM to create MEP digital drawing” ● Creating Sheet and Title Box ● View Control Setup ● 2D Drafting Tools ● Tagging Item Method ● Marking and Controlling Revisions
6. Practical Project Exercise	<ul style="list-style-type: none"> ● Layout Drawing Generation (Residential / Commercial Building) – Carpark / Basement / Podium / Underground ● Detail Drawing Generation (Water Tank Room / Toilet / Kitchen / Bathroom / Meter Room) ● Building Work drawing generation (Beam / Wall opening)
7. Quantity Take - Off	<ul style="list-style-type: none"> ● Create Share / Project Parameter ● Create Schedules including pipe, fitting ● Introduction for HKSMM4 / HKSMM5 / HKIS’s BIM Measurement Information Requirements (MIR)
8. MEP Fabrication Parts	<ul style="list-style-type: none"> ● Optimization of Fabrication Parts ● Adding Fabrication Parts Manually ● Adding Pipe Hanger ● Tagging Fabrication Parts ● MIMEP