



BTFZ / BTNZ

Professional Certificate for Building Information Modelling (BIM) Manager-Top Up

建築信息模擬經理專業證書銜接課程

To train up CIC-Certified BIM Coordinator to be eligible as a CIC-Certified BIM Manager under the BIM Certification and Accreditation Schemes.

培訓建造業議會認證的建築信息模擬協調員，使其有資格成為建造業議會認證的建築信息模擬建築信息模擬經理。

	<u>BTFZ</u>	<u>BTNZ</u>
Lecturer 講師	Professionals 專業人士	
Medium of Instruction 授課語言	Cantonese 廣東話	
Mode of Attendance 授課形式	Part-time day course 日間部份時間制： 09:00 to 17:00	Part-time evening 夜間部份時間制： 19:00-22:00
Duration 授課期	7 hours x 3 sessions 7小時 x 3堂	3 hours x 7 sessions 3小時 x 7堂
Award of Certificate 證書頒發	1. Completion Certificate (i) Attended 18 hours or above; (ii) Completed all continuous assessments (iii) Completed and passed final assessments (iv) Obtained 50 marks or above for the programme average. 2. Certificate of Attendance (i) Attended 18 hours or above. 1. 結業證書 (i) 出席課程18小時或以上； (ii) 完成所有持續評核； (iii) 完成期末評核及取得合格成績； (iv) 取得課程平均分50分或以上。 2. 出席證書 (i) 出席課程18小時或以上。	
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	1) Holder of a recognised Higher Diploma or above qualification in architecture, engineering, surveying or construction, offered by a post-secondary institution, or equivalent; and 2) Have at least two years' experience in relevant fields of project management in construction industry, such as architecture, engineering, surveying or construction; and 3) Completed the CIC-accredited BIM Coordinator Course. 1) 持有由認可專上教育機構頒發的建築(architecture)、工程(engineering)、測量(surveying)或建造(construction)相關高級文憑；或同等學歷；及 2) 具備2年或以上建造業有關範疇的管理工作經驗，如建築、工程、測量或建造等；及 3) 完成建造業議會認證的建築信息模擬協調員課程	
Course Fee 課程費用	\$4,900.00	
Enquiry 查詢課程	2100 9000 / 2100 9525	
Recognition 資格承認	Successful completion of this programme is one of the criteria for registration as a CIC-certified BIM Manager. 完成此課程可符合其中一項申請註冊建造業議會認可建築信息模擬課程經理的條件。	
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	



BTFZ / BTNZ

Professional Certificate for Building Information Modelling (BIM) Manager-Top Up

建築信息模擬經理專業證書銜接課程

Course Content

課程內容

1. BIM Uses and Processes

1.1 Client BIM Strategic Stage

- 1.1.1 Determine the information management and CDE strategy
- 1.1.2 Determine the BIM/AIM/GIS strategy
- 1.1.3 Determine level of development in the context of graphics and information under LOIN
- 1.1.4 Determine level of integration of digital information into asset and facility management
- 1.1.5 Case study

1.2 Pre-tender Project Stage

- 1.2.1 Determine and oversee the development of Appointing Party requirements
 - 1.2.1.1 Organisational Information Requirements (OIRs)
 - 1.2.1.2 Asset Information Requirements (AIRs)
 - 1.2.1.3 Project Information Requirements (PIRs)
 - 1.2.1.4 Security Information Requirements (SIRs)
- 1.2.2 Exchange Information Requirements (EIRs)
- 1.2.3 Determine project technology and systems requirement and integration
- 1.2.4 Determine project delivery requirements and identify appropriate BIM Uses
- 1.2.5 Contract and consultancy requirement
- 1.2.6 Assessment of supply chain capability and capacity
- 1.2.7 Case study

1.3 Definition & Design Stage

- 1.3.1 BIM Execution Plan developed by supply chain
 - 1.3.1.1 Pre-appointment BIM Project Execution Plan
 - 1.3.1.2 Post-appointment BIM Project Execution Plan
- 1.3.2 Supervision in fulfilling BIM uses in planning and design stages listed in CIC BIM Standards
- 1.3.3 Project Information Model (PIM) data exchanges and validation
- 1.3.4 BIM PIM file setup
 - 1.3.4.1 BIM origin point and orientation setup
 - 1.3.4.2 Model division
 - 1.3.4.3 Modelling methodology
 - 1.3.4.4 Project-based industry and BIM standards
- 1.3.5 Direct BIM-related meetings
 - 1.3.5.1 Meeting with Appointing Party and Appointed Parties
 - 1.3.5.2 Meeting for multidiscipline design collaboration
 - 1.3.5.3 Internal steering and coordination meeting
 - 1.3.5.4 Meeting with or giving presentation to external stakeholders
- 1.3.6 Case Study

Course Content

課程內容

1.4 Construction Stage

1.4.1 BIM Execution Plan developed by supply chain

1.4.1.1 Pre-appointment BIM Project Execution Plan

1.4.1.2 Post-appointment BIM Project Execution Plan

1.4.2 Supervision in fulfilling BIM uses in construction listed in CIC BIM Standards

1.4.3 Project Information Model (PIM) data exchanges and validation

1.4.4 Direct BIM related meetings

1.4.5 Case study

1.5 Handover Stage

1.5.1 As-built information verification

1.5.2 Oversee data transfer from PIM to As-built Information Model (ABIM) and then to Asset Information Model (AIM)

1.5.3 Supervision in fulfilling BIM uses in handover stage listed in CIC BIM Standards

1.5.4 Case study

1.6 Operation & Maintenance Stage

1.6.1 Update Asset Information Model (AIM)

1.6.2 Roles, responsibilities and authorities for maintaining the AIM

1.6.3 Post-occupancy evaluation

1.6.4 Case Study

2. Digital Information Management, Collaboration and Integration

2.1 Digital Information Management

2.1.1 Determine level of development in the context of graphics and information in different stages under LOIN

2.1.2 Determine level of integration of digital information into asset and facility management

2.2 Common Data Environment (CDE)

2.2.1 Setup of CDE

2.2.2 Assessment and selection of CDE

2.2.3 Management of CDE

Course Content

課程內容

3. Commercial and Contractual Aspects

3.1 Commercial Issues

3.1.1 Establish BIM-ready environment to support the corporation

3.1.1.1 BIM strategy in organisation level

3.1.1.2 Challenges in BIM implementation

3.1.1.3 Phases in BIM implementation

3.1.1.4 Hardware requirement for BIM

3.1.1.5 Software requirement for BIM

3.1.1.6 Manpower management for BIM

3.1.1.6.1 Staff plan

3.1.1.6.2 Staff recruitment

3.1.1.6.3 Staff training

3.1.2 Promotion of adopting BIM in office/to appointing party

3.1.2.1 Value and benefit of adopting BIM

3.1.2.2 Value and benefit of data and information from BIM

3.1.2.3 Evaluating Return on Investments (ROI) of adopting BIM

3.2 Contract Issues

3.2.1 Ownership of data

3.2.2 Intellectual property right

3.2.3 Legal implication and potential liability

3.2.4 Professional indemnity

3.2.5 Introducing NEC4 and Option X10 for BIM

3.2.6 Commercial implications for contracts and insurances in relation to BIM