

BIC (M)

**BUILDING INFORMATION MODELLING (BIM) ADVANCED MODELLING COURSE (STRUCTURE) – REVIT**

建築信息模擬進階課程(結構) - REVIT

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 : 09:30-17:00
Duration 授課期	6 hours x 5 sessions 6小時 x 5堂
Commencing & course date 開課及上課日期	7/5, 14/5, 21/5, 28/5, 31/5
Venue 上課地點	CIC, HKIC Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon 九龍 九龍灣大業街 44 號 建造業議會香港建造學院 九龍灣院校
Admission Requirements 入學條件	Basic knowledge* with hands-on experience in Revit is required; Minimum 2 years structural engineering experience is preferable. 必須具備基本的Revit知識*及操作經驗。不少於2年結構工程經驗更佳。  <i>*Please refer to CIC BIM Basic Modelling Course – Revit for information 詳情請參閱建築信息模擬基礎課程</i>
Award of Certificate 證書頒發	1) Completion certificate - Attended 4 days or above, submitted course work and attained the passing requirements and passed the examination. 2) Certificate of attendance - Attended 4 days or above.  1) 結業證書 - 出席課程4天或以上, 提交作業並達到要求及考試合格。 2) 聽講證書 - 出席課程4天或以上。
Course Fee 課程費用	\$2,500.00
Enquiry 查詢課程	2100 9000 warrenng@cic.hk
Application Form 報名表格	Please use the 'BIC' course application form 請使用印有「BIC」之報名表

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建築信息模擬進階課程(建築設計) - REVIT

<p><b>Course Content</b> 課程內容</p>
<p><b>Start Structural project by integrating project data</b></p> <ul style="list-style-type: none"> <li>• Link model with Copy and Monitor</li> <li>• Import and Export CAD DataSpace</li> </ul>
<p><b>Modelling on Structural discipline</b></p> <ul style="list-style-type: none"> <li>• Structural Wall</li> <li>• Column</li> <li>• Tapered Concrete Columns</li> <li>• Floor</li> <li>• Slabs on Composite Metal Deck</li> <li>• Precast Hollow Core Slabs</li> <li>• Structural Framing (Beams)</li> <li>• Cranked Beams</li> <li>• Beam System</li> <li>• Structural Foundation</li> <li>• Pile and Pile Caps</li> <li>• Isolated Foundation</li> <li>• Wall Foundation</li> <li>• Slab Foundation (Raft)</li> <li>• Trusses and Steel Connections</li> <li>• Steel Bracing</li> <li>• 3D reinforcement</li> <li>• Staircases and Ramp</li> </ul>
<p><b>Structural Analysis</b></p> <ul style="list-style-type: none"> <li>• Preparing Analytical Model</li> <li>• Loads and Load Combinations</li> <li>• Support (Fixed, Pinned, and Partial)</li> <li>• Creating Loading Schedules</li> <li>• Carry out structural analysis based on BIM model</li> <li>• BIM Model linked with common Structural Analysis programs in Hong Kong</li> </ul>
<p><b>Create / customize Families (Structural)</b></p> <ul style="list-style-type: none"> <li>• Systems Families</li> <li>• Component Families</li> <li>• In Place Families</li> <li>• Shared Project Parameters</li> <li>• Create a customize Column Family</li> <li>• Create a customize Beam Family</li> </ul>
<p><b>Drawing Production</b></p> <ul style="list-style-type: none"> <li>• From 3D to 2D Drawing productions</li> <li>• Prepare GA, Structural Plan, Sections, and R.C. views for BD submissions using Revit</li> </ul>
<p><b>Model Standard (Structural)</b></p> <ul style="list-style-type: none"> <li>• Understanding BIM Standards in Hong Kong</li> <li>• Level of Development for Structural Elements</li> </ul>
<p><b>Collaborate with team</b></p> <ul style="list-style-type: none"> <li>• Work sharing by using Workset</li> <li>• Copy and monitor Cross discipline model</li> <li>• Revision Tracking</li> <li>• Legend</li> <li>• Walk Through and Clash Detection by Naviswork</li> <li>• Cloud Collaboration using BIM 360</li> </ul>