

B3DZ / B3EZ

**Building Information Modelling (BIM) Advanced Modelling Course (Civil) – Civil 3D**

建築信息模擬進階課程 (土木工程) – Civil 3D

The course aims at providing participants with advanced training to use Civil 3D as a civil engineering BIM solution. 本課程旨在提供進階培訓予參與者，以掌握使用Civil 3D作為土木工程建築信息模擬的解決方案。

	<b><u>B3DZ</u></b>	<b><u>B3EZ</u></b>
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： 09:00-17:30	Part-time evening 夜間部份時間制： 19:00-22:00
Duration 授課期	7.5 hours x 4 sessions 7.5小時 x 4堂	3 hours x 10 sessions 3小時 x 10堂
Award of Certificate 證書頒發	1) Completion certificate - Attended 3.5 days or above, submitted course work and attained the passing requirements and passed the examination. 2) Certificate of attendance - Attended 3.5 days or above. 1) 結業證書 - 出席課程3.5天或以上，提交作業並達到要求及考試合格。 2) 出席證書 - 出席課程3.5天或以上。	1) Completion certificate - Attended 8 sessions or above, submitted course work and attained the passing requirements and passed the examination. 2) Certificate of attendance - Attended 8 sessions or above. 1) 結業證書 - 出席課程8堂或以上，提交作業並達到要求及考試合格。 2) 出席證書 - 出席課程8堂或以上。
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	Basic knowledge* with hands-on experience in Civil 3D is required; Minimum 2 years Civil engineering experience is preferable. Good command of English is required. 必須具備基本的Civil 3D知識*及操作經驗。不少於2年土木工程經驗更佳。需具有良好英語水平。  *Please refer to CIC BIM Basic Modelling Course – Civil 3D for information 詳情請參閱建築信息模擬基礎課程	
Course Fee 課程費用	\$3,280.00	
Enquiry 查詢課程	2100 9000 / 2100 9891	
Application Method 報名方法	Please apply online on <a href="#">SPDC portal</a> 請透過建造專業進修院校的 <a href="#">網上報名系統</a> 報名	

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<b>Course Content 課程內容</b>
<b>Civil 3D Bridge Extension</b>
<ul style="list-style-type: none"> <li>• Create Bridge Corridor</li> <li>• Generate Structural Elements</li> </ul>
<b>Grading</b>
<ul style="list-style-type: none"> <li>• Creating and Editing Feature Lines</li> <li>• Grading Objects</li> <li>• Grading Volumes</li> </ul>
<b>Pipe Networks</b>
<ul style="list-style-type: none"> <li>• Configuring Pipe Networks</li> <li>• Creating a Pipe Network from Objects</li> <li>• Laying Out a Pipe Network</li> <li>• Editing Pipe Networks</li> <li>• Interference Checking with Pipe Networks</li> <li>• Annotating Pipe Networks</li> <li>• Pipe Reporting</li> </ul>
<b>Pressure Pipe Networks</b>
<ul style="list-style-type: none"> <li>• Configuring Pressure Pipe Networks</li> <li>• Creating A Pressure Pipe Network from Objects</li> <li>• Laying Out a Pressure Pipe Network</li> <li>• Editing Pressure Pipe Networks</li> <li>• Interference Checking with Pressure Pipe</li> <li>• Adding Pressure Pipe Networks to Different Views</li> <li>• Annotating Pressure Pipe Networks</li> </ul>
<b>Quantity Take-off</b>
<ul style="list-style-type: none"> <li>• Section Volume Calculations</li> <li>• Earthwork Volumes</li> <li>• Material Volumes</li> <li>• Quantity Take-off</li> <li>• Mass Haul Diagrams</li> </ul>
<b>Creating Sheets</b>
<ul style="list-style-type: none"> <li>• Creating Plan Sheets</li> <li>• Creating Cross Section Sheets</li> <li>• Sheet Sets Overview</li> </ul>
<b>Parcels</b>
<ul style="list-style-type: none"> <li>• Creating Parcel from Objects</li> <li>• Row Parcels</li> <li>• Editing and Labelling Parcels</li> <li>• Parcel Tables and Reporting</li> </ul>
<b>Civil 3D Borehole Management</b>
<ul style="list-style-type: none"> <li>• Data Management</li> <li>• Import Geotechnical Data</li> <li>• Asset Management</li> <li>• Strata Surfaces</li> </ul>
<b>Subassemblies Advance</b>
<ul style="list-style-type: none"> <li>• Creating a subassembly</li> <li>• Importing a subassembly into AutoCAD Civil 3D</li> <li>• Editing a subassembly</li> <li>• Using Target Parameters in a Subassembly</li> <li>• Adding conditional Behaviour to a subassembly</li> <li>• Calculation parameter values</li> </ul>
<b>Parts Builder</b>
<ul style="list-style-type: none"> <li>• Parametric Parts</li> <li>• Part Configuration</li> <li>• Modelling a part in part builder</li> <li>• Using work planes in Part Builder</li> <li>• Defining Geometry in Part Builder</li> <li>• Dimension in Parts Builder</li> <li>• Constraints in Part Builder</li> <li>• Creating Profiles in Part Builder</li> </ul>