Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

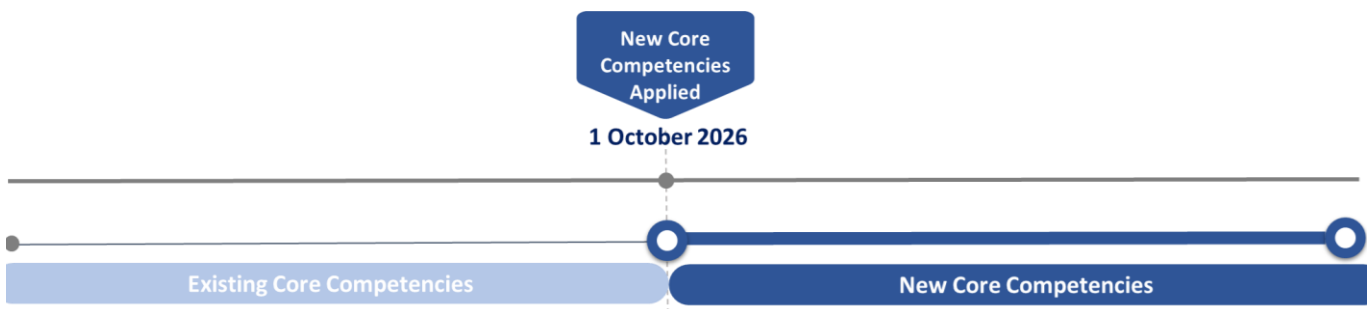## BIMCAS 2026 New Enhancement

Background

To keep pace with industry needs, CIC regularly reviews the core competency requirements and core subjects under the BIM Certification and Accreditation Schemes (BIMCAS). The last enhancements were made in 2022.
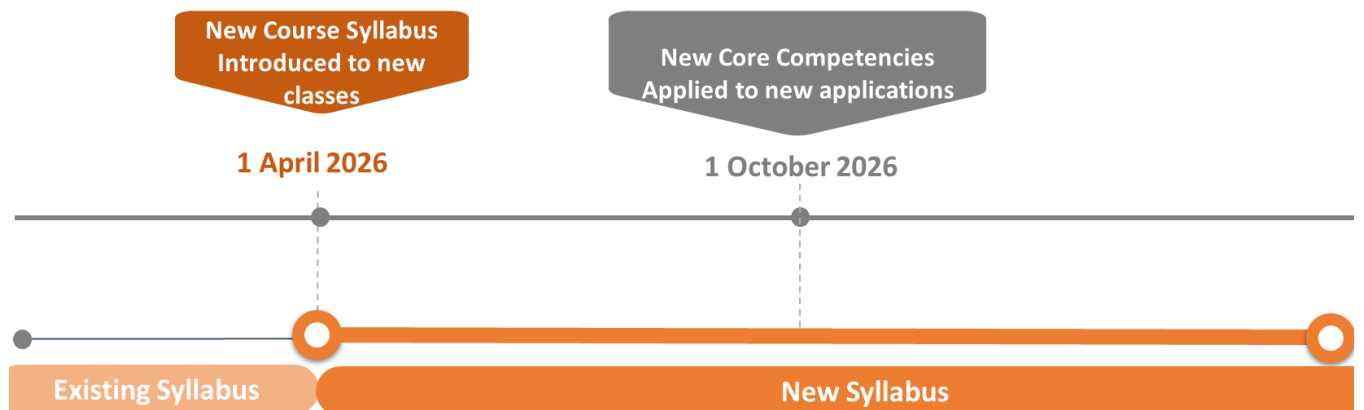
The BIM Certification and Accreditation Schemes (BIMCAB) has approved the enhancements on 15 October 2025. These updates aim to maintain relevance and further strengthen the quality of BIM training and certification.

The major enhancements are listed below:

1. Enhancements to the Core Competency Requirements for the BIM Personnel Certifications
    - Core Competencies of a BIM Managers (CCBM) and BIM Coordinator (CCBC)
    - Detailed Core Competencies of CCBM and CCBC

2. Enhancements to the Lists of Core Subjects for the BIM Training Course Accreditations
    - Accreditation of BIM Manager and BIM Manager Top-up Courses
    - Accreditation of BIM Coordinator Courses and BIM Coordinator Top-up Course

BIMCAS 2026 New Enhancement

1. Enhancements to the Core Competency Requirements for the BIM Personnel Certifications

The effective date of the enhanced core competency requirements is 1 October 2026. From this date onward, all certification applications must comply and be assessed with the enhanced requirements.

1.1. Core Competencies of a BIM Managers (CCBM) and BIM Coordinator (CCBC)

1.1.1. Enhanced Core Competencies of a CCBM

1. **BIM Initiation [Level 2]**
   (Ability to describe BIM concepts, definitions and scopes, BIM standards and guidelines in the Hong Kong and global contexts.)

2. **BIM Software and Technologies [Level 2]**
   (Ability to describe BIM software/platforms and their modelling and digital information development processes, and various technologies associated with BIM.)

3. **BIM Uses and Processes [Level 4]**
   (Ability to explain BIM uses, processes and BIM software/platform utilisation, and to design and manage end-to-end BIM project workflows.)

4. **Digital Information Management, Collaboration and Integration [Level 4]**
   (Ability to plan, establish and manage Common Data Environment and data quality control systems for effective digital information management, exchange and utilisation in BIM projects.)

5. **Commercial and Contractual Aspects [Level 4]**
   (Ability to explain commercial and financial considerations, and comply with contractual issues related to BIM implementation.)

6. **Communication Skills [Level 4]**
   (Ability to apply effective interpersonal and communication skills in diverse professional settings, including presentations, meetings, reporting, training material development, etc.)

7. **Leadership, Management and Integrity Aspects**
   (Ability to lead and manage subordinates for BIM implementation with professionalism, integrity and ethical behaviour upholding a high CIC standard.)

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Minimum Level of Competency of a CCBM (Enhanced)

Level 1:   Demonstrate a general appreciation of the subject and how it may affect, or integrate with other subjects.

Level 2:   Possess knowledge and understanding of the subject and be competent to describe its applications and procedures.

Level 3:   Able to perform the subject independently or with minimal supervision.

Level 4:   Able to lead and execute the subject without supervision and competently advise and mentor others.

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1.1.2. Enhanced Core Competencies of a CCBC

1. **BIM Initiation** [Level 2]

   (Ability to describe BIM concepts, definitions and scopes, BIM standards and guidelines in Hong Kong and global contexts.)

2. **BIM Software and Technologies** [Level 3]

   (Ability to operate BIM software/platforms in the modelling processes and digital information development, and describe various technologies associated with BIM.)

3. **BIM Uses and Processes** [Level 3]

   (Ability to understand BIM uses, processes, apply BIM software/platform in project contexts, and execute and administer assigned BIM tasks for individual or cross-disciplinary coordination.)

4. **Digital Information Management, Collaboration and Integration** [Level 3]

   (Ability to execute and administer the operation of Common Data Environment and data quality control systems for effective digital information management, exchange and utilisation in BIM projects.)

5. **Communication Skills** [Level 3]

   (Ability to apply reasonable interpersonal and communication skills in meetings, reporting, training material development, etc.)

Minimum Level of Competency of a CCBC (Enhanced)

Level 1: Demonstrate a general appreciation of the subject and how it may affect, or integrate with other subjects.

Level 2: Possess knowledge and understanding of the subject and be competent to describe its applications and procedures.

Level 3: Able to perform the subject independently or with minimal supervision.

Level 4: Able to lead and execute the subject without supervision and competently advise and mentor others.

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1.2. Detailed Core Competencies of CCBM and CCBC

1.2.1. Detailed Core Competencies of a CCBM

	Detailed Core Competencies	Level of Competency
1. BIM Initiation	*1.1. – BIM Concept*	
	1.1.1 BIM definitions and terminology	L2
	1.1.2 Difference between CAD (2D/3D) and BIM	L2
	1.1.3 BIM in the context of whole life cycle of a built asset and smart city	L2
	1.1.4 Value and benefits of adopting BIM in the whole life cycle of a built asset	L2
	1.1.5 Collaborative working in BIM	L2
	1.1.6 Limitation of BIM	L2
	1.1.7 How BIM can affect the AECO practice and address the current challenges	L2
	1.2. – Local, Mainland & Global BIM development and standards	
	1.2.1 Local BIM standards, publications and available resources	L2
	1.2.1.1 CIC BIM standards and other related publications and resources	L2
	1.2.1.2 Government BIM & BIM-AM related technical circulars, standards, guidelines and publications	L2
	1.2.2 BIM development in Mainland and global context	L1
	1.2.3 Mainland and international BIM standards, publications and initiatives	L2
	1.2.3.1 Mainland BIM standards GB/T series	L1
	1.2.3.2 ISO 19650 series	L2
	1.2.3.3 openBIM and other collaborative formats	L2

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<u>BIMCAS 2026 New Enhancement</u>

		Detailed Core Competencies	Level of Competency
2. BIM Software and Technologies		*2.1. – BIM Software and Platforms*	
	2.1.1	Common BIM software and platforms for various trades	L2
	2.1.2	Key characteristics, file format & version, strength and limitation of common BIM software and platforms	L2
	2.1.3	Interoperability across common BIM software and platforms	L2
		2.2. – Technologies and Construction Related Applications	
	2.2.1	Internet & cloud	L1
	2.2.2	Laser scanning & photogrammetry	L2
	2.2.3	Unmanned Aircraft System (UAS) / Drone	L2
	2.2.4	Geographic Information System (GIS)	L2
	2.2.5	Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR	L1
	2.2.6	Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices	L2
	2.2.7	Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)	L2
	2.2.8	Digital Twin	L2
	2.2.9	Robotics	L1
	2.2.10	Programming, automation and API	L1
	2.2.11	MiC, MiMEP and DfMA	L2
	2.2.12	Indoor positioning	L1
	2.2.13	Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)	L1
	2.2.14	Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)	L1

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		Detailed Core Competencies	Level of Competency
3. BIM Uses and Processes		*3.1. – BIM Organisational Strategy and Requirements*	
	3.1.1	Overview of BIM strategy, uses and organisation	L2
	3.1.2	Key personnel in relation to BIM and their roles and responsibilities	L2
	3.1.3	Establish and lead the development of the BIM Requirements at the organisational level	L4
		3.1.3.1 Organisational Information Requirements (OIR)	
		3.1.3.2 Asset Information Requirements (AIR)	
		3.1.3.3 Security Information Requirements (SIR)	
	3.1.4	Develop and lead the implementation of the CDE strategy at the organisational level	L4
	3.1.5	Establish and manage the strategies for integrating BIM with broader construction digitalisation technologies at the organisational level (e.g. GIS, Digital Twin, 4S, etc)	L4
	3.1.6	Case study	L2
		3.2. – Project Planning Stage	
	3.2.1	Define and establish the Appointing Party BIM Requirements and the Project Information Requirements (PIR) at the project level	L4
	3.2.2	Develop and manage the Exchange Information Requirements (EIR)	L4
	3.2.3	Determine and lead the integration of technologies and system requirements at the project level (e.g. BIM software, platforms, CDE, etc.)	L4
	3.2.4	Develop and oversee project delivery requirements and appropriate BIM Uses at the project level	L4
	3.2.5	Develop and manage the Level of Information Need (LOIN) to be adopted at the project level	L4
	3.2.6	Establish and manage the BIM & information standards, methods and procedures at the project level	L4
	3.2.7	Coordinate and manage the shared resources with the Lead Consultant / Lead Contractor at the project level	L4

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3.2.8	Assess and validate the capability and capacity of the delivery team	L4
3.2.9	Case study	L2
3.3. – Project Design Stage		
3.3.1	Develop and lead the Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4
3.3.2	Develop and lead the Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4
3.3.3	Define and manage the Information Management Assignment Matrix	L4
3.3.4	Establish and manage the detailed modelling methodology and requirements	L4
3.3.5	Manage the production and delivery of the BIM Uses in the planning and design stages	L4
3.3.6	Lead and report in BIM-related meetings and documentations	L4
3.3.7	Case Study	L2
3.4. – Project Construction & Handover Stage		
3.4.1	Develop and lead the Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4
3.4.2	Develop and lead the Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4
3.4.3	Define and manage the Information Management Assignment Matrix	L4
3.4.4	Establish and manage the detailed modelling methodology and requirements	L4
3.4.5	Manage the production and delivery of the BIM Uses in the construction and handover stages	L4
3.4.6	Lead and report in BIM-related meetings and documentations	L4
3.4.7	Case Study	L2

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3.5. – Building/Asset Operation & Maintenance Stage		
3.5.1	Technologies for BIM asset management and integration with the building / asset management system	L2
3.5.2	Manage the production and delivery of the Asset Information Model (AIM) and associated data for operation and maintenance (O&M) stage	L4
3.5.3	Manage the information exchange from the AIM to the building / asset management system	L4
3.5.4	Maintain and update the Asset Information Model (AIM) throughout the O&M stage	L4
3.5.5	Lead and coordinate BIM-based asset management with asset management, facility management, and operation teams	L4
3.5.6	Case Study	L2

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		Detailed Core Competencies	Level of Competency
4. Digital Information Management, Collaboration and Integration		*4.1. – Digital Information Management*	
	4.1.1	Plan and manage the information management workflow for various work stages	L4
	4.1.2	Plan and manage the BIM information and model exchange for multi-disciplinary collaboration	L4
	4.1.3	Define and manage the details of the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages	L4
	4.1.4	Plan and manage the integration, archiving, and handover of BIM model and associated data across the work stages	L4
	4.1.5	Establish and maintain various BIM related coding systems and classifications for various work stages	L4
	4.1.6	Plan and manage the process of information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)	L4
		4.2. – Common Data Environment (CDE)	
	4.2.1	CDE and the workflow as per ISO 19650	L2
	4.2.2	Common CDE solutions in the market	L2
	4.2.3	Establish and manage a CDE	L4
	4.2.4	Assess and select an appropriate CDE based on project requirements	L4
	4.2.5	Lead and manage the information exchange process of CDE	L4
	4.2.6	Limitation of CDE	L2
		4.3 – Data Quality Assurance & Audit across various work stages	
	4.3.1	Plan and develop the BIM quality assurance and audit processes, methodologies and checking systems for various work stages	L4

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4.3.2	Manage the production of BIM quality assurance, auditand model checking for various work stages	L4
4.3.3	Define and oversee the production of BIM quality assurance and audit reporting for various work stages	L4

	Detailed Core Competencies	**Level of Competency**
	5.1. – Commercial Issues	
	5.1.1 Foster BIM literacy across organisation and stakeholders	L4
	5.1.2 Define and manage the requirements of hardware, software and IT infrastructure for BIM	L4
	5.1.3 Lead the human resource management, competency and training for BIM	L4
	5.1.4 Lead the procurement and supply chain management for BIM	L4
	5.1.5 Establish and oversee risk management strategies for BIM implementation.	L4
	5.2. – Contractual and Liabilities Issues	
	5.2.1 Understand the potential risks associated with model sharing, data accuracy and reliance on digital deliverables	L2
	5.2.2 Describe the contractual provisions related to BIM, such as roles and responsibilities, ownership of models, intellectual property rights, and protocols for data exchange etc.	L2
	5.2.3 Understand how BEPs, information requirements and standards integrate with contractual frameworks to define deliverables and the rights and liabilities of the parties involved	L2

5. Commercial and Contract

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1.2.2. Detailed Core Competencies of a CCBC

	Detailed Core Competencies	Level of Competency
	1.1. – BIM Concept	
	1.1.1　　BIM definitions and terminology	L2
	1.1.2　　Difference between CAD (2D/3D) and BIM	L2
	1.1.3　　BIM in the context of whole life cycle of a built asset and smart city	L2
	1.1.4　　Value and benefits of adopting BIM in the whole life cycle of a built asset	L2
	1.1.5　　Collaborative working in BIM	L2
	1.1.6　　Limitation of BIM	L2
1. BIM Initiation	1.1.7　　How BIM can affect the AECO practice and address the current challenges	L2
	1.2. – Local, Mainland & Global BIM development and standards	
	1.2.1　　Local BIM standards, publications and available resources	L2
	1.2.1.1　　CIC BIM standards and other related publications and resources	L2
	1.2.1.2　　Government BIM & BIM-AM related technical circulars, standards, guidelines and publications	L2
	1.2.2　　BIM development in Mainland and global context	L1
	1.2.3　　Mainland and international BIM standards, publications and initiatives	L2
	1.2.3.1　　Mainland BIM standards GB/T series	L1
	1.2.3.2　　ISO 19650 series	L2
	1.2.3.3　　openBIM and other collaborative formats	L2

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		Detailed Core Competencies	Level of Competency
	2.1. – BIM Software and Platforms		
	2.1.1	Common BIM software and platforms for various trades	L2
	2.1.2	Key characteristics, file format & version, strength and limitation of common BIM software and platforms	L2
	2.1.3	Interoperability across common BIM software and platforms	L2
	2.1.4	Operation of relevant BIM software	L3
	2.1.5	Technical advice on the operation of relevant BIM software	L3
2. BIM Software and Technologies	*2.2. – Technologies and Construction Related Applications*		
	2.2.1	Internet & cloud	L1
	2.2.2	Laser scanning & photogrammetry	L2
	2.2.3	Unmanned Aircraft System (UAS) / Drone	L2
	2.2.4	GIS	L2
	2.2.5	Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR	L1
	2.2.6	Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices	L2
	2.2.7	Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)	L2
	2.2.8	Digital Twin	L2
	2.2.9	Robotics	L1
	2.2.10	Programming, automation and API	L1
	2.2.11	MiC, MiMEP and DfMA	L2
	2.2.12	Indoor positioning	L1
	2.2.13	Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)	L1
	2.2.14	Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)	L1

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	Detailed Core Competencies	Level of Competency
	3.1. – BIM Organisational Strategy and Requirements	
3.1.1	General understanding of the workflows in local construction projects	L1
3.1.2	Overview of BIM strategy, uses and organisation	L2
3.1.3	Key personnel in relation to BIM and their roles and responsibilities	L2
3.1.4	BIM related documents such as Exchange Information Requirements (EIRs), Asset Information Requirements (AIRs), BIM Execution Plan (BEP) to be applied during the execution of BIM projects	L2
3.1.5	Utilise various technologies to achieve BIM uses	L3
	3.2. – Administration of the BIM projects as a project BIM coordinator	
3.2.1	Execute the BIM project in accordance with BEP and BIM standards	L3
3.2.2	Develop and maintain the BIM models, data structures and linkages in accordance with BEP and BIM standards for various work stages.	L3
3.2.3	Supervise the progress of developing single or multi-disciplinary BIM models	L3
3.2.4	Coordinate and utilise the BIM models with internal teams and cross-disciplinary project stakeholders	L3
3.2.5	Support and contribute to BIM-related meetings and documentations, including communication of coordination issues and model updates	L3
	3.3. – Execution of BIM Uses for single and multi-disciplinary coordination in BIM projects	
3.3.1	Spatial Coordination and 3D Construction Coordination	L3
3.3.2	Phase Planning (4D Modelling)	L3
3.3.3	Design Reviews	L3
3.3.4	Drawing Generation directly from BIM software / platforms	L3
3.3.5	As-Built Modelling	L3

*(Row header for section 3: **3. BIM Uses and Processes**)*

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	Detailed Core Competencies		Level of Competency
	4.1. Digital Information Management		
	4.1.1	Execute the BIM information and model exchange for multi-disciplinary collaboration	L3
	4.1.2	Maintain the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages	L3
	4.1.3	Maintain the data structures and linkages of the BIM models within the BIM software/platform protocol for various work stages	L3
	4.1.4	Maintain accurate data set such as BIM-related coding systems, classifications, templates, standards, libraries, project files, drawings, design specifications and project schedules for BIM project execution	L3
	4.1.5	Execute the information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)	L3
	4.2. Common Data Environment (CDE)		
	4.2.1	CDE and the workflow as per ISO 19650	L2
	4.2.2	Common CDE solutions in the market	L2
	4.2.3	Administer and maintain a CDE	L3
	4.2.4	Execute the information exchange in a CDE	L3
	4.2.5	Limitation of CDE	L2
	4.3 – Data Quality Assurance & Audit across various work stages		
	4.3.1	BIM quality assurance and audit principles	L2
	4.3.2	Execute the BIM quality assurance, audit and checking for various work stages	L3
	4.3.3	Produce BIM quality assurance and audit reports for various work stages	L3

*(Row label spanning left column: **4. Digital Information Management, Collaboration and Integration**)*

BIMCAS 2026 New Enhancement

2. **Enhancements to the Lists of Core Subjects for the BIM Training Course Accreditations**
   The effective date of the enhanced core competency requirements is 1 April 2026. From this date onward, all new classes of the accredited courses must adopt the enhanced requirements, unless BIMCAB has other considerations.

   A summary of the changes is listed below.

Accreditation	Enhancements to the lists of core subjects	Contact hours
BIM Manager Courses	Updated specific terminologies and detailed core subject items in the respective List of Core Subjects.	Remain unchanged
BIM Manager Courses (Top-up)		Reduced from 19 to 18 hours
BIM Coordinator Courses		Remain unchanged
BIM Coordinator Courses (Top-up)	Updated specific terminologies and detailed core subject items; Exam duration reduced from 2 to 1.5 hours.	Reduced from 19 to 12 hours

BIMCAS 2026 New Enhancement

2.1. Accreditation of BIM Manager Courses

List of Core Subjects of a CIC-Accredited BIM Manager Course (Enhanced)

<table>
<tr>
<th rowspan="2">-</th>
<th colspan="2" rowspan="2">Core Subject</th>
<th rowspan="2">Level of Competency (for ref.)</th>
<th colspan="2">Minimum curriculum hours</th>
<th colspan="3">Assessment</th>
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<th>Lecture</th>
<th>Workshop</th>
<th>Assignment</th>
<th>Description</th>
<th>Examination</th>
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<tr>
<td rowspan="26">1. BIM Initiation</td>
<td colspan="2">1.1. – BIM Concept</td>
<td></td>
<td rowspan="8">1</td>
<td rowspan="8">0</td>
<td rowspan="17">1</td>
<td rowspan="17">Assignments can be in quiz, worksheet…etc. It can be arranged so that it won't occupy any curriculum hour.</td>
<td rowspan="26">Can be only one examination for the whole course</td>
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<tr>
<td>1.1.1</td>
<td>BIM definitions and terminology</td>
<td>L2</td>
</tr>
<tr>
<td>1.1.2</td>
<td>Difference between CAD (2D/3D) and BIM</td>
<td>L2</td>
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<tr>
<td>1.1.3</td>
<td>BIM in the context of whole life cycle of a built asset and smart city</td>
<td>L2</td>
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<tr>
<td>1.1.4</td>
<td>Value and benefits of adopting BIM in the whole life cycle of a built asset</td>
<td>L2</td>
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<td>1.1.5</td>
<td>Collaborative working in BIM</td>
<td>L2</td>
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<td>1.1.6</td>
<td>Limitation of BIM</td>
<td>L2</td>
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<tr>
<td>1.1.7</td>
<td>How BIM can affect the AECO practice and address the current challenges</td>
<td>L2</td>
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<tr>
<td colspan="2">1.2. – Local, Mainland & Global BIM development and standards</td>
<td></td>
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<tr>
<td>1.2.1</td>
<td>Local BIM standards, publications and available resources</td>
<td>L2</td>
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<tr>
<td>1.2.1.1</td>
<td>CIC BIM standards and other related publications and resources</td>
<td>L2</td>
</tr>
<tr>
<td>1.2.1.2</td>
<td>Government BIM & BIM-AM related technical circulars, standards, guidelines and publications</td>
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<tr>
<td>1.2.2</td>
<td>BIM development in Mainland and global context</td>
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</table>

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-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	Assignment	Description	Examination
2. BIM Software and Technologies	*2.1. – BIM Software and Platforms*						Participants are suggested to spend their own time on getting know the BIM software. E.g. Homepage of BIM software	Can be only one examination for the whole course
	2.1.1	Common BIM software and platforms for various trades	L2	1	0	1		
	2.1.2	Key characteristics, file format & version, strength and limitation of common BIM software and platforms	L2					
	2.1.3	Interoperability across common BIM software and platforms	L2					
	2.2. – Technologies and Construction Related Applications						Participants are suggested to spend their own time on getting know various technologies related to BIM.	
	2.2.1	Internet & cloud	L1	2	0			
	2.2.2	Laser scanning & photogrammetry	L2					
	2.2.3	Unmanned Aircraft System (UAS) / Drone	L2					
	2.2.4	Geographic Information System (GIS)	L2					
	2.2.5	Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR	L1					
	2.2.6	Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices	L2					
	2.2.7	Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)	L2				Assignments can be in quiz, worksheet…etc. It can be arranged so that it won't occupy any curriculum hour.	
	2.2.8	Digital Twin	L2					
	2.2.9	Robotics	L1					
	2.2.10	Programming, automation and API	L1					
	2.2.11	MiC, MiMEP and DfMA	L2					
	2.2.12	Indoor positioning	L1					
	2.2.13	Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)	L1					
	2.2.14	Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)	L1					
				3	0	1		

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

<u>BIMCAS 2026 New Enhancement</u>

	Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
			Lecture	Workshop	Assignment	Description	Examination
3. BIM Uses and Processes	*3.1. – BIM Organisational Strategy and Requirements*		1	2	1	Participants are suggested to spend their own time on essential or further readings. Assignment can be incorporated into workshop.	Can be only one examination for the whole course
	3.1.1 Overview of BIM strategy, uses and organisation	L2					
	3.1.2 Key personnel in relation to BIM and their roles and responsibilities	L2					
	3.1.3 BIM Requirements at the organisational level	L4					
	3.1.3.1 Organisational Information Requirements (OIR)						
	3.1.3.2 Asset Information Requirements (AIR)						
	3.1.3.3 Security Information Requirements (SIR)						
	3.1.4 CDE strategy at the organisational level	L4					
	3.1.5 Strategies for integrating BIM with broader construction digitalisation technologies at the organisational level (e.g. GIS, Digital Twin, 4S, etc)	L4					
	3.1.6 Case study	L2					
	3.2. – Project Planning Stage		1.5	1.5		Ditto	
	3.2.1 Appointing Party BIM Requirements and the Project Information Requirements (PIR) at the project level	L4					
	3.2.2 Exchange Information Requirements (EIR)	L4					
	3.2.3 Integration of technologies and system requirements at the project level (e.g. BIM software, platforms, CDE, etc.)	L4					
	3.2.4 Project delivery requirements and appropriate BIM Uses at the project level	L4					
	3.2.5 Level of Information Need (LOIN) to be adopted at the project level	L4					
	3.2.6 BIM & information standards, methods and procedures at the project level	L4					
	3.2.7 Shared resources with the Lead Consultant / Lead Contractor at the project level	L4					
	3.2.8 Assessment on delivery team capability and capacity	L4					
	3.2.9 Case study	L2					

BIMCAS 2026 New Enhancement

3.3. – Project Design Stage					Ditto	
3.3.1	Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4				
3.3.2	Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4				
3.3.3	Information Management Assignment Matrix	L4	1.5	2.5		
3.3.4	Detailed modelling methodology and requirements	L4				
3.3.5	Production and delivery of the BIM Uses in the planning and design stages	L4				
3.3.6	BIM-related meetings, reporting and documentations	L4				
3.3.7	Case Study	L2				
3.4. – Project Construction & Handover Stage					Ditto	
3.4.1	Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4				
3.4.2	Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4				
3.4.3	Information Management Assignment Matrix	L4	1.5	2.5		
3.4.4	Detailed modelling methodology and requirements	L4				
3.4.5	Production and delivery of the BIM Uses in the construction and handover stages	L4				
3.4.6	BIM-related meetings, reporting and documentations	L4				
3.4.7	Case Study	L2				
					1	
3.5. – Building/Asset Operation & Maintenance Stage						
3.5.1	Technologies for BIM asset management and integration with the building / asset management system	L2				
3.5.2	Production and delivery of the Asset Information Model (AIM) and associated data for operation and maintenance (O&M) stage	L4				
3.5.3	Information exchange from the AIM to the building / asset management system	L4	1.5	1		
3.5.4	Maintenance of Asset Information Model (AIM) throughout the O&M stage	L4				
3.5.5	Multi-disciplinary coordination on BIM-based asset management with asset management, facility management, and operation teams	L4				
3.5.6	Case Study	L2				
			7	9.5	2	

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

BIMCAS 2026 New Enhancement

-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	Assignment	Description	Examination
4. Digital Information Management, Collaboration and Integration	*4.1. – Digital Information Management*						Participants are suggested to spend their own time on essential or further readings. Assignment can be incorporated into workshop.	Can be only one examination for the whole course
	4.1.1	Information management workflow for various work stages	L4					
	4.1.2	BIM information and model exchange for multi-disciplinary collaboration	L4					
	4.1.3	Details of the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages	L4	1.5	2			
	4.1.4	Integration, archiving, and handover of BIM model and associated data across the work stages	L4					
	4.1.5	Maintenance of various BIM related coding systems and classifications for various work stages	L4			1		
	4.1.6	Plan and manage the process of information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)	L4					
	4.2. – Common Data Environment (CDE)						Ditto	
	4.2.1	CDE and the workflow as per ISO 19650	L2					
	4.2.2	Common CDE solutions in the market	L2					
	4.2.3	Establish and manage a CDE	L4	1	3			
	4.2.4	Assess and select an appropriate CDE based on project requirements	L4					
	4.2.5	Information exchange process of CDE	L4					
	4.2.6	Limitation of CDE	L2					
	4.3 – Data Quality Assurance & Audit across various work stages						Ditto	
	4.3.1	BIM quality assurance and audit processes, methodologies and checking systems for various work stages	L4	0.5	2.5			
	4.3.2	BIM quality assurance, audit and model checking for various work stages	L4					
	4.3.3	BIM quality assurance and audit reporting for various work stages	L4					
				3	7.5	1		

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

BIMCAS 2026 New Enhancement

		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
	Core Subject		Lecture	Workshop	Assignment	Description	Examination
5. Commercial and Contract	*5.1 – Commercial Issues*		1.5	0	1	Participants are suggested to spend their own time on essential or further readings. Assignment can be incorporated into workshop.	Can be only one examination for the whole course
	5.1.1 Foster BIM literacy across organisation and stakeholders	L4					
	5.1.2 Requirements of hardware, software and IT infrastructure for BIM	L4					
	5.1.3 Human resource management, competency and training for BIM	L4					
	5.1.4 Procurement and supply chain management for BIM	L4					
	5.1.5 Risk management for BIM	L4					
	5.2. – Contractual and Liabilities Issues		1.5	0		Participants can be required to study the essential or further readings. Assignments can be in quiz, worksheet…etc. It can be arranged so that it won't occupy any curriculum hour.	
	5.2.1 Potential risks associated with model sharing, data accuracy and reliance on digital deliverables	L2					
	5.2.2 Contractual provisions related to BIM, such as roles and responsibilities, ownership of models, intellectual property rights, and protocols for data exchange etc.	L2					
	5.2.3 How BEPs, information requirements and standards integrate with contractual frameworks to define deliverables and the rights and liabilities of the parties involved	L2					
			3	0	1		
	Sub-total		**19**	**17**	**6**		
	Total		**36**		**Examination**	3	

Ver. Dec 2025

BIMCAS 2026 New Enhancement

List of Core Subjects of a CIC-Accredited BIM Manager Top-up Course (Enhanced)

-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	Assignment	Description	Examination
1. BIM Initiation	*1.1. – BIM Concept*		Removed					
	1.1.1	BIM definitions and terminology						
	1.1.2	Difference between CAD (2D/3D) and BIM						
	1.1.3	BIM in the context of whole life cycle of a built asset and smart city						
	1.1.4	Value and benefits of adopting BIM in the whole life cycle of a built asset						
	1.1.5	Collaborative working in BIM						
	1.1.6	Limitation of BIM						
	1.1.7	How BIM can affect the AECO practice and address the current challenges						
	1.2. – Local, Mainland & Global BIM development and standards							
	1.2.1	Local BIM standards, publications and available resources						
	1.2.1.1	CIC BIM standards and other related publications and resources						
	1.2.1.2	Government BIM & BIM-AM related technical circulars, standards, guidelines and publications						
	1.2.2	BIM development in Mainland and global context						
	1.2.3	Mainland and international BIM standards publications and initiatives						
	1.2.3.1	Mainland BIM standards GB/T series						
	1.2.3.2	ISO 19650 series						
	1.2.3.3	openBIM and other collaborative formats						

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

BIMCAS 2026 New Enhancement

-		Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	Assignment	Description	Examination
2. BIM Software and Technologies		*2.1. – BIM Software and Platforms*	Removed					
	2.1.1	Common BIM software and platforms for various trades						
	2.1.2	Key characteristics, file format & version, strength and limitation of common BIM software and platforms						
	2.1.3	Interoperability across common BIM software and platforms						
		2.2. – Technologies and Construction Related Applications						
	2.2.1	Internet & cloud						
	2.2.2	Laser scanning & photogrammetry						
	2.2.3	Unmanned Aircraft System (UAS) / Drone						
	2.2.4	Geographic Information System (GIS)						
	2.2.5	Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR						
	2.2.6	Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices						
	2.2.7	Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)						
	2.2.8	Digital Twin						
	2.2.9	Robotics						
	2.2.10	Programming, automation and API						
	2.2.11	MiC, MiMEP and DfMA						
	2.2.12	Indoor positioning						
	2.2.13	Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)						
	2.2.14	Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)						

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

<u>BIMCAS 2026 New Enhancement</u>

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<th colspan="2" rowspan="2">Core Subject</th>
<th rowspan="2">Level of Competency (for ref.)</th>
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<th colspan="3">Assessment</th>
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<th>Examination</th>
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<td rowspan="29">3. BIM Uses and Processes</td>
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<td rowspan="6">Participants are suggested to spend their own time on essential or further readings. Assignment can be incorporated into workshop.</td>
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<td>3.1.3.1 Organisational Information Requirements (OIR)</td>
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<td>3.1.3.2 Asset Information Requirements (AIR)</td>
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<td>3.1.3.3 Security Information Requirements (SIR)</td>
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<td>CDE strategy at the organisational level</td>
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<td>3.1.5</td>
<td>Strategies for integrating BIM with broader construction digitalisation technologies at the organisational level (e.g. GIS, Digital Twin, 4S, etc)</td>
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<tr>
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<td>Case study</td>
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<td>Appointing Party BIM Requirements and the Project Information Requirements (PIR) at the project level</td>
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<td>3.2.3</td>
<td>Integration of technologies and system requirements at the project level (e.g. BIM software, platforms, CDE, etc.)</td>
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<td>3.2.4</td>
<td>Project delivery requirements and appropriate BIM Uses at the project level</td>
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<td>3.2.5</td>
<td>Level of Information Need (LOIN) to be adopted at the project level</td>
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<td>3.2.6</td>
<td>BIM & information standards, methods and procedures at the project level</td>
<td>L4</td>
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<td>3.2.7</td>
<td>Shared resources with the Lead Consultant / Lead Contractor at the project level</td>
<td>L4</td>
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<tr>
<td>3.2.8</td>
<td>Assessment on delivery team capability and capacity</td>
<td>L4</td>
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<td>3.2.9</td>
<td>Case study</td>
<td>L2</td>
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BIMCAS 2026 New Enhancement

3.3. – Project Design Stage					Ditto	
3.3.1	Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4				
3.3.2	Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4				
3.3.3	Information Management Assignment Matrix	L4				
3.3.4	Detailed modelling methodology and requirements	L4	1.5	1		
3.3.5	Production and delivery of the BIM Uses in the planning and design stages	L4				
3.3.6	BIM-related meetings, reporting and documentations	L4				
3.3.7	Case Study	L2				
3.4. – Project Construction & Handover Stage					Ditto	
3.4.1	Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4				
3.4.2	Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4				
3.4.3	Information Management Assignment Matrix	L4	1.5	1		
3.4.4	Detailed modelling methodology and requirements	L4				
3.4.5	Production and delivery of the BIM Uses in the construction and handover stages	L4				
3.4.6	BIM-related meetings, reporting and documentations	L4				
3.4.7	Case Study	L2				
3.5. – Building/Asset Operation & Maintenance Stage				1		
3.5.1	Technologies for BIM asset management and integration with the building / asset management system	L2				
3.5.2	Production and delivery of the Asset Information Model (AIM) and associated data for operation and maintenance (O&M) stage	L4				
3.5.3	Information exchange from the AIM to the building / asset management system	L4	1.5	1		
3.5.4	Maintenance of Asset Information Model (AIM) throughout the O&M stage	L4				
3.5.5	Multi-disciplinary coordination on BIM-based asset management with asset management, facility management, and operation teams	L4				
3.5.6	Case Study	L2				
			7	5	2	

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

BIMCAS 2026 New Enhancement

-	Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
			Lecture	Workshop	Assignment	Description	Examination
4. Digital Information Management, Collaboration and Integration	*4.1. Digital Information Management*		1	0	1	Participants are suggested to spend their own time on essential or further readings. Assignment can be incorporated into workshop.	Can be only one examination for the whole course
	4.1.1 Information management workflow for various work stages	L4					
	4.1.2 BIM information and model exchange for multi-disciplinary collaboration	L4					
	4.1.3 Details of the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages	L4					
	4.1.4 Integration, archiving, and handover of BIM model and associated data across the work stages.	L4					
	4.1.5 Maintenance of various BIM related coding systems and classifications for various work stages	L4					
	4.1.6 The process of information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)	L4					
	4.2. Common Data Environment (CDE)					Ditto	
	4.2.1 CDE and the workflow as per ISO 19650	Removed					
	4.2.2 Common CDE solutions in the market						
	4.2.3 Establish and manage a CDE	L4	1	0			
	4.2.4 Assess and select an appropriate CDE based on project requirements	L4					
	4.2.5 Information exchange process of CDE	L4					
	4.2.6 Limitation of CDE	Removed					
	4.3 – Data Quality Assurance & Audit across various work stages					Ditto	
	4.3.1 BIM quality assurance and audit processes, methodologies and checking systems for various work stages	L4	1	0			
	4.3.2 BIM quality assurance, audit and model checking for various work stages	L4					
	4.3.3 BIM quality assurance and audit reporting for various work stages	L4					
			3	0	1		

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

<u>BIMCAS 2026 New Enhancement</u>

-		Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	Assignment	Description	Examination
5. Commercial and Contract		*5.1 – Commercial Issues*					Participants can be required to study the essential or further readings.

Assignments can be in quiz, worksheet…etc. It can be arranged so that it won't occupy any curriculum hour. | Can be only one examination for the whole course |
	5.1.1	Foster BIM literacy across organisation and stakeholders	L4	1.5	0			
	5.1.2	Requirements of hardware, software and IT infrastructure for BIM	L4					
	5.1.3	Human resource management, competency and training for BIM	L4					
	5.1.4	Procurement and supply chain management for BIM	L4					
	5.1.5	Risk management for BIM	L4					
						1		
		5.2. – Contractual and Liabilities Issues						
	5.2.1	Potential risks associated with model sharing, data accuracy and reliance on digital deliverables	L2	1.5	0			
	5.2.2	Contractual provisions related to BIM, such as roles and responsibilities, ownership of models, intellectual property rights, and protocols for data exchange etc.	L2					
	5.2.3	How BEPs, information requirements and standards integrate with contractual frameworks to define deliverables and the rights and liabilities of the parties involved	L2					
				3	0	1		
		Sub-total		**13**	**5**	**4**		
		Total		**18**		**Examination**	**2**	

BIMCAS 2026 New Enhancement

2.2. Accreditation of BIM Coordinator Courses

List of Core Subjects of a CIC-Accredited BIM Coordinator Course (Enhanced)

-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	Assignment	Description	Examination
1. BIM Initiation	*1.1. – BIM Concept*			1	0	1	Assignments can be in quiz, worksheet…etc. It can be arranged so that it won't occupy any curriculum hour.	Can be only one examination for the whole course
	1.1.1	BIM definitions and terminology	L2					
	1.1.2	Difference between CAD (2D/3D) and BIM	L2					
	1.1.3	BIM in the context of whole life cycle of a built asset and smart city	L2					
	1.1.4	Value and benefits of adopting BIM in the whole life cycle of a built asset	L2					
	1.1.5	Collaborative working in BIM	L2					
	1.1.6	Limitation of BIM	L2					
	1.1.7	How BIM can affect the AECO practice and address the current challenges	L2					
	1.2. – Local, Mainland & Global BIM development and standards			2	0			
	1.2.1	Local BIM standards, publications and available resources	L2					
		1.2.1.1 CIC BIM standards and other related publications and resources	L2					
	1.2.1.2	Government BIM & BIM-AM related technical circulars, standards, guidelines and publications	L2					
	1.2.2	BIM development in Mainland and global context	L1					
	1.2.3	Mainland and international BIM standards publications and initiatives	L2					
		1.2.3.1 Mainland BIM standards GB/T series	L1					
		1.2.3.2 ISO 19650 series	L2					
		1.2.3.3 openBIM and other collaborative formats	L2					
				3	0	1		

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

<u>BIMCAS 2026 New Enhancement</u>

-		Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	No. of Assignment	Description	Examination
2. BIM Software and Technologies		*2.1. – BIM Software and Platforms*					Participants are suggested to spend their own time on getting know the BIM software. E.g. Homepage of BIM software	Can be combined with other Core Subject Groups to have a single examination
	2.1.1	Common BIM software and platforms for various trades	L2	1	0			
	2.1.2	Key characteristics, file format & version, strength and limitation of common BIM software and platforms	L2					
	2.1.3	Interoperability across common BIM software and platforms	L2					
	2.1.4	Operation of relevant BIM software	L3	** This Core Subject is optional for a CIC-Accredited BIM Coordinator Course*				
	2.1.5	Technical advice on the operation of relevant BIM software	L3	**Require practicing hours which vary from different BIM software (* This Core Subject is optional for a CIC-Accredited BIM Coordinator Course)*		1		
		2.2. – Technologies and Construction Related Applications					Participants are suggested to spend their own time on getting know various technologies related to BIM.	
	2.2.1	Internet & cloud	L1					
	2.2.2	Laser scanning & photogrammetry	L2					
	2.2.3	Unmanned Aircraft System (UAS) / Drone	L2					
	2.2.4	GIS	L2	2	0			
	2.2.5	Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR	L1					
	2.2.6	Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices	L2					
	2.2.7	Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)	L2					
	2.2.8	Digital Twin	L2					
	2.2.9	Robotics	L1					

BIMCAS 2026 New Enhancement

2.2.10	Programming, automation and API	L1					
2.2.11	MiC, MiMEP and DfMA	L2					
2.2.12	Indoor positioning	L1					
2.2.13	Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)	L1					
2.2.14	Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)	L1					
			3	0	1		

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

BIMCAS 2026 New Enhancement

-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	No. of Assignment	Description	Examination
3. BIM Uses and Processes	*3.1. – BIM Organisational Strategy and Requirements*							Can be combined with other Core Subject Groups to have a single examination
	3.1.1	General understanding of the workflows in local construction projects	L1	** This Core Subject is optional for a CIC-Accredited BIM Coordinator Course*				
	3.1.2	Overview of BIM strategy, uses and organisation	L2	2	0	1	Participants are suggested to spend their own time on essential, reference or further readings. Assignment can be incorporated into workshop.	
	3.1.3	Key personnel in relation to BIM and their roles and responsibilities	L2					
	3.1.4	BIM related documents such as Exchange Information Requirements (EIRs), Asset Information Requirements (AIRs), BIM Execution Plan (BEP) to be applied during the execution of BIM projects	L2					
	3.1.5	Various technologies to achieve BIM uses	L3					
	3.2. – Administration of the BIM projects as a project BIM coordinator							
	3.2.1	BIM project execution in accordance with BEP and BIM standards	L3	2	7			
	3.2.2	BIM models, data structures and linkages in accordance with BEP and BIM standards for various work stages.	L3					
	3.2.3	The progress of developing single or multi-disciplinary BIM models	L3					
	3.2.4	Coordination and utilisation of the BIM models with internal teams and cross-disciplinary project stakeholders	L3					
	3.2.5	BIM-related meetings and documentations, including communication of coordination issues and model updates	L3					
	3.3. – Execution of BIM Uses for single and multi-disciplinary coordination in BIM projects							
	3.3.1	Spatial Coordination and 3D Construction Coordination	L3	2	3	1		
	3.3.2	Phase Planning (4D Modelling)	L3		3			
	3.3.3	Design Reviews	L3		1			
	3.3.4	Drawing Generation directly from BIM software / platforms	L3		2			
	3.3.5	As-Built Modelling	L3		1			
				6	17	2		

Construction Industry Council
Building Information Modelling Certification and Accreditation Schemes (BIMCAS)

<u>BIMCAS 2026 New Enhancement</u>

-		Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	No. of Assignment	Description	Examination
4. Digital Information Management, Collaboration and Integration		*4.1. – Digital Information Management*		2	3	1	Participants are suggested to spend their own time on essential, reference or further readings. Assignment can be incorporated into workshop.	Can be combined with other Core Subject Groups to have a single examination
	4.1.1	BIM information and model exchange for multi-disciplinary collaboration	L3					
	4.1.2	Maintain the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages	L3					
	4.1.3	Data structures and linkages of the BIM models within the BIM software/platform protocol for various work stages	L3					
	4.1.4	Maintain accurate data set such as BIM related coding systems, classifications, templates, standards, libraries, project files, drawings, design specifications and project schedules for BIM project execution	L3					
	4.1.5	Information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)	L3					
		4.2. – Common Data Environment (CDE)		2	3		ditto	
	4.2.1	CDE and the workflow as per ISO 19650	L2					
	4.2.2	Common CDE solutions in the market	L2					
	4.2.3	Administer and maintain a CDE	L3					
	4.2.4	Information exchange in a CDE	L3					
	4.2.5	Limitation of CDE	L2					

BIMCAS 2026 New Enhancement

4.3 – Data Quality Assurance & Audit across various work stages					ditto	
4.3.1 BIM quality assurance and audit principles	L2	2	4	1		
4.3.2 BIM quality assurance, audit and checking for various work stages	L3					
4.3.3 BIM quality assurance and audit reports for various work stages	L3					
		6	10	2		
Sub-Total (Hours)		**18**	**27**	No. of Assignment		6
Total		**45**		Examination		3

BIMCAS 2026 New Enhancement

List of Core Subjects of a CIC-Accredited BIM Coordinator Top-up Course (Enhanced)

-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	Assignment	Description	Examination
1. BIM Initiation	*1.1. – BIM Concept*							
	1.1.1	BIM definitions and terminology						
	1.1.2	Difference between CAD (2D/3D) and BIM						
	1.1.3	BIM in the context of whole life cycle of a built asset and smart city						
	1.1.4	Value and benefits of adopting BIM in the whole life cycle of a built asset						
	1.1.5	Collaborative working in BIM						
	1.1.6	Limitation of BIM						
	1.1.7	How BIM can affect the AECO practice and address the current challenges						
	1.2. – Local, Mainland & Global BIM development and standards				Removed			
	1.2.1	Local BIM standards, publications and available resources						
		1.2.1.1 CIC BIM standards and other related publications and resources						
		1.2.1.2 Government BIM & BIM-AM related technical circulars, standards, guidelines and publications						
	1.2.2	BIM development in Mainland and global context						
	1.2.3	Mainland and international BIM standards publications and initiatives						
		1.2.3.1 Mainland BIM standards GB/T series						
		1.2.3.2 ISO 19650 series						
		1.2.3.3 openBIM and other collaborative formats						

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<u>BIMCAS 2026 New Enhancement</u>

<table>
<tr>
<th>-</th>
<th colspan="2">Core Subject</th>
<th>Level of Competency (for ref.)</th>
<th colspan="2">Minimum curriculum hours</th>
<th colspan="3">Assessment</th>
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<th></th>
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<th>Lecture</th>
<th>Workshop</th>
<th>No. of Assignment</th>
<th>Description</th>
<th>Examination</th>
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<tr>
<td rowspan="22">2. BIM Software and Technologies</td>
<td colspan="2">*2.1. – BIM Software and Platforms*</td>
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<tr>
<td>2.1.1</td>
<td>Common BIM software and platforms for various trades</td>
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<tr>
<td>2.1.2</td>
<td>Key characteristics, file format & version, strength and limitation of common BIM software and platforms</td>
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<tr>
<td>2.1.3</td>
<td>Interoperability across common BIM software and platforms</td>
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<tr>
<td>2.1.4</td>
<td>Operation of relevant BIM software</td>
<td>L3</td>
<td colspan="5" rowspan="2">*These Core Subjects are optional for a CIC-Accredited BIM Coordinator Course*</td>
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<tr>
<td>2.1.5</td>
<td>Technical advice on the operation of relevant BIM software
(Require practicing hours which vary from different BIM software)</td>
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<tr>
<td colspan="2">*2.2. – Technologies and Construction Related Applications*</td>
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<tr>
<td>2.2.1</td>
<td>Internet & cloud</td>
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<tr>
<td>2.2.2</td>
<td>Laser scanning & photogrammetry</td>
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<td>2.2.3</td>
<td>Unmanned Aircraft System (UAS) / Drone</td>
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<td>2.2.4</td>
<td>GIS</td>
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<td>2.2.5</td>
<td>Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR</td>
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<tr>
<td>2.2.6</td>
<td>Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices</td>
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<td>2.2.7</td>
<td>Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)</td>
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<td>2.2.8</td>
<td>Digital Twin</td>
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<td>2.2.9</td>
<td>Robotics</td>
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<td>2.2.10</td>
<td>Programming, automation and API</td>
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<td>2.2.11</td>
<td>MiC, MiMEP and DfMA</td>
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<td>2.2.12</td>
<td>Indoor positioning</td>
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<td>2.2.13</td>
<td>Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)</td>
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<td>2.2.14</td>
<td>Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)</td>
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Construction Industry Council
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BIMCAS 2026 New Enhancement

-		Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	No. of Assignment	Description	Examination
3. BIM Uses and Processes		*3.1. – BIM Organisational Strategy and Requirements*						
	3.1.1	General understanding of the workflows in local construction projects	L1	* *This Core Subject is optional for a CIC-Accredited BIM Coordinator Course*				
	3.1.2	Overview of BIM strategy, uses and organisation		Removed				
	3.1.3	Key personnel in relation to BIM and their roles and responsibilities						
	3.1.4	BIM related documents such as Exchange Information Requirements (EIR), Asset Information Requirements (AIR), BIM Execution Plan (BEP) to be applied during the execution of BIM projects						
	3.1.5	Various technologies to achieve BIM uses						
		3.2. – Administration of the BIM projects as a project BIM coordinator						
	3.2.1	BIM project execution in accordance with BEP and BIM standards		Removed				
	3.2.2	BIM models, data structures and linkages in accordance with BEP and BIM standards for various work stages.	L3	1	1	1	Participants are suggested to spend their own time on essential or further readings. Assignment can be incorporated into workshop.	Part of the final examination
	3.2.3	The progress of developing single or multi-disciplinary BIM models		Removed				
	3.2.4	Coordination and utilisation of the BIM models with internal teams and cross-disciplinary project stakeholders						
	3.2.5	BIM-related meetings and documentations, including communication of coordination issues and model updates						
		3.3. – Execution of BIM Uses for single and multi-disciplinary coordination in BIM projects						
	3.3.1	Spatial Coordination and 3D Construction Coordination	L3	1	2	1		
	3.3.2	Phase Planning (4D Modelling)	L3		2			
	~~3.3.3~~	~~Design Reviews~~	Removed		Removed			
	3.3.4	Drawing Generation directly from BIM software / platforms	L3		2			
	3.3.5	As-Built Modelling	L3		1			
				2	8	2		

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BIMCAS 2026 New Enhancement

-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	No. of Assignment	Description	Examination
4. Digital Information Management, Collaboration and Integration	*4.1. – Digital Information Management*							
	4.1.1	BIM information and model exchange for multi-disciplinary collaboration						
	4.1.2	Maintain the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages						
	4.1.3	Data structures and linkages of the BIM models within the BIM software/platform protocol for various work stages				Removed		
	4.1.4	Maintain accurate data set such as BIM-related coding systems, classifications, templates, standards, libraries, project files, drawings, design specifications and project schedules for BIM project execution						
	4.1.5	Information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)						
	4.2. – Common Data Environment (CDE)							
	4.2.1	CDE and the workflow as per ISO 19650						
	4.2.2	Common CDE solutions in the market						
	4.2.3	Administer and maintain a CDE				Removed		
	4.2.4	Information exchange in a CDE						
	4.2.5	Limitation of CDE						
	4.3 – Data Quality Assurance & Audit across various work stages							

BIMCAS 2026 New Enhancement

4.3.1	BIM quality assurance and audit principles	Removed				Assignment can be incorporated into workshop.	Part of the final examination
4.3.2	BIM quality assurance, audit and checking for various work stages	L3	0	2	1		
4.3.3	BIM quality assurance and audit reports for various work stages	Removed					
			0	2	1		
		Sub-Total (Hours)	2	10	No. of Assignment		3
		Total	12		Examination		1.5

BIMCAS 2026 New Enhancement

3. A Flowchart to Identify your Certification Assessment Path

Identify Your Certification Assessment Path
Based on Course Completion Date and Application Date

Course Start Date

Is the CCBM/CCBC Course started before or after **1 April 2026**?

before — Existing syllabus

after — New syllabus

Date of Application for Certification

Do you apply for certification before or after **1 October 2026**?

before — Assessment on **existing** core competencies

after — Assessment on **new** core competencies#

#Reference materials on additional topics of new syllabus will be published.

Do you apply for certification before or after **1 October 2026**?

before — Assessment on **existing** core competencies

after — Assessment on **new** core competencies