CHARTERED

CHARTERED BUILDING INFORMATION MODELING PROJECT MANAGER™

CBIM™

Fully Accredited By:

Chartered Institute of Professional Certifications

CPD Certification Service

PROGRAM OVERVIEW

ACCREDITATIONS

Did you know that nearly up to 80% of construction and engineering projects experience major delays? BIM address these challenges by enabling **integrated digital collaboration which reduces project rework by up to 40% and shortening project delivery timelines by approximately 15%**.

This certified program is designed to equip construction and engineering leaders with the advanced knowledge, technical fluency, and strategic management capabilities needed to lead BIM adoption and delivery at the highest level. Throughout the program, you will develop a comprehensive command of **BIM principles, including information modelling standards, common data environment governance and model-based project coordination**. Participants will learn how to translate **BIM methodology into structured project delivery frameworks** that improve design accuracy, cross-disciplinary coordination, and decision-making across complex construction programs. Through hands-on use of **Revit, Navisworks, Autodesk Construction Cloud, InfraWorks, and Civil 3D**, you will learn how to control model federation, clash detection, versioning, and ISO-aligned information workflows.

Participants will gain hands-on expertise in integrating BIM across the full project lifecycle, from concept design and procurement through construction sequencing and asset handover. Additionally, this program places strong emphasis on **3D design, 4D construction sequencing, 5D cost control, 6D asset information management, 7D sustainability analysis, and 8D safety and risk planning** and BIM execution planning, equipping you to lead information management strategies that align design teams, contractors, clients, and facilities managers under a single federated model environment. You will also develop proficiency in **BIM governance, ISO 19650 compliance, and performance measurement frameworks**, enabling you to define, implement, and continuously improve information management standards at an organizational level.

PROGRAM OVERVIEW

By the end of the program, you will be fully prepared to lead **high-impact BIM initiatives** that reduce project risk, accelerate delivery, and generate measurable improvements in both construction performance and long-term asset value.

Upon successfully completing the program, you will be awarded the **Chartered Building Information Modeling Project Manager (CBIM™)** designation. This credential will strengthen your professional credibility and **position you as a leader in digital construction and BIM-driven project delivery**. With CBIM™, you will gain the confidence and authority to **lead multidisciplinary BIM teams, implement standardized digital workflows, and improve project coordination and cost predictability**. Globally recognized and valid for life, the CBIM™ designation will help accelerate your career and open opportunities for senior leadership roles in construction and engineering.

ACCREDITATIONS

Trustpilot
★★★★★
4.8
★★★★⯪

CHARTERED
INSTITUTE OF PROFESSIONAL CERTIFICATIONS
4.6
★★★★⯪

KEY SKILLS YOU WILL GAIN
From This Program

ISO 19650 FRAMEWORK COMPLIANCE
PAS 1192-2:2013 IMPLEMENTATION
BIM EXECUTION PLAN (BEP) DEVELOPMENT
EMPLOYER'S INFORMATION REQUIREMENTS (EIR)

COMMON DATA ENVIRONMENT (CDE) GOVERNANCE
AUTODESK REVIT MODELING & DOCUMENTATION
MULTIDISCIPLINARY MODEL COORDINATION

FEDERATED MODEL MANAGEMENT
CLASH DETECTION & RESOLUTION
NAVISWORKS MANAGE PROFICIENCY
AUTODESK CONSTRUCTION CLOUD (ACC)

4D CONSTRUCTION SEQUENCING
5D COST & QUANTITY MANAGEMENT
6D SUSTAINABILITY INTEGRATION
7D ASSET & FACILITY MANAGEMENT
8D SAFETY & RISK MANAGEMENT

MODEL-BASED QUANTITY TAKE-OFF (QTO)
CENTRAL FILE & WORK-SHARING COORDINATION

Dr Amer Hijazi

Seasoned BIM and Digital Engineering Leader
Faculty Director for Canada and Australia

Dr. Amer Hijazi is a globally recognized Building Information Modeling authority and digital engineering specialist with over a decade of transformative leadership across Australia, the United Kingdom, the UAE, Jordan, and Saudi Arabia. **Holding a Ph.D. from the Centre for Smart Modern Construction at Western Sydney University, he pioneered the BIM Single Source of Truth (BIMSSoT) framework — an award-winning model integrating blockchain for secure, interoperable data governance across the built environment**.

As a **RICS-Certified BIM Project Manager and Autodesk Certified Professional across Revit, Civil 3D, InfraWorks, Navisworks, and Forma**, Dr. Hijazi has delivered over 15 full-scale BIM implementations worldwide and trained over 300 professionals globally. His landmark collaborations include Zaha Hadid Architects, Transport for London, Abu Dhabi Ports, Autodesk, Omrania & Associates, and the NSW Government. **He has also co-authored Australian National Standards AS 7739.1:2022 and AS 7739.2:2023 for digital engineering in rail and infrastructure**.

As Lead Digital Consultant at the Institute of Applied Technology – Construction under the NSW Government, and Academic Specialist at Western Sydney University, **Dr. Hijazi has designed and delivered internationally accredited BIM programs integrating ISO 19650 and PAS 1192-2:2013**. His teams achieved **Top 3 national rankings in the Autodesk Challenge Cup** for four consecutive years, cementing his reputation as one of the world's most authoritative and impactful BIM educators and practitioners.

Oliver Dwaik

Leading BIM and Virtual Design & Construction Expert

Faculty Director for Europe and UK

Oliver Dwaik is a highly accomplished BIM and digital construction leader with over 18 years of engineering experience, including specific expertise in Building Information Modeling (BIM) and Virtual Design and Construction (VDC). He currently serves as Director of Engineering BIM/VDC at Exyte in Germany, where he **leads BIM strategy and digital project delivery across complex engineering and construction projects in Continental Europe**. His project portfolio spans high-rise buildings, hospitals, pharmaceutical facilities, semiconductor and battery factories, office buildings, and data centers.

Oliver holds a Master's degree in Energy Efficiency and Sustainable Building Design and has extensive expertise in B**IM consultancy, ISO 19650 information management, digital workflows, and Common Data Environment implementation**. A Certified Autodesk Trainer, he has established and managed Autodesk-certified training centers and developed online BIM learning platforms. Oliver also **served as Assistant Professor of BIM Technology at Munich University of Applied Sciences, where he taught advanced BIM practices** and contributed to developing the next generation of digital construction professionals.

OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before

Goldman Sachs

SAMSUNG

ExxonMobil

BURBERRY

citi

IKEA

VOLVO

HYUNDAI

Pfizer
Life is our life's work

Nestle

PROGRAM AGENDA

CBIM™
CHARTERED BUILDING
INFORMATION
MODELING
PROJECT MANAGER™

MODULE 1 - OVERVIEW OF THE AEC INDUSTRY AND BIM STANDARDIZATION (2D TO 3D BIM)

- Introduction - Evolution of the AEC Industry from 2D Drafting to Data-driven BIM Workflows
- Overview of PAS 1192-2:2013 and ISO 19650-1 & 19650-2 Frameworks
- Importance of BIM Standardization and Information Management
- Case Study 1 - 2D to 3D
- Autodesk Account Creation & Autodesk Revit
- Revit Template Usage for BIM Projects
- Autodesk Fusion Team & Supporting Files

MODULE 2 - EMPLOYER'S INFORMATION REQUIREMENTS (EIR) AND INFORMATION EXCHANGE

- Introduction - Employer's Information Requirements (EIR) and Information Exchange
- Relationships Between OIR, AIR, PIR, and EIR
- Structure, Purpose, and Development of EIRs
- EIR Template - NATSPEC National BIM Guide
- EIR Template by CDBB - Part 1

- EIR Template by CDBB - Part 2

MODULE 3 - BIM EXECUTION PLANNING & ISO 19650 ROLES AND RESPONSIBILITIES

- Introduction - BIM Execution Planning & ISO 19650 Roles and Responsibilities
- Components of Pre- and Post-contract BEPs
- Defining BIM Roles, Responsibilities, and Approvals
- Setting Up BIM Workflows Aligned with ISO 19650
- Case Study 2 - BIM Execution Plan (BEP) and Digital Delivery – Qiddiya Project, Saudi Arabia
- Delivery Team BIM Execution Plan (BEP) Template - Combined
- Delivery Team BIM Execution Plan (BEP) Template - Contd.
- Information Protocol to Support BS EN ISO 19650-3 the Operational Phase of Assets - Part 1
- Information Protocol to Support BS EN ISO 19650-3 the Operational Phase of Assets - Part 2
- How BIM Changes Contractual Arrangements

PROGRAM AGENDA

MODULE 4 - MULTIDISCIPLINARY COLLABORATION AND COORDINATION

- Introduction - Multidisciplinary Collaboration and Coordination
- Integration between Architectural and Structural
- Integration between Architectural – Structural and MEP
- Introduction to the BIM Federated Model
- Construction Model-1
- Construction Model-2

MODULE 5 - CENTRAL FILE COORDINATION

- Introduction - Central File Coordination
- Central File Setup, Work-sharing, and Collaboration
- Managing Linked Models and Version Control/ Work Sharing in Revit
- Central File in Cloud

MODULE 6 - BIM COMMON DATA ENVIRONMENT (CDE) AUTODESK CONSTRUCTION CLOUD (ACC)

- Introduction - BIM Common Data Environment (CDE)
- Understanding CDE Principles and Workflows

- Data Validation, Versioning, and Approvals Within Autodesk Construction Cloud (ACC)
- Collaboration, Communication, and Issue Tracking - Part 1
- Collaboration, Communication, and Issue Tracking - Part 2

MODULE 7 - CONDUCTING CLASH DETECTION IN NAVISWORKS MANAGE-APPLIED COORDINATION WITHIN THE FEDERATED MODEL

- Introduction - Conducting Clash Detection in Navisworks Manage - Applied Coordination within the Federated Model
- Navisworks Clash Detection & Federated Model Coordination - Part 1
- Navisworks Clash Detection & Federated Model Coordination - Part 2
- Setting Clash Rules and Priorities
- Managing Clash Reports and Resolutions

MODULE 8 - MODEL-BASED QUANTITY TAKE-OFF (5D BIM)

- Introduction - Model-Based Quantity Take-Off (5D BIM)
- Performing Quantity Take-off Using Revit Schedules
- Linking Cost Data to Model Elements for 5D Integration

PROGRAM AGENDA

MODULE 9 - INFRASTRUCTURE AND LAND DEVELOPMENT MODELING

- Introduction - Infrastructure and Land Development Modeling
- Using Autodesk Infraworks and Civil 3D for Terrain, Roads, and Utilities
- Integrating Civil 3D (Civil Works Data) and Revit
- Case Study 4 - Infrastructure and Land Development (Western Sydney Airport, Australia)

MODULE 10 - SUSTAINABILITY AND 7D BIM INTEGRATION

- Introduction - Sustainability and 7D BIM Integration
- Using Autodesk Forma for AI-based Environmental Simulations
- Conducting Revit Green Studies and Performance Assessments

MODULE 11 - ASSET INFORMATION, FACILITY MANAGEMENT, AND 6D BIM

- Introduction - Asset Information, Facility Management, and 6D BIM
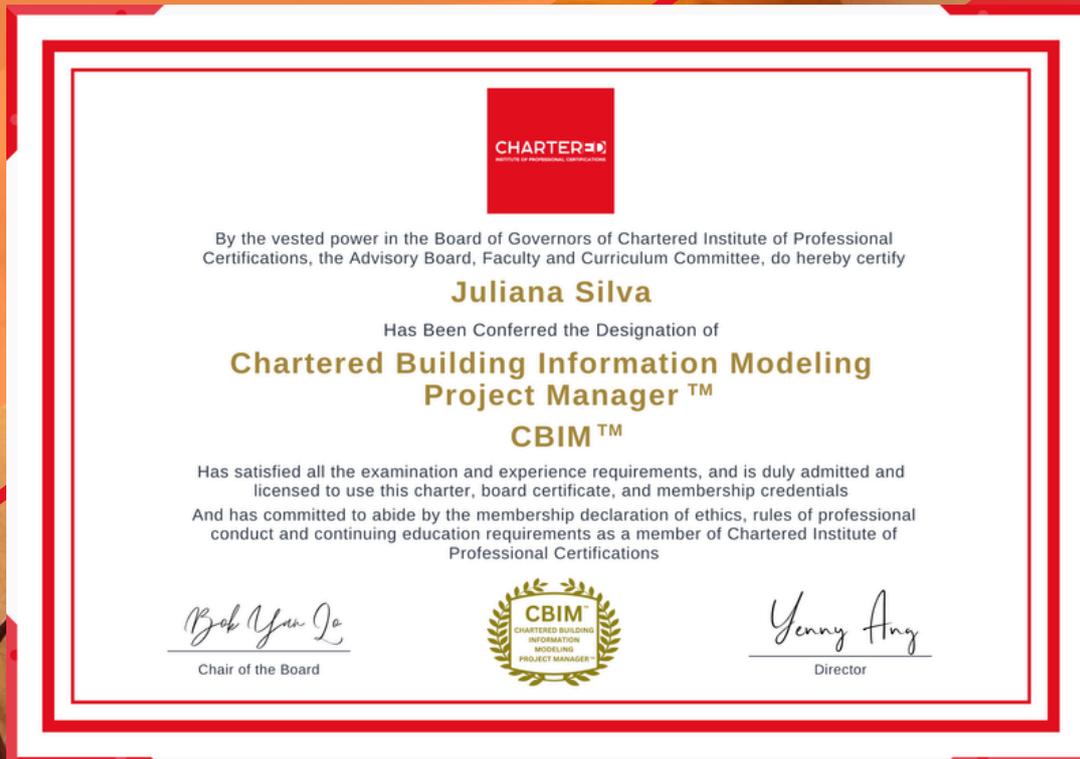- Implementing COBie Workflows in (Revit) for Structured Facility Management Data Delivery

- Applying Autodesk Navisworks to Support Facility Management Workflows

MODULE 12 - CONSTRUCTION SEQUENCING 4D, SAFETY, RISK MANAGEMENT, AND 8D BIM

- Introduction - Construction Sequencing 4D, Safety, Risk Management, and 8D BIM
- 4D BIM Time Integration
- 8D BIM Safety Management: How Can BIM Support Construction Safety Management?

EXAMINATION

YOUR CHARTER DESIGNATION

By the vested power in the Board of Governors of Chartered Institute of Professional Certifications, the Advisory Board, Faculty and Curriculum Committee, do hereby certify

Juliana Silva

Has Been Conferred the Designation of

Chartered Building Information Modeling Project Manager ™

CBIM ™

Has satisfied all the examination and experience requirements, and is duly admitted and licensed to use this charter, board certificate, and membership credentials
And has committed to abide by the membership declaration of ethics, rules of professional conduct and continuing education requirements as a member of Chartered Institute of Professional Certifications

Chair of the Board   Director

Chartered Institute of Professional Certifications' programs are unique as they provide you with professional charter designations and marks that can be used across your lifetime once you have completed our programs.

Upon completing the program and passing the exam, you will receive the prestigious **Chartered Building Information Modeling Project Manager (CBIM™)** credential. This certification will establish you as a recognized expert in digital construction and BIM leadership. It not only elevates your professional credibility but also strengthens your authority as a trusted leader in BIM-driven digital project delivery.

Developed by the **Chartered Institute of Professional Certifications**, the CBIM™ credential is globally recognized as a mark of excellence in BIM leadership, digital project governance, and integrated construction delivery. The program is also independently accredited and certified by **CPD**, ensuring it meets the highest standards of continuing professional development.

ABOUT US

49,525 — Business Leaders Have Attained Their Chartered Certifications Since 2009

390 — Certified and Fully Accredited Programs

87% — Chartered Leaders Have Reported Career Promotions and Enhancements

Chartered Institute of Professional Certifications

All of Chartered Institute of Professional Certifications programs are fully accredited programs. The professional charters and designations are trademarked credentials that can only be used by professionals who have completed and passed our accredited program. It is also independently accredited by CPD as adhering to the highest standards of continuing professional principles.

CHARTERED
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

OUR FACULTY DIRECTORS

We Collaborate With Instructors From Renowned Institutions

CONTACT US TODAY

We Thank You for Your Ongoing Support of Our Programs

Singapore and Asia Pacific Enquiries

Email: advisor@charteredcertifications.com
Phone: +65 6716 9980
Address: Chartered Institute of Professional Certifications
1 Gateway Drive
#20-04 Westgate Tower
Singapore 608531

Australia and New Zealand Enquiries

Email: advisor@charteredcertifications.com
Phone: +61 3 9909 7310
Address: Chartered Institute of Professional Certifications
530 Little Collins Street, Level 1
Melbourne VIC 3000, Australia

UK, Europe and Middle East Enquiries

Email: advisor@charteredcertifications.com
Phone: +44 (020) 335 57898
Address: Chartered Institute of Professional Certifications
86-90 Paul Street
London, EC2A 4NE

USA Enquiries

Email: advisor@charteredcertifications.com
Phone: +1 888 745 8875
Address: Chartered Institute of Professional Certifications
99 Wall Street #3936
New York, NY 10005