MSc BIM Management & Integrated Digital Delivery



• Degree qualification (minimum lower 2nd class) in an appropriate construction discipline (e.g. architecture, architectural technology, civil, mechanical, electrical engineering, surveying etc.) + 3 years relevant industrial experience

OR

• Corporate membership of a relevant professional body including 3 years of relevant industrial experience

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OR

Relevant industrial experience on a case by case basis
Candidates should also have creative, proactive qualities, ability to engage with technology, exercise leadership as an individual and work efficiently in teams. Applicants should supply evidence of the previous qualities in their personal statement.

Non-English native speakers are required to show high level of competence in the use of English, equivalent to at least 6.5 in the IELTS test or TOEFL 575 (paper based), 237 (computer based).

10. Aims of the programme

The programme aims to:

- Build the knowledge of how Building Information Modelling Management (BIMM) is a managed, enhanced processes and workflows approach to the collection and exploitation of information and 3D models across a construction/infrastructure project from conception to demolition.
- 2. Ensure that the candidates leaving the programme are BIM enabled with a critical awareness of contemporary Integrated Digital Delivery methods and techniques informed by technology, research and management skills in standard and unpredictable scenarios.
- 3. Provide practitioners in the property, construction and facilities sector, and related stakeholders providing services for it, with a qualification to be employed in a management role in Building Information Modelling (BIM) projects. These include technical BIM management positions, operational/administrative BIM management positions, and strategic BIM management positions.
- 4. Develop skills and understanding to work in a collaborative work environment
- 5. Develop critical thinking, leadership, team/personal and decision- making skills, and the ability to reflect upon strategic decisions.
- 6. Enhance learners' capabilities to negotiate, design and complete BIM projects/inquiries/activities which meet both their own needs and those of their employers/sponsors/organisations.

11. Programme outcomes*			
A. Knowledge and understanding On completion of this programme the successful student will	Teaching/learning methods		
have knowledge and understanding of the following:	Students gain knowledge and		
Evaluate the interaction processes involved in designing, constructing and managing a building through use of BIM 3D models and data sets. Recognise the importance of collaborative working	understanding through given face-to-face or online lectures, analysis of existing or new design		

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12. Programme structure (levels, modules, credits and progression requirements)

12. 1 Overall structure of the programme

be taken in the 1st or 2nd year before or after completion of the 2nd module, but at minimum after the 1st module is completed. During these workshops the cohort will reflect and provide feedback on all prior knowledge acquired within the previous 2 modules and guest lectures, with introduction of business games/scenarios/role-play and case studies. They will also propose their thesis topics, 2.6 ()-2 (, 2.6 (4.3 4 (bus)-2	(i)2.6 (nes)-2 (s	5)-2

be possible to collaborate and merge their experiences.

The programme runs from the Autumn term through to the Spring term (24 weeks contact) during which the 1st only or 1st and 2nd modules may be completed leading to the 3rd s



strong involvement from industrial partners in terms of sponsored projects and specialist lectures. A series of 30 online/face-to-face guest lectures are compulsory for attendance and analysis by the candidates throughout the course of the programme.

16. Future careers (if applicable)

Graduates from the programme will be qualified and expected to take on a managerial role in Business Information Modelling construction and infrastructure projects either on a technical, operational or strategic level within an organisation. Examples are Model managers, BIM coordinators, BIM leads, BIM managers, BIM champions, BIM directors from any stakeholder's side whether the consultant, contractor, client etc. Graduates will have highly specialised technical, analytical and collaborative operational and strategic decision-making skills that are much sought after qualities due to the novelty of the area in concern worldwide. The programme content will be enriched by keeping industrial engagement and collaboration active, and offering sponsored projects. This will help reveal current opportunities and future trends in their relevant employment sector.

17. Particular support for learning (if applicable)

Meeting the learning outcomes of this programme requires active participation in the subject and development of autonomous practice in meeting objectives. S



• CIOB Education Framework for Masters Degree Programmes (2010)

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