

Postgraduate Diploma in BIM and Digital Leadership



The Postgraduate Diploma in BIM and Digital Leadership is a programme that will directly respond to a significant gap in national and international educational provision related to digital leadership across the built environment value chain. The programme will provide a flexible, multidisciplinary and industry-focused programme that will empower graduates to lead the transition towards a collaborative digitalised built environment.

This course uses a work-based research learning practice. Each student will gain a broader knowledge, both National and International, on forward thinking strategies which can be applied to their interests and situation. Students will use Model based Analytical tools and Process analysis tools to improve their Organisation understanding of potential of BIM.

The expectation is that each student will become a BIM Leader within their organisation and have a clear set of skills to strategically develop BIM in their Organisation or Practice.

Course Title

Postgraduate Diploma in
BIM and Digital Leadership

Credits

60 ECTS

NFQ Level

9

Campus

Galway

Duration

1 Year



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an Atlantaigh

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Why Study?

Strategy:

To develop a BIM systematic strategy for your organisation.

Industry Knowledge: To gain broader knowledge of BIM theories and practice from Leading industry speakers.

Practical application:

To further their career in Digital Leadership through robust theories and practical application of software.

Progression

Postgraduate Diploma will be facilitated over 3 semesters where students must complete the two mandatory modules, BIM and Digital Leadership (15 credits) and Applied Build Digital Work-Based Research Project (30 credits), and either one of the two electives currently on offer i.e., BIM for Sustainability (15credits) or Visual Programming for Digital Construction (15 credits). Graduates of the Postgraduate Diploma can subsequently register for the M.Sc. in Year 2.

What can I Expect?

- Blended delivery.
- Every Tuesday online for 4 hours to include one hour industry speakers and discussion. 3 hour workshop.
- Self-directed on line learning released every Friday with assignments due the following week.

Course Content:

The course comprises the following modules:

Modules covered

- Building Information Modelling (BIM) and Digital Leadership – Mandatory (15 credits)
- Visual Programming for Digital Construction – Elective (15 credits)
- Building Information Modelling for Sustainability – Elective (15 credits)
- Build Digital Applied Work-Based Research Project – Mandatory (30 credits)

Guest lecturers are delivered each week by leading industry experts in their fields both from Ireland and the UK.

Career Opportunities

Digital Application Specialist, BIM implementation Managers, Organisational Digital strategist. Virtual Construction Managers, BIM Managers.

Endorsements

“I could not complete a successful Digital Transformation within the practice without the guidance of this programme. I learned to analyse the current state of our workflow process and critically examine the shortcomings within the Gap Analysis. I found new resources that help enable transformation and prepare me for the workload, training of staff, resistance etc. Each of the assignments led me along the path that I needed to travel to educate myself and to critically dissect our process workflows.”

Kevin Martin, Student

“The future state map resulted in a graphic that is understandable with various miles stones set to aid the organization in improving towards an overall goal. The Road Map Strategy sets out a path forward to moving the practice towards compliance with ISO19650.”

Stephen Bournesouth, Student

“Having industry experts from the UK and Ireland speaking each week really underpins what is happening in industry and help students push the boundaries in their organisations.”

Jimmy Fahy, Programme Coordinator

Industry Endorsement

“We require leadership in digital construction and this programme will help companies to plan their digital transition”

Paul Brennan, BAM Ireland

Entry Requirements

Candidates must hold a cognate level 8 Bachelor (Honours) degree with a minimum grade classification of H2.2 or equivalent e.g., Civil Engineering, Construction Management, Architectural Technology, Architecture, Construction Economics and Surveying, Building Information Modelling or other similar degrees which provide students with knowledge of BIM as a technology and a process. Candidates who do not meet the H2.2 performance standard in a level 8 award will be required to pass a qualifying assignment at a H2.2 performance standards.

How to Apply

If you are interested in applying to this programme, please contact learn.galwaymayo@atu.ie or you may apply directly using the online admissions system <https://apply.atugalwaymayo.ie>

I want to know more.
Who can I talk to?

Jimmy Fahy

Programme Co-ordinator. He will be happy to help you.

E jimmy.fahy@atu.ie

Or find out more at www.atu.ie



www.atu.ie

