

new **BACHELOR OF TECHNOLOGY IN
DIGITAL CONSTRUCTION MANAGEMENT**



new

BACHELOR OF TECHNOLOGY IN DIGITAL CONSTRUCTION MANAGEMENT

The Bachelor of Technology in Digital Construction Management programme integrates advanced construction technologies. It emphasises hands-on learning for a deep understanding of the industry and the latest technologies in modern construction management.

Students will study Building Information Management (BIM) principles, digital technologies implementation, and design for single living spaces, residential and commercial buildings using BIM and other digital tools. They will also develop expertise in advanced digital equipment, such as 3D mapping, Global Positioning System (GPS), Geographic Information System (GIS), and the use of Virtual Reality (VR) applications in scientific research, training, and industrial design. Additionally, they will explore smart technologies for defect detection and perform lifecycle cost analysis, essential for enhancing construction management efficiency, quality, and productivity.

Highlights

- Accredited by the Malaysia Board of Technologists (MBOT)
- Prepares students to execute projects related to the Fourth Industrial Revolution (IR4.0)
- Provides a detailed understanding of Digital Construction Management for a wide variety of construction industries.
- Hands-on learning for a deep understanding of the construction industry and the use of the latest technologies in modern construction management

Career opportunities

BIM Modeller, Assistant BIM Manager/ BIM Coordinator, BIM Manager, Construction/Project Manager, Assistant Project Manager, Project Coordinator, IoT practitioner for Construction, Systems Analyst for Construction, Drone Specialist and Facility Manager

Programme Structure

Year 1

- Building Structure
- Construction ICT
- Construction Materials
- Construction Technology
- Digital Construction Studio 1: Single Living Space
- Immersive technology
- Introduction to BIM and Digital Technologies for Construction
- Introduction to Programming
- Mathematics
- Surveying
- Technical English

Year 2

- Advanced Digital Surveying
- BIM and Digital Technologies for Construction 2
- Building Services Technology
- Construction Economics
- Digital Construction Studio 2: Residential
- Environmental Science
- Estimating & Contract
- Project Management
- Smart Technology
- Sustainable Construction

Year 3

- Cloud Technology
- Construction Safety & Health
- Digital Construction Studio 3: Commercial
- Drone Operation
- Integrated Construction Management Project
- Internet of Things for Construction
- Research Methodology
- Risk and Value Management
- Final Year Project
- Industrial Training

*For Malaysia students who do not have a credit in SPM BM

MPU subjects

1. Compulsory

- Appreciation of Ethics and Civilisations (Local students) / Communicating in Malay 2 (International students)
- Philosophy and Current Issues
- Integrity and Anti-Corruption
- Co-curriculum
- Bahasa Kebangsaan A*

2. Electives (choose one)

- Design Thinking
- Corporate Social Responsibility
- Presentation Skills

Offered at

INTI International University
(N/0733/6/0005/08/28)(MQA/PA16119)

Intake(s)

MAY & AUG

Duration

3 Years

Programme Accredited by:



ENTRY REQUIREMENTS

- | | | |
|----------------------------------------------|---|------------------------------------------------------------------------------|
| • STPM | — | Full passing in a minimum of 2 subjects with Grade C (a minimum of CGPA 2.0) |
| • A-Level | — | Full passing in a minimum of 2 subjects |
| • UEC | — | Minimum of Grade B in 5 subjects |
| • Local Matriculation/Foundation | — | Minimum of CGPA 2.0 |
| • Diploma/Advanced Diploma/Degree/Equivalent | — | Minimum of CGPA 2.0 |

Other qualifications deemed equivalent to STPM / A-Level by the Malaysian Qualifications Agency

ENGLISH LANGUAGE REQUIREMENTS

- IELTS 5.0; OR its equivalent

In the event that the English language requirements are not met, students may be required to undertake additional English module(s) prior to or concurrently with the programme, based on the University's decision.
Note: International students are subject to entry requirements of their own country's academic qualification.

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