MAHSA UNIVERSITY

Diploma in Architectural Technology

KPT/JPS (N/580/4/0023) (MQA/PA15099) 12/26

Overview

Architectural technology is a relatively new discipline in Malaysia. The practice of architectural technology is underpinned by the application of science, engineering and technology and is closely aligned to industry. MAHSA University will be the pioneer University in Malaysia that takes the privilege to offer a program of “Diploma in Architectural Technology” embedded with Building Information Modelling (BIM) and sustainability.

Industry is now recognising the value of the discipline of architectural technology as critical in the digital age given its focus on empirically based digitalisation of design and construction through Building Information Modelling which relates to production, performance, environmental sustainability, economic efficiency and effectiveness.
Now the Architectural Technologists has moved away from the role of “technician” to the role of “building specialist”, contributing to construction teams as specialist designers who have unique strengths in building performance, production and process.

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Moving into the future construction industry, BIM (Building Information Modelling) and green technology will be the mechanism to organise and generate architectural technology information that allows efficiency and building management.

The programme aims to prepare students with advanced computer applications, hands-on training and industry-relevant projects that leads them to become a competent architectural technician, BIM modeller and other related jobs as well an opportunity to further their studies to Bachelor of Architectural Technology or related disciplines.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

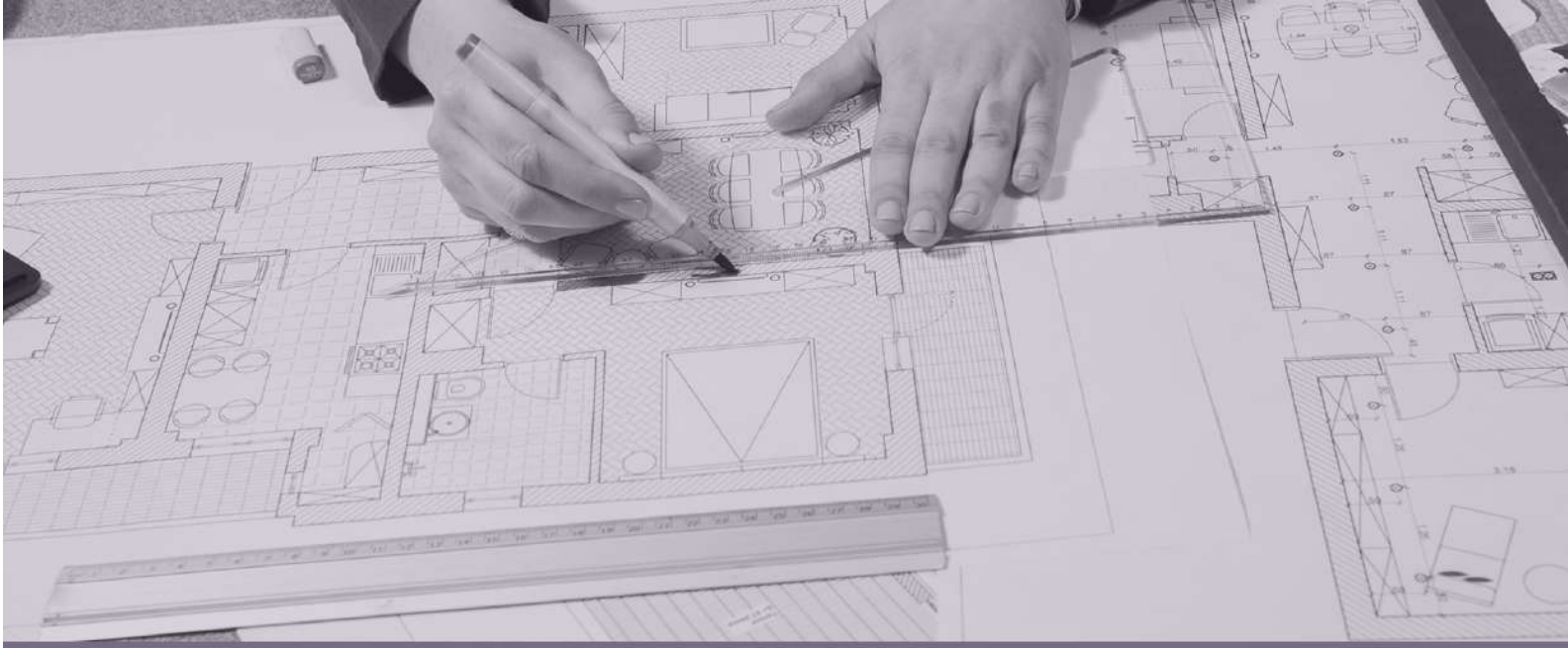
PEO 1 Undertake tasks and challenges in the field of architectural technology in sustainable manner by applying adequate knowledge, technical skills and advanced technology.

PEO 2 Broadly communicate to convey information and provide technical assistance and design support for the practice of architecture and management of construction project.

PEO 3 Possess interpersonal and entrepreneur skills for lifelong learning and career development in line with modern technology and sustainable development.

ADVANTAGES OF STUDYING ARCHITECTURAL TECHNOLOGY:

- **We are among the pioneers to offer the programme in Malaysia.**
- **BIM is the way forward in the industry, with increasing demand in the future.**
- **Internship provided for smooth transition to the industry.**
- **Diploma students who graduate as Architectural Technician with BIM knowledge and practical skills will have wider job opportunities in the building industry.**
- **A graduate of the Diploma in Architectural Technology can smoothly continue with the Bachelor of Architectural Technology to become an Architectural Technologist.**



PROGRAMME LEARNING OUTCOMES (PLO)

	Programme Learning Outcome (PLO) At the end of the programme, students should have the ability to:
PLO 1	Demonstrate adequate knowledge of architectural technology specialisation to the solution of various building technology and construction problems.
PLO 2	Demonstrate basic practical skills in terms of building systems and services, construction, economics, regulation, design process, contract management and sustainability.
PLO 3	Apply problem-solving skills while performing contractual responsibilities related to architectural technology.
PLO 4	Broadly communicate on architectural technology solution and activities with peers, clients, superior and society in verbal, visual and written.
PLO 5	Function adequately both individually and in teams with the potential to be a leading construction-industry player.
PLO 6	Apply basic ethical principles and commit to professional ethics, responsibilities and norms in architectural technology practices.
PLO 7	Demonstrate fundamental management skills, career development and lifelong learning skills in the broadest context of technological change and sustainability.
PLO 8	Self-motivate and enhance entrepreneurship skills for career development.
PLO 9	Demonstrate effective leadership responsibility.
PLO 10	Apply appropriate techniques, resources and modern architectural and IT tools to well-defined architectural problems with awareness of the limitations.
PLO 11	Interpret numerical information and apply it to well-defined architectural problems in real-world situations.

Progression Pathway

Bachelor of Architectural Technology or related fields leading to Master in Built Environment or related fields

PRIDE Add-Ons (Assured by City & Guilds)

- Excel and Microsoft Office
- 3D Printing
- 3D Modelling
- Additive Manufacturing

Facilities

MAHSA University is fully equipped with technology studio facilities, concrete, materials and environmental labs, 3D printing machines, computer labs, learning resources and learning support centers as well student social spaces.

Entry Requirements

- SPM- Minimum 3 Cs (including Mathematics) and a Pass in English and Drawing subject.
- O-Level -Minimum 3 Cs (including Mathematics) and a Pass in English and Drawing subject.
- UEC-Minimum 3 Bs (including Mathematics)
- Certificate (Polytechnic)-Minimum CGPA of 2.50 with 2Cs (including Mathematics) and a pass in SPM English.
- Certificate (KKM)-Minimum CGPA of 2.75 with 2Cs (including Mathematics) and a pass in SPM English.
- Certificate/SKM III -Minimum CGPA of 2.50 with a C in SPM, pass in Mathematics and Drawing test by MAHSA University
- SAM/HSC/ AUSMAT TER/UAI- Average of 50% or higher in 5 subjects (including Drawing and English)
- CPU/CIMP- Average of 50% or higher in 6 subjects (including Drawing and English)
- Other Qualifications -As recognised by the Senate of MAHSA University as equivalent to SPM.
- Additional Qualifications -Drawing Test / Portfolio needed if without Pass in Art subject in SPM or without Drawing subject in SPM

Career Opportunities

Jobs directly related to this Diploma include:

- Architectural Technician
- Architectural BIM Modeler
- BIM Supervisor
- Architectural Technical Assistant
- Architectural Technical Coordinator
- Assistant Architectural Technologist
- Site Supervisor
- Architectural Design Assistant
- Building Technician
- Architectural Visualizer
- Building Contractor
- Sales & Marketing Executive (Building Materials /Products)
- CAD Draughtsperson
- Site Inspector

MAHSA 360

At MAHSA University, we provide our students with the opportunity to develop quality skills and understanding that go beyond their field of study which will prepare them for their next leap upon graduation.

MAHSA 360 is our specially designed ecosystem that works to ensure every student is nurtured and supported throughout their student journey.

MAHSA s Passport to Success

Professional Industry-Driven Education (P.R.I.D.E) is MAHSA University' s specially designed education pathway that give students the best of both academic and professional certifications. Students have the opportunity to gain professional skills through various programmes from MAHSA' s collaborations with internationally recognised professional bodies. P.R.I.D.E increases the employability rate of our fresh graduates and puts them on par with the rest in the professional world.

MASTERCLASS

Students of this programme are eligible to gain add-on certification in Masterclasses. There are more than fifty Masterclasses to choose from, and all are designed to further enhance the student's employability, in line with the Industrial Revolution 4.0.

PROFESSIONAL COURSES

Through MAHSA' s collaboration with internationally recognised professional bodies, students will earn certifications that will enhance their professional skills and increase their employability rate.

MOBILITY PROGRAMME

This is a unique opportunity for students to study abroad for up to one year. This programme lets students experience different cultures and practices from around the world. Ask us about our university partners in over fifty different countries.

MAHSA University

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