



MAHSA
UNIVERSITY



Bachelor of Science (Honours) in
**Architectural
Technology**

KPT/JPS (N/581/6/0115)(MQA/PA14801) 11/28

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 with the privilege to offer the programme “Bachelor of Architectural Technology” embedded with Building Information Technology (BIM) and Green Technology.

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 related to production, performance, environmental sustainability, economic efficiency and effectiveness.

Now the Architectural Technologist has moved away from the role of a “technician” to the role of a “building specialist”, contributing to construction teams as specialist designers who have unique strengths in building performance, production and process.

Moving into the future of the 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.

This programme aims to prepare students with advanced computer application, Green Building Index knowledge, hands-on training and industrial projects that will allow them to become future Architectural Technologists.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO 1 Undertake tasks and challenges in the field of architectural technology embedded with sustainability and green technology by applying the necessary and innovative technical knowledge and practical skills using advanced technology.

PEO 1 Demonstrate practical expertise in terms of building systems and services, construction technology, technical design, project management and sustainability using advanced technology.

PEO 1 Analyse and evaluate to solve problems while performing design project and construction documentation responsibilities related to architectural technology practice.





PROGRAMME LEARNING OUTCOMES (PLO)

PLO1	Undertake tasks and challenges in the field of architectural technology embedded with sustainability and green technology by applying the necessary and innovative technical knowledge and practical skills using advanced technology.
PLO2	Demonstrate practical expertise in terms of building systems and services, construction technology, technical design, project management and sustainability using advanced technology.
PLO3	Analyse and evaluate to solve problems while performing design project and construction documentation responsibilities related to architectural technology practice.
PLO4	Communicate effectively on complex architectural technology activities with peers, clients, superior and society in both verbal and written.
PLO5	Function effectively as an individual or in teams, with the capability to be a leading construction-industry player.
PLO6	Apply ethical principles and commit to professional ethics, responsibilities and norms in architectural technology practices.
PLO7	Demonstrate possession of information management skills, career development and lifelong learning skills in the broadest context of technological change and sustainability.
PLO8	Demonstrate entrepreneurial, management and decision-making skills while applying these within multidisciplinary environments.
PLO9	Realise and demonstrate effective leadership responsibility.

Progression Pathway

Master in Built Environment or related fields

Entry Requirements

- Pass Foundation/Foundation in Science/Matriculation / Pre-U in related field from recognised institutions with minimum CGPA 2.67.
- Pass STPM /A-Level with full pass in two (2) subjects.
- Pass UEC with five (5) Grade B's including English and Mathematics.
- Pass Diploma in related fields from recognised institutions with minimum CGPA 2.67
- Australian Tertiary Admission Rank (ATAR) 70 and Grade B in 2 subjects including Mathematics.
- Other equivalent qualifications as recognised and approved by MAHSA University Senate;
- Any other qualifications deemed equivalent by the Ministry of Education, Malaysia (or as stated in the Document of COMPARISON LIST OF EQUIVALENCY OF QUALIFICATIONS, Malaysian Qualifications Agency)
- Other relevant document: Pass Visual Arts in SPM/O-Level or Pass Portfolio Review/Interview by MAHSA

Career Opportunities

Jobs directly related to your degree include:

- BIM Coordinator.
- Architectural technologist.
- Construction Site Manager
- Project Manager.
- Assistant Architect

PRIDE Add-Ons (Assured by City & Guilds)

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

Facilities

MAHSA University are 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.

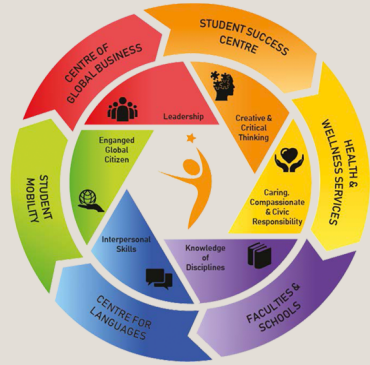
Advantages of MAHSA University's Bachelor of Architectural Technology

- We are the pioneer to offer the programme
- BIM is the way forward in the industry, with increasing demand in the future
- Internships provided for smooth transitions to the industry
- 3.5yrs to graduate as an Architectural Technologist versus 5.5 years to graduate as an Architect

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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