



MAHSA
UNIVERSITY



Faculty of Engineering, Built Environment
& Information Technology

(N/0734/6/0006) (MQA/PA 16271) 02/29

BACHELOR OF QUANTITY SURVEYING (HONOURS)



PROGRAMME OVERVIEW

Bachelor of Quantity Surveying (Honours) program equips students with the essential knowledge and practical skills to launch a successful career in the fast-paced world of Quantity Surveying. It prepares graduates to be well-rounded professionals who can handle the challenges of evolving construction technology.

The program aims to unleash your potential in the construction industry with this comprehensive program. Master cost management, contract administration, innovative technology, and sustainable practices. Gain valuable industry exposure and hone your critical thinking and problem-solving skills through real-world placements. Graduate ready to thrive in a dynamic and rewarding career as a Quantity Surveyor.

Career Opportunities

Jobs directly related to your degree include:

- Quantity Surveyor
- Contract Executive
- Estimator
- Cost Manager
- Project Planner

Entry Requirements

Although admission to the programme requires no prior knowledge in Quantity Surveying, applicants must normally have at least one of the following:

1. STPM or equivalent with at least grade 'C' (NGMP 2.0) in 3 subjects including Mathematics ; and Minimum three (3) credits including credit in Mathematics subjects at spm level; or
2. Pass A-Levels programme with minimum Grade 'D' in three (3) subjects including Mathematics; or
3. Matriculation/ foundation/ foundation with a minimum grade of 2.50 and honors in mathematics at the SPM level; or
4. UEC by obtaining at least grade 'B' in 5 subjects including mathematics, Bahasa Malaysia and English ; or
5. Diploma in related field with a minimum CGPA 2.67 or equivalent and honors in mathematics at SPM level.
6. SAM : pass with minimum 70% and Grade 'B' in 2 subjects including mathematics.
7. CPU/CIMP : Average of 70% or higher in 6 subjects including Mathematics
8. Other qualifications recognized as equivalent by the university senate or the Malaysian government.

International students:

1. International English Language Testing Systems (IELTS) with a minimum of band 5.0; or
2. Test of English as a Foreign Language (TOEFL) with a minimum score of 500; or
3. MUET Band 3

Advance Entry

- Matured students (APEL-C) with relevant qualifications and experience may be given advanced entry and credit exemption up to 30% of total credit offered, which will be decided based on relevant experience held. These students are to be assessed on a case-by-case basis by the HEP in accordance with the latest BQSM requirements particularly Preambles of the List of Accredited Qualifications and Guidelines of Advanced Entry.
- Holders of Malaysia Vocational Diploma (Construction Technology) with relevant qualifications, and students with a diploma in QS or related disciplines may be exempted from certain subjects (up to 30% of total credit offered) and may be given advanced entry, the duration of which may be decided based on the previous programme attended, qualifications and grades achieved.

Progression Pathway

Master's degree in Quantity Surveying or related fields

PRIDE Add-Ons (Assured by City & Guilds)

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

Facilities

Practical facilities for the program are available on site of MAHSA University, Bandar Saujana Putra. Some of the facilities under Faculty Engineering, Built Environment and Information Technology (FOEBEIT) are already available such as CAD lab (BIM Software), Engineering Workshop and Survey Lab can be shared across the programs.

Course Structure

Year 1 Semester 1

- Measurement of Construction Work I
- Construction Technology
- Building Services I
- Construction Material
- Computer Aided Drafting
- Principles of Economics

Year 1 Semester 2

- Hubungan Etinik/ B.Melayu komunikasi 2
- TITAS / Bahasa Melayu komunikasi 3

Year 1 Semester 3

- Measurement of Construction Work II
- Construction Technology for Building Projects I
- Construction Informatics Technology & BIM
- Building Services II
- Construction Economics I
- Construction Law & Contract I
- Estimating and Cost Analysis I

Year 2 Semester 1

- Measurement of Construction Work III
- Construction Technology for Building Projects II
- Estimating and Cost Analysis II
- Construction Economics II
- Construction Law & Contract II
- Professional Practice I

Year 2 Semester 2

- Entrepreneurship
- Youth Development
- Community Work

Year 2 Semester 3

- Measurement of Construction Work IV
- Construction Technology for Civil Projects
- Construction Project Management I
- Facilities management and Costing
- "ELECTIVE MODULE 1
Principles of Structure/ Project Valuation"
- Professional Practice II

Year 3 Semester 1

- Measurement of Construction Work V (Civil Engineering)
- Construction Project Management II
- Professional Practice III
- Final Year Project
- Research Methodology

Year 3 Semester 2

- Multidisciplinary Project Simulation
- "ELECTIVE MODULE 2
Strategic and Value Management / Building Maintenance and Inspection"

Year 3 Semester 3

- Practical Training

PEO

PEO1 Graduates will be equipped with skills and knowledge supported by advanced technology to pursue a successful career in the field of Quantity Surveying whilst prioritising environment, sustainability, and governance.

PEO2 Graduates will receive necessary information and management support to function and excel in the practice of Quantity Surveying to support successful management and delivery of construction project.

PEO3 Graduates will possess interpersonal and entrepreneur skills for lifelong learning in pursuit of personal and common development of Quantity Surveying practice.

PLO

PLO1 Demonstrate adequate knowledge of quantity surveying with specialisation in sustainability and in providing solutions for various building technology and construction problems.; (Knowledge & understanding)

PLO2 Demonstrate functional expertise in terms of building systems and services, construction technology, taking off, measurement, project management and sustainability.; (Cognitive skills)

PLO3 Demonstrate competency in the application of practical skills in discharging their roles at the professional level.; (Practical Skills)

PLO4 Demonstrate competency on construction activities with peers, clients, superiors and society.; (Interpersonal skills)

PLO5 Communicate effectively with a colleague communities and industries players in both verbal and written.; (Communication skills)

PLO6 Apply appropriate techniques, resources of quantity surveying related problems systematically by using digital tools and techniques.; (Digital Skills)

PLO7 Use, interpret and communicate mathematical information and apply it to wide practical procedures and practices in real-world situations.; (Numeracy skills)

PLO8 Contribute effective leadership, consequent responsibilities of sustainable development and teamwork responsibility.; (Leadership, autonomy and responsibility)

PLO9 Realise and demonstrate effectively personal skills in problem-solving.; (Personal skills)

PLO10 Demonstrate entrepreneurial, management and decision-making skills while applying these within multidisciplinary environments.; (Entrepreneurial skills)

PLO11 Ability to demonstrate behaviours that are consistent with the Code of Professional Ethics and Responsibilities as a Quantity Surveyor.; (Ethics and professionalism)



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