

WELCOME TO FACULTY OF BUILT ENVIRONMENT AND SURVEYING

The undergraduate programmes at the faculty consist of the following:

- Bachelor of Science in Architecture
- Bachelor of Science in Construction
- Bachelor of Quantity Surveying
- Bachelor of Landscape Architecture
- Bachelor of Urban and Regional Planning
- Bachelor of Science (Geoinformatics)
- Bachelor of Engineering (Geomatics)
- Bachelor of Real Estate with Honours
- Bachelor of Science (Land Administration and Development)

BACHELOR OF SCIENCE IN ARCHITECTURE

Total Credit Hours (Norm): 120
Min/Max Duration : 3 years/4.5 years

The Bachelor of Science in Architecture Programme is a professional degree that is equivalent to the professional qualification of the Board of Architects Malaysia Part I, which is the first part of a two-tier architecture programme.

The programme emphasizes on architectural design skill based on studio projects and the complementary courses. The continuation of the Board of Architects Malaysia Part II is addressed in the Master of Architecture programme.

Career Prospect: Architectural Officer, Assistant Architect, Building Designer, Project Architect, Project Supervisor, Design Consultant and other architectural design-based interests.

BACHELOR OF LANDSCAPE ARCHITECTURE

Total Credit Hours (Norm) : 131
Min/Max Duration : 4 years/6 years

The Bachelor of Landscape Architecture is designed and implemented since 1993 and was inspired on the core understanding of Man as the steward of the Earth and based on the design and built philosophy. It aims to produce professionals who are competent and technically knowledgeable, critical and creative in problems solving on issues pertaining to aspects of heritage, tropical, urban and natural resources.

Career Prospects: Landscape Architect, Research Officer, Graphic illustrators and Designer, Nursery operators, Landscape Contractor, Landscape Manager etc.

BACHELOR OF URBAN AND REGIONAL PLANNING

Total Credit Hours (Norm) : 134
Min/Max Duration : 4 years/6 years

The profession of urban and regional planning is concerned with the planning, designing and managing of the built environment. It is interdisciplinary in nature and integrates both the art and science of creating a better quality of life in a sustainable environment. The Urban and Regional Planning programme emphasises technical, strategic and generic skills demanded of urban planners. Students are equipped with knowledge, skills and principles of planning, creativity in designing and problem solving, analytical and strategic thinking and competency in research and practice.

Career Prospects: Urban planner; Graduates have the potential to work in urban planning consultancy firms, property developers, project management firms and construction companies, etc.

BACHELOR OF SCIENCE IN CONSTRUCTION

Total Credit Hours (Norm) : 131
Min/Max Duration : 4 years/6 years

The Bachelor of Science in Construction curriculum is designed to provide a solid academic base and professional expertise in the discipline of construction management, and to critically address the present and evolving needs of the construction industry. In order to perform successfully in the construction industry, students must develop an understanding of the technical aspects of construction while applying construction management practices and tools to maintain control, provide information and optimal decisions.

Career Prospects: Construction Project Manager, Construction Project Planner, Construction Site Superintendent, Construction Health and Safety Officer and other comparable and relevant posts in the construction industry.

BACHELOR OF QUANTITY SURVEYING

Total Credit Hours (Norm) : 131
Min/Max Duration : 4 years/6 years

The Bachelor of Quantity Surveying has been designed to offer graduates the opportunity to operate within the existing framework of the Quantity Surveying discipline, the construction industry and related fields. At a personal level, the graduate will be stimulated to adopt a professional and ethical approach that will allow personal development, foster self-respect and improve career aspirations.

Career Prospect: Quantity Surveyors, Construction Contract Managers, Construction Project Managers and other equal and relevant posts in the construction industry.

BACHELOR OF SCIENCE (GEOINFORMATICS)

Total Credit Hours (Norm) : 131
Min/Max Duration : 4 years/6 years

Geoinformatics is the art and science of gathering, processing, manipulating, managing, disseminating and applying geospatial (geographic related) data. This programme is intended to produce professionals who are capable of using geospatial and information technology (IT) to handle geographic information for the economic, social and physical development of the country.

Career Prospects: Geospatialist, GIS/Remote Sensing Manager, Geospatial Data Scientist, GIS Analyst, Geospatial Database Administrator, GIS Programmer/Application Developer, GIS/Remote Sensing Project Manager, GIS/Remote Sensing Project Consultant etc.

BACHELOR OF ENGINEERING (GEOMATICS)

Total Credit Hours (Norm) : 133
Min/Max Duration : 4 years/6 years

Geomatics Engineering is an area of technology for measuring, managing, presentation and analysing the geospatial data relating the earth. Geospatial data are obtained from various sources including observation of satellites orbiting the earth, sensors that are in the air, sea and terrestrial instruments. These data are processed and manipulated using computer and latest software. Also included in the area of geospatial are the computer mapping, remote sensing for monitoring the environment and positioning as well as precise navigation using Global Positioning System (GPS).

Career Prospects: Some graduates involved in land resource management, remote sensing for environment, engineering survey for construction, deformation monitoring, hydrographic survey for oil & gas exploration, and also in geographic information system (GIS).

BACHELOR OF REAL ESTATE WITH HONOURS

Total Credit Hours (Norm) : 130
Min/Max Duration : 4 years/6 years

The Bachelor of Real Estate with Honours is the first real estate degree programme in the country. The programme is mainly designed to meet the different real estate professional needs in the region. The competitiveness of the real estate industry across the region has affected practitioner's expectation of graduates in the field. The changing trend in the industry from purely knowledge-based professionals to one with knowledge and human skills have change the way real estate professionals are trained.

Career Prospects: Valuation Executive, Property Manager, Facilities Manager, Real Estate Agents, Project Manager, Real Estate Agency, Real Estate Consultant, Property Portfolio Manager, Property Fund Manager etc.

BACHELOR OF SCIENCE (LAND ADMINISTRATION AND DEVELOPMENT)

Total Credit Hours (Norm) : 133
Min/Max Duration : 4 years/6 years

The Bachelor of Science (Land Administration and Development) is designed to produce graduates who are competent and knowledgeable in land matters to manage the challenges of land administration system in the 21st century. It is the intention of this programme to make land administration as one of the professions that could enhance the land delivery system of the nation. The sub-disciplines covered in the programme include: Property Development, Property Valuation, Property Marketing, Property Investment, Property Economics and Law.

Career Prospects: Public Sector: Land Administrator in District and Land Office, Registrar in State Land and Mines Office, Development Division in Local Authority, Housing Division in State Government Secretary office and other posts at federal level. Private Sector: Property Developer, Property Consultants, Financial Institutions and other related firms.

UNDERGRADUATE PROGRAMME (FULL TIME)

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