



Bachelor Of Civil Engineering

Civil engineering is a broad discipline that encompasses studies on structures and the natural resources such as water, soil and the environment. It is also considered as an important technological discipline towards the betterment of mankind.

The faculty offers an undergraduate programme which is recognised by the Malaysian Qualifications Agency (MQA). The programme has also been certified with the ISO 9001:2008 certificate. The undergraduate programme is implemented to encompass four (4) thrust areas, which are :-

- Structures and Materials - Civil engineering materials, mechanics of materials, dynamics and static, theory and design of structures and buildings, contract and estimation, principles and practices of construction and management.
- Geotechnic & Transportation - Soil mechanics, foundation engineering and materials, geology, highway design and planning, traffic and transportation.
- Hydraulics & Hydrology - Fluid mechanics and designs of surface and underground water resources system, dams, sewerage systems, water reticulation & drainage and irrigation, offshore, port and hydraulic structures.
- Environmental - Monitoring and control of environmental qualities, drinking water, waste water, disposal and solid wastes, thus, ensuring the natural resources is utilised in a manner that guarantees the well being of mankind and environmental stability.

These thrust areas pave the way into the applications of information technology in civil engineering, for instance, the use of computer in analysis, the design and development of software and sub-routines in solving various civil engineering problems.