

# DIPLOMA IN CIVIL ENGINEERING

JPT/BPP (N/526/4/0125) 03/22



MAHSA  
UNIVERSITY

## FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY



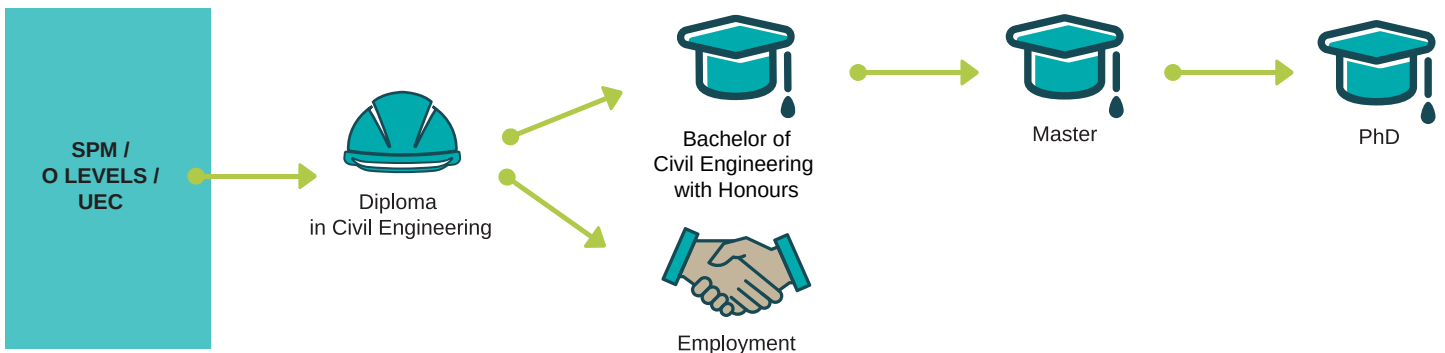
“Engineering is the professional art of applying science to the optimum conversion of natural resources to the benefit of man”

– Ralph J. Smith



Diploma in Civil Engineering is a two and a half years programme that provides students with strong fundamental knowledge and practical knowledge, creative, innovative and able to solve technical problem in civil engineering fields. This diverse profession offers a wide range of activities across a variety of disciplines. Programme enables students to oversee the design concept, construction proceedings and maintenance of the physical and naturally built environment, which include works like roads, bridges, canals, dams, buildings and systems for water supply and sewage treatment. Students will enjoy the hands on approach to the most current civil engineering laboratory equipment in MAHSA University that will nurture a skilful as well as competent civil engineering technologist. These technical engineering skills are in high demand as the construction projects rapidly grow across the globe. If you are a dynamic, hands-on and diverse individual with a great love for infrastructure, Civil Engineering is definitely your ideal career.

## PROGRESSION PATHWAY



## THE ECOSYSTEM

During their time at MAHSA University, we want to provide all of our students with the opportunity to develop qualities, skills and understanding that go beyond the disciplinary expertise and prepare them for the next steps in their chosen careers.

MAHSA 360 is the ecosystem that works to ensure every single student is nurtured and supported throughout the student journey.



# PROGRAMME STRUCTURE

## YEAR 01

Building System and Services  
Civil Engineering Materials  
Civil Engineering Drawings  
Communicative English  
Engineering Mechanics  
Engineering Science  
Engineering Survey  
Estimating and Contracts  
Fluid Mechanics  
Science Laboratory  
Technical Mathematics 1  
Technical Mathematics 2

## YEAR 03

Elective 1  
Elective 2  
Final Project  
Hydraulics and Hydrology  
Water and Wastewater Engineering

## ELECTIVES

Engineering Health and Safety  
Management for Engineers  
Project Management

## YEAR 02

Civil Engineering Lab 1  
Civil Engineering Lab 2  
Civil Engineering Lab 3  
Geotechnical Engineering  
Industrial Training  
Reinforced Concrete Design  
Soil Mechanics  
Steel and Timber Design  
Strength of Materials  
Structure Analysis  
Technical Mathematics 3  
Traffic and Highway Engineering

## GENERAL MODULES

Co-Curricular Project  
Creative and Critical Thinking  
Time Management

### Local Students

Pengajian Malaysia 2

### International Students

Bahasa Melayu Komunikasi 1

# ENTRY REQUIREMENTS

## Academic Qualification

SPM

## Requirements

Pass with min. three (3) Credits including Mathematics, one (1) relevant Science / Technical / Vocational subject and pass in English.

UEC

Pass with min. gred B in three (3) subjects including Mathematics, one (1) relevant Science / Technical / Vocational subject and pass in English.

O-Level

Pass with min. gred C in three (3) subjects including Mathematics, one (1) relevant Science / Technical / Vocational subject and pass in English.

SKMV

Pass with CGPA 2.0 and one (1) year related working experience or one (1) semester bridging programme.

CERTIFICATE

Pass Certificate in Engineering with CGPA 2.0.

Other

Recognised Malaysian qualifications or their equivalent.

## English Proficiency

IELTS	TOEFL
5.0	500

# CAREER OPPORTUNITIES

Assistant Project Manager

Assistant Resident Engineer

Assistant QA/QC Engineer

Assistant Site Engineer

Consulting Engineer Assistant

Design Technician

Environment Officer

Project Planner

Safety Officer Assistant

Sales Executive

Site Supervisor

Site Investigator

Surveyor Assistant

Traffic Management Executive



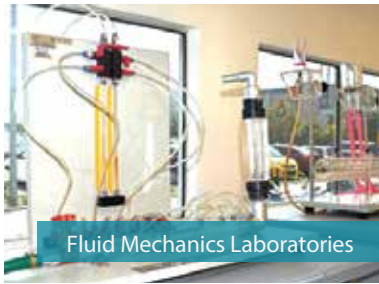
Library



The Habitat



Student Success Centre



Fluid Mechanics Laboratories



Mechanical Laboratories



Workshop



Football Field



Survey Laboratories



Residences

Contact us  
**1800 88 0300**

[marketing@mahsa.edu.my](mailto:marketing@mahsa.edu.my)  
[www.mahsa.edu.my](http://www.mahsa.edu.my)



MAHSA University



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# MAHSA UNIVERSITY

## BANDAR SAUJANA PUTRA CAMPUS

Jalan SP2, Bandar Saujana Putra, 42610 Jenjarom, Selangor, Malaysia

Hotline : +603-5102 2200

### MAHSA UNIVERSITY RECRUITMENT CENTRE (MURC):

#### MURC Penang

441-1-19, Plaza Pulau Tikus, Jalan Burma,  
10350 Georgetown, Pulau Pinang

#### MURC Klang

Tingkat 4 Plaza Blossom, No.56 & 57, Jalan Tengku Kelana,  
41000 Klang, Selangor

#### MURC Melaka

No 3-1, Jalan Komersial Takh 3, Taman Takh  
Ayer Keroh, 75450 Melaka

#### MURC Kuching

No.191, Lot 1508, Ground & 1st Floor, Wisma Tek  
93350 Kuching, Sarawak

#### MURC Kota Bharu

259 Tingkat 2 Jalan Kebun Sultan, Seksyen 8  
15300 Kota Bharu, Kelantan