TECHNICAL UNIVERSITY OF MOMBASA
ISO 9001:2015 Certified

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PROGRAMME BROCHURE · UNDERGRADUATE

Bachelor of Technology in Civil Engineering

8 Semester(s) · Part Time · School of Engineering and Technology

Qualification level	Undergraduate
Duration	8 Semester(s)
Mode of study	Part Time
Awarded by	Technical University of Mombasa
Sponsorship	Government-Sponsored
School / institute	School of Engineering and Technology
Department	Building and Civil Engineering
Programme code	BTCE

Overview

The Bachelor of Technology in Civil Engineering prepares engineers who can plan, design, build and look after the structures and infrastructure a growing coastal region depends on: roads and bridges, buildings, water and drainage systems, ports and harbours. The programme is practice-led. Students learn the engineering sciences and then apply them in design studios, laboratories, surveying fieldwork and an industrial attachment.

It is built for people who want a strongly applied route into the profession, including diploma and higher diploma holders in building and civil engineering who wish to progress to a degree.

Entry requirements

KCSE C+ (plus) with at least C+ in English, Mathematics, Physics and Chemistry
OR
Kenya Advanced Certificate of Education (KACE) of at least two principal passes in Mathematics and Physics and a subsidiary pass
OR
KNEC-TEP/TUM Diploma
OR
Higher Diploma in one of the following relevant areas: Building and Civil Engineering.

What you will learn

By the end of the programme a graduate will be able to:

- Apply mathematics, mechanics and engineering science to analyse and solve civil engineering problems.
- Design structural elements and systems in concrete, steel, timber and masonry to the relevant codes.
- Plan and design highways, drainage, water supply and sanitation works.
- Carry out land surveys and site investigations, and interpret soil and materials tests.
- Estimate quantities and costs, and plan and manage construction projects safely.
- Use industry software for drawing, modelling and analysis.

- Work responsibly as a professional: ethics, safety, environmental care and teamwork.

Career prospects

Graduates work in consulting engineering firms, construction companies, county and national government, road, water and port authorities, and development agencies. Typical roles include:

- Site, resident and project engineer
- Structural or highway design engineer
- Water and environmental engineer
- Construction and contracts manager
- Quantity and materials engineer
- Entrepreneur: a consultancy or contracting firm

The degree is a step towards registration as a professional engineer and towards postgraduate study.

Fees

Bachelor of Technology in Civil Engineering · amounts in KES per semester (version 1)

	Semester 1	Semester 2	Year total
Year 1	52,000	52,000	**104,000**
Year 2	52,000	52,000	**104,000**
Year 3	52,000	52,000	**104,000**
Year 4	52,000	52,000	**104,000**
Total for the programme			**416,000**

Application fee (paid once, when you apply)	**1,500**

How to apply

Apply online through the student information system at **smis.tum.ac.ke/application/register**. Have your academic certificates, national ID or passport and a passport photograph ready. For admission dates, requirements for your intake and help with your application, contact the office above.

Contact us

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