



UNIVERSITY OF  
KWAZULU-NATAL™

INYUVESI  
YAKWAZULU-NATALI

# SCHOOL OF ENGINEERING

Mechanical Engineering



we design



INSPIRING GREATNESS

Mechanical Engineering is a broad-based engineering discipline that encompasses topics such as Mechatronics, Machine Design, Material Engineering and Metallurgy, Renewable Energy, Fluid Dynamics and Aerospace. Mechanical Engineers need to acquire certain skills which allow them to understand the loading conditions any part or subsystem will encounter in its life and design a system for functionality, while considering aesthetics, manufacturability and lifespan. One of the most exclusive domains of Mechanical Engineers is the ability to analyse and design systems in motion. The University of KwaZulu-Natal Mechanical Engineering department offers a four year degree, which attends to all these engineering requirements, starting at an introductory level and advancing to a level where the students are well prepared to take on any task of a Mechanical Engineer.

## Career Opportunities

Mechanical Engineering degrees can offer careers in many engineering fields, such as process and control



engineering, automotive and aerospace design, energy conversion, automation and manufacturing to name a few. It also emphasises an ability for creative thinking, allowing engineers to move into fields such as finance, law and medicine.

## Subject Requirements

- NSC degree pass
- Mathematics and Physical Science Level 5 (65%)
- English and Life Orientation Level 4 (50%)
- 3 other subjects with at least 2 from the designated list





## Application Requirements

In order to apply for a BSc in Engineering at UKZN, prospective students must have:

- A National Senior Certificate with a Degree Endorsement
- A minimum of 33 points (excluding Life Orientation)
- A minimum of 65% for Mathematics & Physical Sciences (Mathematical Literacy is not accepted as a replacement or substitute for Mathematics)
- A minimum of 50% for English and Life Orientation

Owing to high application numbers only first choice applicants are considered.

In addition, the School offers the Engineering Access Programme, which provides an alternative access route to an Engineering qualification at UKZN.

Should you have any queries please contact one of the staff members below who will assist you:

For Teaching and Learning Enquiries only: Ms Kogie Naicker  
Tel: 033 260 3201; Email: [naickerk13@ukzn.ac.za](mailto:naickerk13@ukzn.ac.za)

### ADMISSION ENQUIRIES FOR NEW ADMISSIONS

Undergraduate:

Tel: 031 260 8038/1220/3218; Email: [engineering@ukzn.ac.za](mailto:engineering@ukzn.ac.za)

Postgraduate (MSc and PhD): Ms Aussie Luthuli

Tel: 031 260 1668; Email: [Luthulia@ukzn.ac.za](mailto:Luthulia@ukzn.ac.za)

Ms Nombuso Dlamini

Tel: 031 260 2070; Email: [Dlaminin7@ukzn.ac.za](mailto:Dlaminin7@ukzn.ac.za)