



UNIVERSITY OF  
KWAZULU-NATAL™

INYUVESI  
YAKWAZULU-NATALI

# SCHOOL OF ENGINEERING

Chemical Engineering

we optimis

we design processes



INSPIRING GREATNESS

Chemical Engineering refers to the design, construction, operation and management of industrial plants in which raw materials undergo physical and/or chemical change, e.g., oil refining, food processing, textile manufacture, mineral processing, water treatment, wastewater treatment and power generation. The raw materials are converted into products of high economic worth. Chemical engineers model the many common features of these processes mathematically, leading to alternative designs, optimal computer control and improved economics.

## Career Opportunities

Traditional employers such as the mineral, chemical, plastic, fuel, pulp, sugar, fertilizer, cement, soap and water industries are being joined by manufacturers of fine chemicals, pharmaceuticals, food and beverages, the consulting and banking sector and the biochemical industry.

## Subject Requirements

- NSC degree pass
- Mathematics and Physical Science Level 6 (70%)
- English and Life Orientation Level 4 (50%)
- 3 other subjects with at least 2 from the designated list

## Application Requirements

Engineering must be your first or second choice in your application. An alternative access route called the Engineering Access Programme is available. Please enquire about this.

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

For Teaching and Learning Enquiries only: Venishree Pillay  
Tel: 031 260 3349; Email: pillayve@ukzn.ac.za

### ADMISSION ENQUIRIES FOR NEW ADMISSIONS

Undergraduate:

Tel: 031 260 8038/1220/3218; Email: engineering@ukzn.ac.za

Postgraduate (MSc and PhD): Ms Aussie Luthuli

Tel: 031 260 1668; Email: Luthulia@ukzn.ac.za

Ms Nombuso Dlamini

Tel: 031 260 2070; Email: Dlamini7@ukzn.ac.za