

BACHELOR OF ENGINEERING TECHNOLOGY HONOURS IN CHEMICAL ENGINEERING



Bachelor of Engineering Technology Honours in Chemical Engineering

NQF Level: 8

SAQA ID: 115521

SAQA Credits: 144

Qualification Code: BEHCE1

Location: Steve Biko Campus (S4 Level 1)

Description of the Programme

This qualification is primarily oriented to meet the needs of practicing Engineers ready for the industry. The knowledge emphasises general principles and application of technology transfer. The qualification provides students with a sound additional knowledge base in the discipline of chemical engineering and the ability to apply their knowledge and skills to particular career or professional contexts, while equipping them to undertake more specialised and intensive learning. This learning programme has a strong professional and career focus and holders of this qualification are normally prepared to enter a specific niche in the chemical and allied industries. Specifically, the purpose of the learning programme is to strengthen the necessary knowledge, understanding, abilities and skills required for further learning towards becoming a competent engineering practitioner in the discipline of chemical engineering. This qualification provides:

1. Development on acquired knowledge towards careers in engineering itself and areas that potentially benefit from engineering skills, for achieving technological proficiency and to contribute to the economy and national development.
2. The additional educational base contributing towards the registration as a Professional Engineer with the Engineering Council of South Africa (ECSA).
3. Entry to NQF level 9 Masters Programmes and the ability to then proceed to Doctoral Programmes.

Minimum Admission Requirements

The number of students enrolled each year will be determined by the University and the Departmental enrolment policies. In addition to the minimum University admission requirements, the following criteria must be met by students wishing to study this programme:

- The minimum entry requirement is the Bachelor of Engineering Technology in Chemical Engineering or Advance Diploma in Chemical Engineering from South Africa Universities.
- Applicants who did not complete the Bachelor of Engineering Technology in Chemical Engineering at this University may apply for Conferment of Status as stated in Rule G10A. (Note: These applicants may need to complete additional undergraduate courses to gain admission.)

Tuition Fees

To assist you with your planning, refer on the current year fees booklet on the website. An increase for next year to accommodate the inflation rate can be expected.

Year Curriculum

Name of Module	Module Code	HEQSF Level	SAQA Credits
Semester One			
Reaction Engineering	RENG101	8	12
Separation Technology	STEC101	8	12
Petroleum Refinery Technology	PERT101	8	8
Process and Project Management	PPMN101	8	8
Chemical Engineering Process Design 4A	CEPD101	8	16
Chemical Engineering Project 4A	CEPR401	8	16
TOTAL			72
Semester Two			
Bioprocess Engineering	BIOP101	8	8
Green Engineering	GREN101	8	8
Process Control 4	PRCO401	8	12
Process Optimization and Computational Analysis	POCA101	8	12
Chemical Engineering Process Design 4B	CEPD402	8	16
Chemical Engineering Project 4B	CEPR402	8	16
TOTAL			72

Application

Applicants who wish to enrol for the programme must apply through the Department representative of the previous year.

For Further Information

Contact the Department of Chemical Engineering
 Steve Biko Campus (S4 Level 1)
 Durban University of Technology
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Financial Support

For Financial support application for a DUT programme please apply online at NRF Honours Scholarship, send email: GrantsAssistant4@dut.ac.za