Start your future career in Chemical Engineering

Diploma in Chemical Engineering

Ever wondered how petroleum or minerals are produced? As a Chemical Engineering graduate you will know the answer.

You will be trained to convert raw materials into high value products using processing and design principles. For example, producing liquid fuels from crude oil and manufacturing chemicals, explosives, fertilisers and plastics to mention just a few.

WHAT YOU NEED

Minimum Admission Requirements

Matric Certificate (Pre 2009)
- Mathematics HG (E); SG (D)
- Physical Science HG (E); SG (D)
- English HG (E); SG (D)

National Senior Certificate
- Mathematics (4)
- Physical Science (4)
- English (4)

FET N4
- Mathematics (60%)
- Physical Science (60%)
- English (60%)

The department utilises an Admission Point Score (APS) as selection criteria once your minimum admission requirements are satisfied. You also have to score a minimum of 30 on the APS.

YOUR SUBjECTS

FIRST YEAR
- Engineering Mathematics 1
- Engineering Chemistry
- Engineering Physics
- Engineering Communication
- Engineering Computer Applications 1
- Chemical Engineering Technology 1
- Chemical Process Technology

SECOND YEAR
- Complimentary B Subject: Engineer in Society
- Transfer Processes
- Chemical Engineering Thermodynamics
- Process Fluid Flow
- Chemical Engineering Technology 2
- Chemical Engineering Laboratory 1
- Process Design Principles 1
- Particle Technology
- Management & Entrepreneurial Skills
- Chemical Engineering Laboratory 2

THIRD YEAR
- Process Control & Instrumentations 1
- Bioprocess & Environmental Engineering
- Introduction to Chemical Reaction Engineering
- Separations Processes 1 – Unit Operations
- Engineering Mathematics 2
- Investigative Projects
- Engineering Computer Applications 2
- Process Design Principles 2
- Chemical Engineering Projects

YOUR FUTURE SELF

Future studies
BTech: Chemical Engineering
MEng: Chemical Engineering
DEng: Chemical Engineering

Future industries
Petroleum Refineries
Mining
Processing Plants
Chemical Manufacturing
Research organisations

Future career
Chemical Engineering Technologist
Process Engineer
Chemical Process Consultant
Researcher

CONTACT
- +27 (0)21 959 6083
- info@cput.ac.za
- www.cput.ac.za
- +27 (0)21 959 6767
- @wearecput
- @cput
- www.facebook.com/cput.ac.za

CREATING FUTURES IN ENGINEERING

Creating futures in engineering

31 AUGUST 2019

CLOSING DATES
31 AUGUST South African citizens
30 SEPTEMBER Refugees

HOW TO APPLY

ONLINE APPLICATIONS
Do you qualify to apply online?

Please note: a non-refundable application fee will be applicable.

Manual applications are only available to the following persons:
- Applicants applying for RPL (Recognition of Prior Learning)
- Non-South African citizens
- South African citizens with international qualifications
- Refugees
- South African citizens with disabilities
- South African citizens whose qualifications are not accredited in South Africa
- Refugee asylee or refugee with temporary permit
- Formal recognition of refugees issued in the RSA

Online applications will only be accepted by submitting completed application forms through our online application tracking system by visiting www.cput.ac.za/study/track

Further information on how to apply online is provided in the printed application guide and on the website.

OFFLINE APPLICATIONS
Do you qualify to apply manually?

The following categories apply to the following persons:
- International students
- South African citizens with South African qualifications
- Returning students with a period of study or work exceeding one year
- Applicants applying for RPL (Recognition of Prior Learning)

Manual applications are only available to the following persons:
- Applicants applying for RPL (Recognition of Prior Learning)
- Non-South African citizens
- South African citizens with international qualifications
- Refugees
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FACULTY

2019