2019

Start your future career in **Electrical Engineering**

National Diploma in Engineering (Electrical)

CONTACT

Engineering | FACULTY

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Cape Peninsula
University of Technology

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Are you fascinated by how things work?

As an electrical engineer you will be the driving force behind the technological age.

You will apply proven techniques and procedures to the solution of practical engineering problems and carry a range of technical responsibilities.

YOU WILL LIKE THIS IF	You like a challenge, enjoy electronics, and have good mathematical skills.
YOU WILL STUDY AT	Bellville Campus
YOU WILL STUDY FOR	**ND Engineering: Electrical** Three years, full-time **ND Engineering: Electrical (ECP)** The four years, full-time

YOUR SUBJECTS

FIRST YEAR

- Communication Skills 1
- Computer Skills 1
- Digital Systems 1
- Electrical Engineering 1
- Electronics 1
- Mathematics 1
- Projects 1
- Digital Systems 2
- Electrical Engineering 2
- Electronics 2
- Mathematics 2
- ** Programming 1

SECOND YEAR

Choose from the following streams. See subjects on our website.

- Control Systems
- Electronic communication

- Industrial Electronics
- Power Electronics
- Power Systems

THIRD YEAR

- Electrical Engineering Practice 1
- Electrical Engineering Practice 2

Your on-the-job training

You must obtain 10 full academic credits to access the experiential learning programme. Limited placement opportunities are available via our Work Integrate Learning coordinators but it remains your responsibility to your own employment.

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YOUR FUTURE SELF

Future **studies**

BTech: Engineering (Electrical)
MTech: Engineering (Electrical)
*MEng: Engineering (Electrical)
DTech: Engineering (Electrical)
**DEng: Engineering (Electrical)

*MEng is optional for current students and compulsory for first time registrations as of 2016.
**DEng is optional for current students and compulsory for first time registrations as of 2016.

Future **industries**

Manufacturing, Commissioning and Maintenance,
Design and development, Consulting
Sales, Self-employment

Future **career prospects**

MTN, Eskom, Tellumat, Caltex
Siemens, Vodacom, Telkom
Transtel, Grand West Casino
SKA, Satellite industry, South African weather service, South African observatory, Air traffic and navigation services, Spoornet

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WHAT YOU NEED

Minimum Admission Requirements

National Senior Certificate (NSC/ Grade 12)

- English (4)
- Mathematics (4)
- Physical Science (4)

Recommended, one of the following:

- Computer Applications Technology (4)
- Information Technology (4)
- Electrical Technology (4)

Matric Certificate (Pre-2009)/ National Senior Certificate (Grade 12) with:

- Mathematics, N4 (60%)
- Electrical Systems, N4 (60%)
- Electrotechnics, N4 (60%)
- Digital Electronics, N4 (60%)

National Senior Certificate Vocational (NCV)

- English (60 – 69%) (5)
- Mathematics (60 – 69%) (5)

At least three of the following:

- Physical Science (60%) (3)
- Electrical Principles & Practice (60%) (3)
- Electronic Control & Digital Electronics (60%) (3)
- Electronic Workmanship (60%) (3)

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.

DISCLAIMER

Meeting the minimum requirements does not guarantee admission. This information is subject to change based on approval and accreditation of HEQSF aligned qualifications during 2018/ 2019.
Admission requirements may therefore differ between the existing qualification and the HEQSF aligned qualification. Please consult the CPUT website or faculty for updated information. Every effort has been made to ensure the accuracy of the information in this pamphlet; however the University reserves the right at any time, if circumstances require to make changes to any of the published details.

HOW TO APPLY

MANUAL APPLICATIONS

Do you qualify to apply manually?

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
- Applicants with permanent residence in South Africa
- Refugee asylum seeker temporary permit/ formal recognition of refugee status in the RSA

1. Choose a qualification
2. Complete an application form
3. Gather your documents (i.e. certified copies less than three months old)
4. Fill in the application form
5. Pay the application fee
6. Hand deliver or post your form and certified copies of documents to our District Six, Bellville, Mowbray, or Wellington Campuses (Admin buildings)
7. Follow-up and get your admission status via the online application tracking system by visiting www.cput.ac.za/study/track

ONLINE APPLICATIONS

Do you qualify to apply online?

ONLINE APPLICATIONS ARE FREE

The following persons may only apply online,
i.e. no manual applications will be allowed:

- South African citizens with South African qualifications
- Returning students with a break in studies (more than 1-year break)

1. Choose your qualification by consulting this brochure or the website
2. Gather your documents (i.e. certified copies less than three months old)
3. Download the online application guide available on our website for information on how to apply online
4. Complete your application online by visiting www.cput.ac.za/study/apply
5. Follow-up and get your admission status via the online application tracking system by visiting www.cput.ac.za/study/track

CLOSING DATES

31 AUGUST
International applicants

30 SEPTEMBER
South African citizens

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