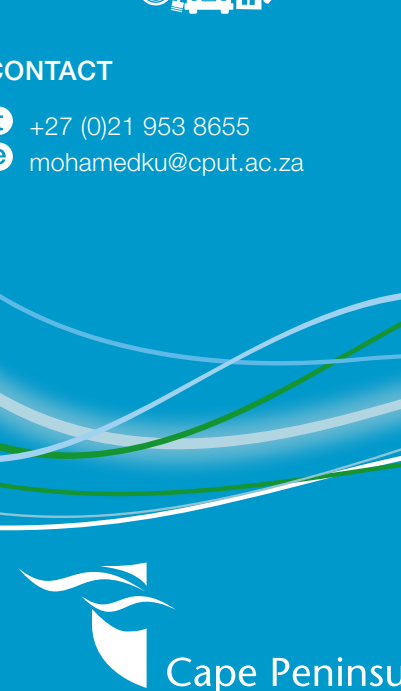


2019

Engineering | FACULTY

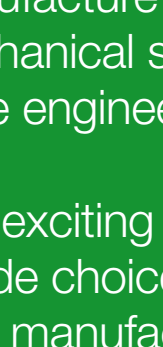
Start your future career in Mechanical Engineering

Diploma in Mechanical Engineering



CONTACT

+27 (0)21 953 8655
mohamedku@cput.ac.za



Cape Peninsula University of Technology
creating futures

Have you always been fascinated by how things work? Have you always found better ways to make things work? Then this course is for you.

With a National Diploma in Mechanical Engineering, you will use techniques to conceptualise, design, analyse, manufacture and maintain mechanical systems as well as solve engineering problems.

This exciting career offers you a wide choice of career paths, from manufacturing racecars to building satellites.

YOU WILL LIKE THIS IF	You are interested in the mechanics of how machinery works.
YOU WILL STUDY AT	Bellville Campus
YOU WILL STUDY FOR	Three years, full-time

YOUR SUBJECTS

FIRST YEAR

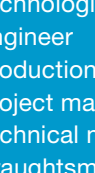
- Engineering Mathematics
- Engineering Mechanics
- Engineering Drawing
- Mechanical Engineering Manufacturing
- Physical Science
- Professional Communication
- Computer Skills & Applications

SECOND YEAR

- Thermodynamics
- Fluid Mechanics
- Mechanics of Machines
- Strength of Materials
- Electrotechnology
- Computer Aided Design (CAD)
- Applied Mathematics
- Mechanical Engineering Design 2
- Steam Plant

THIRD YEAR

- Mechanical Engineering Design 3
- Hydraulics Machines
- Applied Strength of Materials
- Global Environmental Studies (GES)
- Production Engineering
- Maintenance Engineering
- Advanced Mechanical Engineering
- Manufacturing Control Systems Engineering
- Electrotechnology 3
- Mechanical Engineering Project



Your on-the-job training

You will complete compulsory service learning projects during your first and third year, whilst gaining work experience in industry. Work experience can be gained in various areas of industry such as air-conditioning installation and repairs, maintenance and service of various plant machinery, motor vehicles, buildings, etc.



YOUR FUTURE SELF

Future studies

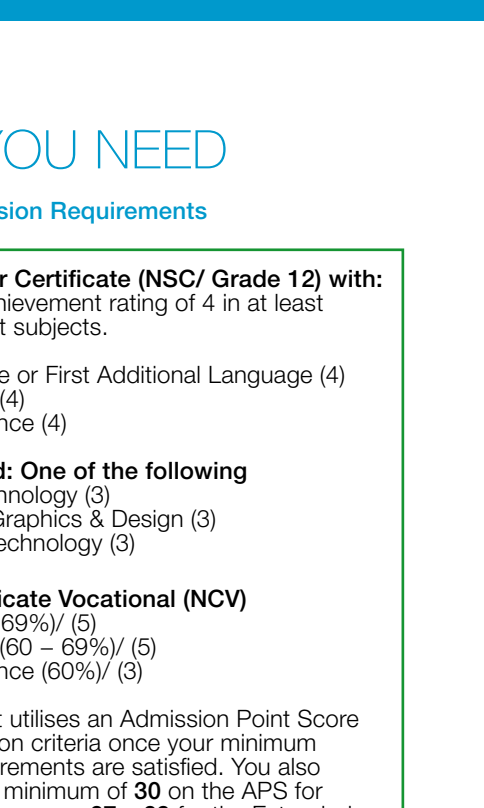
BTech: Mechanical Engineering
MTech: Mechanical Engineering
DTech: Mechanical Engineering

Future industries

Aviation industry, Research and Development, Manufacturing industry, Academic institutions, ACSA, SAA, Denel, Mintek, Council for Scientific and Industrial Research (CSIR), De Beers, Billiton, BMW, Ford, Volkswagen, Daimler-Chrysler, Toyota Sasol, PetroSA, Chevron, Coca Cola, Iscor ArcelorMittal Steel, Eskom

Future career

- Technician
- Technologist
- Engineer
- Production manager
- Project manager
- Technical manager
- Draughtsman
- Offshore driller



creating futures in engineering

WHAT YOU NEED

Minimum Admission Requirements

National Senior Certificate (NSC/ Grade 12) with:
*A minimum achievement rating of 4 in at least 4 NSC 20-credit subjects.

- English, Home or First Additional Language (4)
- Mathematics (4)
- Physical Science (4)

Recommended: One of the following

- Electrical Technology (3)
- Engineering Graphics & Design (3)
- Mechanical Technology (3)

National Certificate Vocational (NCV)

- English (60 – 69%)/ (5)
- Mathematics (60 – 69%)/ (5)
- Physical Science (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 for the mainstream course, **27 – 29** for the Extended Curriculum Programme (ECP), **23 – 26** should you be wait-listed.

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