

2019

Engineering | FACULTY

Engineering

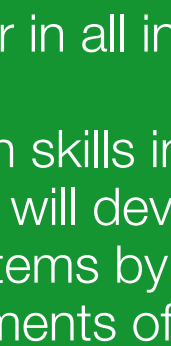
Start your future career in Mechatronics

Diploma in Mechanical Engineering (Mechatronics)



CONTACT

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Cape Peninsula University of Technology

creating futures

Do you want to improve the world?

From designing robotic assembly lines for the car industry to machines that bottle and label cool drinks, individuals with skills in mechatronics are sought after in all industries.

With skills in mechatronics you will develop new systems by combining elements of electrical engineering, computer science and mechanical engineering.

YOU WILL LIKE THIS IF You are interested in all areas of engineering and enjoy problem solving.

YOU WILL STUDY AT Bellville Campus

YOU WILL STUDY FOR Three years, full-time

WHAT YOU NEED

Minimum Admission Requirements

National Senior Certificate (Grade 12) with:

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

Recommended:

- Information Technology (4)
- Mechanical Technology (4)
- Electrical Technology (4)

Or FET at N4 level:

- English (60%); Mathematics (60%); Engineering Science (60%)

Recommended:

- Information Technology (60%); Mechanical Technology (60%); Electrical Technology (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 **25** on the APS.

New qualifications are being introduced at CPUT to align with the new Higher Education qualification sub-Framework (HEQSF) as Gazetted by the South African Department of Education on 2 August 2013. To view all our new qualifications in the Faculty of Engineering, scan this code.

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.



YOUR FUTURE SELF

Future studies

- Advanced Diploma in Mechanical Engineering (Mechatronics)
- Bachelor of Engineering Technology: Honours (Mechatronics)
- Master of Engineering in Mechanical Engineering

Future industries

- Fast Moving Consumer Goods (FMCG)
- Printing
- Packaging
- Food Processing
- Manufacturing
- Automation
- Automotive Industries
- Mining Companies
- Automotive Plants
- Engineering and Production Companies
- Renewable Energy

Future career

- Building Service Contractor
- Consulting Engineer
- Robotic Builder
- Machine Designer
- Machine Builder
- Project Manager

creating futures in engineering

YOUR SUBJECTS

FIRST YEAR

- Engineering Mathematics
- Engineering Mechanics
- Computer Engineering
- Electrical and Electronics Engineering
- Engineering Drawing
- Professional Communication
- Physical Science
- Mechanical Engineering Manufacturing

SECOND YEAR

- Applied Mathematics
- Industrial Automation
- Control Systems
- Mechanical Engineering Design
- Thermo-Fluids 2
- Strength of Materials
- Mechanics of Machines
- Embedded Systems

THIRD YEAR

- Computer Aided Manufacturing
- Applied Strength of Materials
- Thermo-Fluids 3
- Mechatronics Design
- Process Control and Industrial Networking
- Global Environmental Studies
- Engineering Management
- Mechatronics Industrial Project



Your on-the-job training

You will complete compulsory service learning projects while you work during your third year.

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

- Choose a qualification
- Complete an application form
- Gather your documents (i.e. certified copies less than three months old)
- Fill in the application form
- Pay the application fee
- Hand deliver or post your form and certified copies of documents to our District Six, Bellville, Mowbray, or Wellington Campuses (Admin buildings)
- 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?

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)

- Choose your qualification by consulting this brochure or the website
- Gather your documents (i.e. certified copies less than three months old)
- Download the online application guide available on our website for information on how to apply online
- Complete your application online by visiting www.cput.ac.za/study/apply
- 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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- www.facebook.com/cput.ac.za



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