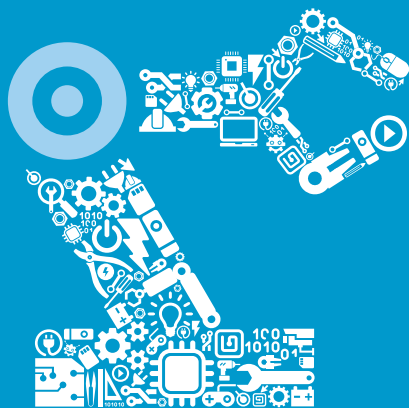


# Start your future career in Mechatronics

Diploma in Mechanical Engineering (Mechatronics)



## CONTACT

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Cape Peninsula  
University of Technology  
creating futures

#weare  
**CPUT**  
creating futures

## 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  
Assembly  
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

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

## 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.

## 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.

## 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](http://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](http://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](http://www.cput.ac.za/study/track)

### CLOSING DATES

**31 AUGUST**  
International applicants

**30 SEPTEMBER**  
South African citizens