

2019

# Start your future career in **Surveying & Geographical Information Science (GISc)**

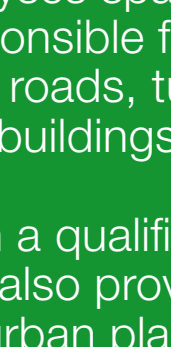
## Diploma in Geomatics



### CONTACT

- +27 (0)21 953 8729
- engineering@cput.ac.za

Engineering | FACULTY



Cape Peninsula University of Technology

creating futures

## Do you enjoy collecting and analysing information?

A career in Geomatics will allow you to specialise in the field of Surveying or Geographical Information Science (GISc).

A surveyor collects and analyses spatial data and is responsible for setting out of new roads, tunnels and high-rise buildings.

With a qualification in GISc you also provide information for urban planning, natural resource management, health and emergency services.

**YOU WILL LIKE THIS IF** You enjoy geography, science, collecting information and working outdoors.

**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, First Additional Language (4)
- Mathematics (4)
- Physical Science (4)

**National Certificate (Vocational) with:**

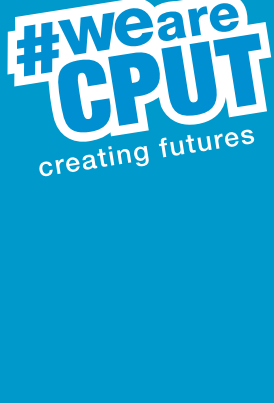
- English, First Additional Language (5)
- Mathematics (5)
- Physical Science (5)

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.



## YOUR FUTURE SELF

### Future studies

- BTech: Surveying
- BTech: Cartography

### Future industries

- Local authorities
- State departments
- Engineering industry
- Private organisations

### Future career

- GISc practitioner
- Surveyor
- Analyst



### REGISTRATION

This qualification is accredited by the South African Geomatics Council and graduates will be able to register as technicians with the Council.

## creating futures in geomatics

## YOUR SUBJECTS

### FIRST YEAR

- Computer skills
- Surveying
- Drawing
- Communication skills
- Mathematics
- Geography
- Geography
- Physics
- Computer aided drafting
- Mathematics

### SECOND YEAR

- Mathematics
- Statistics
- Photogrammetry
- Geographic information systems
- Civil engineering
- Map projections
- Spatial data acquisition
- Database theory
- Survey software
- Control surveying (survey stream)
- Cartography (GISc stream)

### THIRD YEAR

- Land Law
- Management

### Survey stream

- Adjustment of errors
- Cadastral surveying
- Surveying
- Surveying industrial project

### GISc stream

- Data quality management
- Remote sensing
- Spatial analysis
- GISc industrial project



## Your on-the-job training

You are required to **complete six months (a semester) of training** in industry.

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

### CLOSING DATES

**31 AUGUST**  
International applicants

**30 SEPTEMBER**  
South African citizens