

2019

# Start your future career in Mathematical Sciences

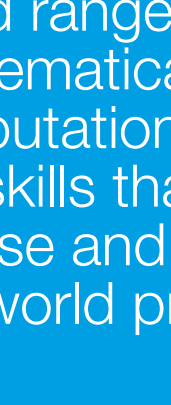
## Diploma in Mathematical Sciences 2



### CONTACT

- +27 (0)21 959 6094
- hansbyc@cput.ac.za

FACULTY Applied Sciences



Cape Peninsula University of Technology

creating futures

## Do you enjoy problem-solving?

Put your natural talent for numbers and problem-solving to good use by opting for the qualification in Mathematical Sciences.

You will be sought-after as a specialist, for your broad range of advanced mathematical statistical and computational knowledge and skills that are used to analyse and solve real-world problems.

**YOU WILL LIKE THIS IF** You enjoy mathematics and have strong analytical and problem-solving skills.

**YOU WILL STUDY AT** Bellville Campus

**YOU WILL STUDY FOR** Three years, mainstream  
Four years, Extended Curriculum Programme

## YOUR SUBJECTS

- FIRST YEAR**
- Mathematics 1
  - Statistics 1
  - Numerical Methods 1
  - Data Management
  - Marketing/ Physics
  - Economics 1/ Biosciences 1
  - Computer Skills
  - Communication Skills
  - Statistical Quality Control 3
  - Financial Mathematics 3/ Biomathematics 3
  - Econometrics 3/ Biostatistics 3
  - Operations Research 3
  - Introduction to Projects
  - Mathematical Science Projects 3
- SECOND YEAR**
- Mathematics 2
  - Statistics 2
  - Numerical Methods 2
  - Programming 2
  - Economics 2/ Chemistry 1
  - Finance 2/ Biomathematics 2

**\*Note:** You will choose between two streams (Business and Applied Science), which determines the elective subjects you will take.

### THIRD YEAR

- Mathematics 3



## Your on-the-job training

During your third year you will be working on a collaborative project sourced from industry as part of the course Mathematical Science Projects 3. This includes frequent excursions to Industry and Business to obtain data, discuss problems and present project reports.



## YOUR FUTURE SELF

### Future studies

Advanced Diploma in Mathematical Sciences (2019)

### Future industries

- Financial services
- Banking industry
- Government agencies
- Retail industry
- Education
- Research organisations

### Future career

- Data analyst
- Operations research analyst
- Supply chain analyst
- Research assistant
- Statistician
- Teacher

## WHAT YOU NEED

### Minimum Admission Requirements

#### National Senior Certificate (Grade 12) with:

- English (4)
- Mathematics (4)

#### Any one of the following subjects:

- Physical Science (4)
- Business Studies (4)
- Economics (4)
- Accounting (4)
- Geography (4)

#### One other subject on level (4). Any other three subjects on Level (3)

The department uses an Admission Point Score (APS) as selection criteria once your minimum admission requirements are satisfied. The following scores apply:

- Mainstream: **33**
- Extended Curriculum Programme: **28**

### 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

- 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 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)

**ONLINE APPLICATIONS ARE FREE**

- 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

- +27 (0)21 959 6767
- info@cput.ac.za
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- @wearecput
- www.facebook.com/cput.ac.za

