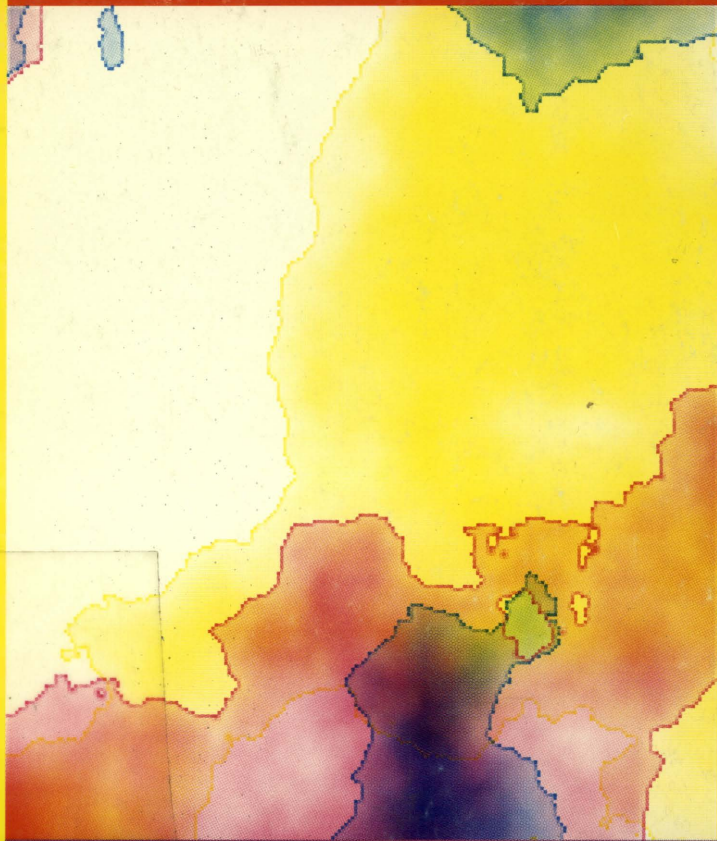


*Architecture & Building Sciences  
Argitektuur en Bouwetenskappe*

*Study Opportunities  
at Universities  
& Technikons*



*Studiegeleentheid  
aan Universiteite  
en Technikons*

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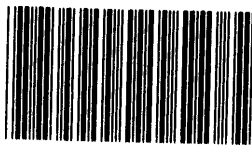
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Research Finding  
Navorsingsbevinding

MN-160

**STUDY OPPORTUNITIES AT  
UNIVERSITIES AND TECHNIKONS:  
*ARCHITECTURE AND BUILDING SCIENCES***

**STUDIEGELEENTHEDE AAN  
UNIVERSITEITE EN TECHNIKONS:  
*ARGITEKTUUR EN BOUWETENSKAPPE***

**1995**

*J. Roodt*

*M.W. Craemer*

*A.E. Verster*



Human Sciences Research Council  
Raad vir Geesteswetenskaplike Navorsing

• 1994, Human Sciences Research Council

• Raad vir Geesteswetenskaplike Navorsing, 1994

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# CONTENTS/INHOUDSOPGAWE

HOW TO USE THIS GUIDE/ HOE OM HIERDIE GIDS TE GEBRUIK .....	iv
--	----

## STUDY OPPORTUNITIES AT UNIVERSITIES AND TECHNIKONS

Index of fields of study for which the study opportunities are available .....	1
Study opportunities at universities .....	2
Study opportunities at technikons .....	6
Index of occupations .....	14

## STUDIEGELEENTHEDE AAN UNIVERSITEITE EN TECHNIKONS

Indeks van studierigtings waarvoor studiegeleentheid beskikbaar is .....	15
Studiegeleentheid aan universiteite .....	16
Studiegeleentheid aan technikons .....	20
Indeks van beroepe .....	28

## APPENDIX/BYLAE:

Addresses of institutions mentioned in this guide/ Adresse van instellings genoem in hierdie gids	
Universities/Universiteite .....	29
Technikons .....	31

## HOW TO USE THIS GUIDE

- The following suggestion will help you find information on the study opportunities:

- ☞ Use the Index of fields of study or the Index of occupations to trace the appropriate degree, diploma or certificate.

- Apply for enrolment in good time. The application form has to be obtained, completed and submitted before a closing date. Enrolment dates are determined annually.

- Course fees are subject to change.

- In this guide

**correspondence** means that the degree, diploma or certificate can be obtained by means of correspondence. If the word correspondence does not appear in the entry, it means that classes have to be attended.

**Afrikaans medium or English medium** means the language in which the course is presented.

## HOE OM DIE GIDS TE GEBRUIK

- Om die naslaan van die inskrywings te vergemaklik, word die volgende wenk gegee:

- ☞ Gebruik die Studierigtingindeks of die Indeks van beroepe om die toepaslike graad, diploma of sertifikaat op te soek.

- Doen betyds aansoek om toelating. Gewoonlik moet 'n aansoekvorm aangevra, ingevul en ingestuur word voor 'n sluitingsdatum. Sluitingsdatums wissel jaarliks.

- Kursusgelde is onderhewig aan verandering.

- In hierdie gids beteken

**korrespondensie** dat die graad, diploma of sertifikaat deur middel van korrespondensie behaal kan word. Indien die woord korrespondensie nie by die inskrywing voorkom nie, word die kursus deur middel van klasbywoning aangebied.

**Afrikaans- of Engelsmedium** die taalmedium waarin die kursusse aangebied word.

**occupations** means the possible occupations that can be followed by persons who have obtained the qualification. Only a few occupations are mentioned but in certain cases more occupations can usually be followed. (Occupations with the same work content are also known under different names to various employers.)

**admission qualification** means the minimum educational qualifications that is needed to enrol for a degree, diploma or certificate. Equivalent qualifications e.g. N3, may also be accepted and institutions sometimes permit candidates to enrol without the prescribed qualifications. An approved African language or German may, under certain circumstances, replace one of the official languages. Write to the institutions for more information.

Although the information in this publication has been compiled carefully, changes may have been made in the meantime. Applicants, when applying, should therefore make sure that the course is still available.

The institutions also offer continuing education programmes or short courses. Students are advised to make enquiries at the institution concerned.

Particular appreciation is expressed to the institutions which made information available and co-operated in updating the information.

**beroepe** die moontlike beroepe wat met die kwalifikasie beoefen kan word. Enkele beroepsname word genoem, maar in sommige gevalle kan veel meer beroepe beoefen word. (Beroepe met dieselfde werkinhoud is ook onder verskillende name by die werkgewers bekend.)

**toetreekwalifikasie** die minimum opvoedkundige kwalifikasie wat vereis word om vir die graad, diploma of sertifikaat in te skryf. Gelykwaardige kwalifikasies byvoorbeeld N3, word ook aanvaar en soms laat die instellings persone toe om sonder die voorgeskrewe kwalifikasie in te skryf. 'n Goedgekeurde Afrikaans of Duits mag, op sekere voorwaardes, een van die amptelike tale vervang. Skryf aan die instellings vir verdere besonderhede.

Alhoewel die inligting in hierdie gids met sorg saamgestel is, kon veranderinge intussen plaasgevind het. Aansoekers moet dus tydens aansoek seker maak dat die kursus wel aangebied word.

Die instellings bied ook bykomend voortgesette opleidingsprogramme of kort kursusse aan. Doen navraag by die betrokke instellings.

Hartlike dank aan die instellings wat inligting beskikbaar gestel het en meegewerk het met die opdatering van die inligting.



**STUDY OPPORTUNITIES  
AT UNIVERSITIES AND TECHNIKONS**



# **INDEX OF FIELDS OF STUDY FOR WHICH STUDY OPPORTUNITIES ARE AVAILABLE**

*PAGE*

## **UNIVERSITIES**

<b>ARCHITECTURE</b>	<b>2</b>
<b>BUILDING SCIENCE</b>	<b>3</b>
<b>LAND SURVEYING</b>	<b>4</b>
<b>QUANTITY SURVEYING</b>	<b>4</b>
<b>TOWN AND REGIONAL PLANNING</b>	<b>5</b>

## **TECHNIKONS**

<b>ARCHITECTURAL TECHNOLOGY</b>	<b>6</b>
<b>BUILDING</b>	<b>8</b>
<b>SURVEYING</b>	<b>11</b>
<b>TOWN AND REGIONAL PLANNING</b>	<b>12</b>

<b>NON-DIRECTED PROGRAMMES</b>	<b>10</b>
<b>BRIDGING COURSES</b>	<b>7</b>





**STUDY OPPORTUNITIES  
AT UNIVERSITIES**

## ARCHITECTURE

**Occupation(s):** Architect (only with the necessary experience and at least 4 + years of study); Architectural assistant (3 years of study)

**Venue:** University of the Orange Free State

Afrikaans medium

**B.Arch. Stud.**

**Duration:** 4 years: (Vacation work is required)

**Entry qualification:** Senior Certificate with university admission (D symbol average)

**Subjects required:** Mathematics HG (pass) or SG (D symbol) and another science subject, preferably Physical Science HG or SG

**Selection:** Portfolio of creative work and tests to determine potential

**Venue:** University of Natal (Durban)

English medium

**B.Arch.**

**Duration:** 4 years

**Entry qualification:** Senior Certificate with university admission

**Selection:** Academic achievement and portfolio of creative work

**Fees:** 1993: R8130 p.a.. An approximate increase of 10% for 1994

**Venue:** University of Port Elizabeth

Afrikaans or English medium

**B.Building Arts**

**Duration:** 3 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics SG

**Selection:** A special admission examination may be required

**Note:** B.Building Arts is a prerequisite for admission to B.Architecture

**Fees:** First year: R5825; second year: R5490; third year: R5040

**Venue:** University of the Witwatersrand  
English medium

**Bachelor of Architectural Studies**

**Duration:** 4 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** A pass in Mathematics HG or SG 60%. A pass in English First or Second Language HG or in the University's English Language Proficiency test

**Selection:** Academic achievement

**Note:** BAS graduates may work in an architect's office, but to practice on their own, they have to complete the PDip(Arch.)

**Fees:** Approximately R6300 p.a.

**Venue:** University of Pretoria

Afrikaans medium

**B.Arch.**

**Duration:** 5 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics and Physical Science HG 50%

**Selection:** Academic achievement

**Fees:** R5765 p.a.

**Venue:** University of Cape Town

English medium

**Bachelor of Architectural Studies**

**Duration:** 3 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics or a science subject HG pass or SG 50%

**Additional requirements:** English language proficiency and evidence of special talents in designing

**Selection:** Portfolio of creative work, academic achievement and motivation of candidate

**Note:** The BAS degree provides the necessary grounding for entry into a professional architectural course or into postgraduate programmes in city and regional planning, urban design or landscape architecture

**Fees:** R8050 p.a.

**Venue:** University of Port Elizabeth  
Afrikaans or English medium  
**B.Arch.**

**Duration:** 2 years full-time (only after passing the third year of the B.Building Arts degree)

**Entry qualification:** Senior Certificate with university admission as well as the B.Building Arts degree

**Subjects required:** Mathematics SG, Theory of Architecture III and Design III

**Selection:** A special admission examination may be required

**Note:** The B.Building Arts degree is a prerequisite for admission to B.Architecture

**Fees:** First year: R5415; second year: R5600

## **BUILDING SCIENCE**

**Occupation(s):** Building manager; Construction manager

**Venue:** University of the Witwatersrand  
English medium

**B.Sc. (Building)**

**Duration:** 4 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG pass or SG 60% and one of the following subjects passed at HG or SG 60%: Biology, Geography, Physical Science or Physiology

**Selection:** Academic achievement

**Fees:** Approximately R6300 p.a.

**Venue:** University of Port Elizabeth  
Afrikaans or English medium

**B.Sc. (Construction Management)**

**Duration:** 4 or 5 years, depending on the curriculum (extensive practical work included)

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG (E symbol) or SG (D symbol)

**Selection:** A special admission examination

may be required

**Fees:** First year: R5190; second year: R4870; third year: R5405; fourth year: R4480; Fifth year: R4960

**Venue:** University of Pretoria  
Afrikaans medium

**B.Sc. (Boubestuur)**

**Duration:** 5 years

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG pass or SG 50% and Physical Science HG pass or SG 40%

**Selection:** Academic achievement

**Note:** During the third, fourth and fifth year of study the student must be employed by an approved registered employer in the building industry

**Fees:** R6480 p.a.

**Venue:** University of Natal(Durban)  
English medium

**B.Sc. Construction Management**

**Duration:** 4 years

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics and Physical Science HG 40% or SG 70%

**Selection:** Academic achievement

**Fees:** R8130 p.a. for 1993 and an increase of not less than 10% for 1994

**Venue:** University of Cape Town  
English medium

**B.Sc. (Building Management)**

**Duration:** 4 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** A pass in Mathematics HG or SG 50% and another natural science subject SG or HG

**Additional requirements:** English language proficiency

**Selection:** Academic achievement. Students are advised to submit a statement of motivation

**Fees:** R7950 p.a.

**Venue:** University of the Orange Free State

Afrikaans medium

**B.Sc.(Boubestuur)**

**Duration:** 4 years full-time (Vacation work is required)

**Entry qualification:** Senior Certificate with university admission (D symbol average)

**Subjects required:** Mathematics HG (pass) or SG 50% and a pass in one of Physical Science, Economics, Business Economics or Accounting. Physical Science SG is required for a course in Physics

**Selection:** Merit

## LAND SURVEYING

**Occupation(s):** Land surveyor

**Venue:** University of Pretoria

Afrikaans medium

**B.Landmeetkunde**

**Duration:** 4 years and 6 months

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics and Physical Science HG 50%

**Selection:** Average St. 9 examination results

**Venue:** University of Natal(Durban)

English medium

**B.Sc. (Land Surveying)**

**Duration:** 4 years (vacation work is also required)

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics and Physical Science or Chemistry or Physics HG 60%

**Selection:** Academic achievement

**Fees:** R8130 p.a. for 1993 and an increase of not less than 10% for 1994

**Venue:** University of Cape Town

English medium

**B.Sc. (Survey.)**

**Duration:** 4 years

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** D symbol in both Mathematics and Physical Science on the HG

**Additional requirements:** English language proficiency

**Selection:** Academic achievement

**Fees:** First year: R7000 and other than first year: R7650 p.a.

## QUANTITY SURVEYING

**Occupation(s):** Quantity surveyor

**Venue:** University of Cape Town

English medium

**B.Sc. (Q.S.)**

**Duration:** 4 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG 40% or SG 50% and a natural science subject

**Selection:** Matriculation results and a written motivation for choosing the degree

**Fees:** R7950 p.a.

**Venue:** University of the Witwatersrand

English medium

**B.Sc. (Q.S.)**

**Duration:** 4 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** English HG (or a pass in the University's English Proficiency test) and Mathematics HG or SG 60% and Biology or Geography or Physical Science or Physiology

**Selection:** Matriculation results

**Fees:** Approximately R6300 p.a.

**Venue:** University of Port Elizabeth

Afrikaans or English medium

**B.Sc. (Q.S.)**

**Duration:** 4 years full-time or part-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG 40%

or SG 50%

**Additional requirements:** A special admission examination may be required

**Fees:** First year: R4685; second year: R6310; third year: R6290 and fourth year: R6010

**Venue:** University of Natal(Durban)  
English medium

**B.Sc. (Q.S.)**

**Duration:** 4 years

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG 40% or SG 70%

**Subjects recommended:** Physical Science or Chemistry and Physics

**Selection:** Academic achievement

**Fees:** R8130 p.a. for 1993 and an increase of not less than 10% for 1994

**Venue:** University of Pretoria  
Afrikaans medium

**B.Sc. (Q.S.)**

**Duration:** 5 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG 40% or SG 50% and Physical Science HG 40% or SG 40%

**Selection:** Matriculation results

**Fees:** R6480 p.a.

**Venue:** University of the Orange Free State

Afrikaans medium

**B.Sc. (Q.S.)**

**Duration:** 4 years full-time: 6 months' compulsory vacation work with a quantity surveyor during the course

**Entry qualification:** Senior Certificate with university admission (D symbol average)

**Subjects required:** Mathematics HG or SG 50% and Physical Science or Economics or Business Economics or Accounting

**Selection:** Merit

## TOWN AND REGIONAL PLANNING

**Occupation(s):** Town and regional planner

**Venue:** PU (for CHE)

Afrikaans medium

**B.Art. et Scien. (Beplanning)**

**Duration:** 4 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG (E symbol) or SG (C symbol); Afrikaans HG First Language (E symbol) or Second Language (C symbol) or a course in Communication-Afrikaans passed at the University

**Selection:** Academic achievement and psychometric testing

**Fees:** Approximately R4795 p.a.

**Venue:** University of Pretoria

Afrikaans medium

**B.Stads- en Streekbeplanning**

**Duration:** 4 years full-time or 3 years part-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** Mathematics HG 40% or SG 50%

**Selection:** Matriculation results

**Fees:** R5175 p.a.

**Venue:** University of the Witwatersrand  
English medium

**B.Sc. (Town and Regional Planning)**

**Duration:** 4 years full-time

**Entry qualification:** Senior Certificate with university admission

**Subjects required:** English HG (or a pass in the University's English Proficiency test) and Mathematics HG 40% or SG 60%

**Selection:** Academic performance

**Fees:** Approximately R6300 p.a.



**STUDY OPPORTUNITIES  
AT TECHNIKONS**

## **ARCHITECTURAL TECHNOLOGY**

**Occupation(s):** Architectural technician

**Personal requirements:** Creative, thinks independently, solves problems, communicates graphically and verbally and able to put ideas into practice

**Nature of work:** An architectural technician's job is mainly to advise and make decisions about building materials and how they are assembled to construct effective buildings. Other skills include presentation drawing, surveying, office management, building site supervision, negotiation with local authorities and the application of building regulations

**Venue:** Technikon Northern Transvaal  
English medium

**National Diploma:** Architectural Technology

**Duration:** 3 years full-time: 2 years formal training and 1 year experiential training

**Entry qualification:** Senior Certificate without university admission (C symbol aggregate) OR successful completion of the Potentiality Development Programme OR N4 with at least 5 appropriate subjects

**Subjects required:** Senior Certificate: Mathematics (C symbol), Physical Science and English. N4: Mathematics (60%) and English

**Selection:** Aptitude tests

**Note:** A Potentiality Development Programme is available for students who do not meet the selection criteria in terms of school symbols. A Senior Certificate without university admission with a HG pass or an E symbol in Mathematics and Physical Science and a pass in English, is required for admission to this programme. 1993 information

**Fees:** 1994: R360 per subject per semester

**Venue:** Technikon Natal  
Afrikaans or English medium

**National Diploma:** Architectural Tech-

nology

**Duration:** 3 years full-time: 30 months formal training and 6 months experiential training

**Entry qualification:** Senior Certificate without university admission with a minimum of 4 subjects on HG and/or LG, official languages included. LG subjects are acceptable only if not required in the programme of study

**Subjects required:** English First Language HG (E symbol) or SG (D symbol) or English Second Language HG (C symbol) or SG (B symbol)

**Subjects recommended:** Art, Mathematics, Physical Science, Geography, Technical Drawing

**Selection:** Points system

**Fees:** First and third year: R4720 p.a. (R1115 per subject); second year: R610 per subject (3 subjects only)

**Venue:** Peninsula Technikon  
Afrikaans or English medium

**National Diploma:** Architectural Technology

**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training

**Entry qualification:** Senior Certificate without university admission or NTC III

**Subjects required:** First and Second Language SG (Senior Certificate level) for NTC III

**Subjects recommended:** Woodwork, Mathematics, Physical Science, Technical Drawings, Art

**Selection:** Portfolio of creative work and personal interview

**Fees:** Approximately R115 - R508 per subject

**Venue:** Cape Technikon  
Afrikaans or English medium

**National Diploma:** Architectural Technology

**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training



**Entry qualification:** Senior Certificate without university admission with six subjects and without any LG subjects  
**Subjects required:** Afrikaans and English (with the First Language on HG) and Mathematics SG (E symbol) or N3 Mathematics (60%)  
**Selection:** Portfolio of creative work, aptitude exercises and a prescribed task  
**Fees:** Approximately R3000 - R6000 p.a.

**Venue:** Port Elizabeth Technikon  
Afrikaans and English medium  
**National Diploma: Architectural Technology**  
**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training  
**Entry qualification:** Senior Certificate without university admission and without any lower grade subjects or a four subject N3 certificate with both official languages on Senior Certificate level  
**Subjects required:** First Language HG (E symbol) or SG (D symbol)  
**Subjects recommended:** Woodwork, Metalwork, Technical Drawing, Art, Physical Science, Mathematics  
**Selection:** Selection tests  
**Fees:** R190 - R660 per subject

**Venue:** Technikon Pretoria  
Afrikaans or English medium  
**National Diploma: Architectural Technology**  
**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training  
**Entry qualification:** Senior Certificate without university admission with a maximum of two subjects on LG. Subjects on LG are acceptable only if not required in the programme of study  
**Selection:** Academic achievement and a selection test  
**Fees:** First year: R224 - R768 per subject; second year: R740 per subject; third year: R380 - R810 per subject

**Venue:** M.L. Sultan Technikon  
English medium  
**National Diploma: Architectural Technology**  
**Duration:** 3 years full-time: 2 years formal training and 1 year appropriate experiential training  
**Entry qualification:** Senior Certificate without university admission with subjects on HG or SG  
**Subjects required:** Mathematics HG and English First Language  
**Selection:** Merit  
**Fees:** R3720 p.a.

**Venue:** Technikon Witwatersrand  
Afrikaans or English medium  
**National Diploma: Architectural Technology**  
**Duration:** 3 years full-time  
**Entry qualification:** Senior Certificate without university admission  
**Subjects required:** First Language HG (E symbol), Second Language SG (D symbol) and Mathematics  
**Subjects recommended:** Art, Technical Drawing  
**Selection:** Selection test  
**Fees:** Approximately R380 per subject per semester or approximately R760 per subject p.a.

## BRIDGING COURSES

**Venue:** Mangosuthu Technikon  
English medium  
**Pre-Technical**  
**Duration:** 6 months  
**Entry qualification:** Senior Certificate without university admission or N3 or an appropriate GCE certificate  
**Subjects required:** Mathematics, Physical Science or Biology, English and another language  
**Selection:** Merit  
**Fees:** R1200 per semester

**Venue:** Port Elizabeth Technikon  
Afrikaans and English medium

### **Pre-Technical Course**

**Fields:** Analytical Chemistry, Civil Engineering, Electrical Engineering, Environmental Health, Industrial Engineering, Mechanical Engineering, Biomedical Technology or Radiography

**Duration:** 2 semesters

**Entry qualification:** Senior Certificate without university admission

**Subjects required:** English, Mathematics and Physical Science

**Fees:** R320 per subject

**Venue:** Border Technikon

English medium

### **Tertiary Foundation Course**

**Duration:** 1 year full-time

**Entry qualification:** Senior Certificate without university admission

**Subjects required:** Mathematics F symbol and Physical Science or equivalent

**Selection:** Academic merit

**Note:** This course enables a student to further study at the Border Technikon or other tertiary institutions. 1993 information

**Fees:** R1660

## **BUILDING**

**Occupation(s):** Building surveyor; Construction supervisor

**Personal requirements:** Practical, ability to communicate verbally and graphically, ability to visualise building work, aptitude for figures, accuracy and perseverance

**Nature of work:** The task encompasses cost accounting, the placing of orders for material and the delivery thereof, as well as the control of payment during the different stages of a construction project

**Venue:** Technikon Natal

Afrikaans or English medium

**National Diploma: Building**

**Duration:** 3 years full-time: 2 years formal training and 1 year experiential training

**Entry qualification:** Senior Certificate without university admission with a minimum of 4 subjects on HG and/or SG, official languages included. LG subjects

are acceptable only if not required in the programme of study

**Subjects required:** English First Language HG (E symbol) or SG (D symbol) or English Second Language HG (C symbol) or SG (B symbol) and Mathematics HG or SG

**Fees:** First and third year: R4720 p.a. (R1115 per subject); second year: R600 per subject (only 3 subjects)

**Venue:** Technikon Pretoria; Technikon Pretoria (Kwamhlanga Campus)

Afrikaans or English medium

**National Diploma: Building**

**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training

**Entry qualification:** Senior Certificate without university admission with a maximum of two subjects on LG. Subjects on LG are acceptable only if not required in the programme of study

**Subjects required:** Mathematics (preferably on HG)

**Selection:** Academic achievement

**Fees:** First year: R224 - R718 per subject; second year: R370 per subject; third year: R760 - R786 per subject

**Venue:** Mangosuthu Technikon

English medium

**National Diploma: Building**

**Duration:** 2 years formal training and 1 year experiential training

**Entry qualification:** Senior Certificate without university admission

**Subjects required:** English, Mathematics and a science subject

**Selection:** Candidates subject to selection

**Fees:** R1900 per semester

**Venue:** Port Elizabeth Technikon

Afrikaans and English medium

**National Diploma: Building**

**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training

**Entry qualification:** Senior Certificate without university admission and without any lower grade subjects or a four subject N3 certificate plus both official languages at Senior Certificate level

**Subjects required:** First Language HG (E symbol) or SG (D symbol)

**Subjects recommended:** Mathematics, Physical Science, Woodwork, Technical Drawing

**Selection:** Academic merit

**Fees:** R190 - R660 per subject

**Venue:** Peninsula Technikon

Afrikaans or English medium

**National Diploma:** Building

**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training

**Entry qualification:** Senior Certificate without university admission or NTC III

**Subjects required:** Mathematics for Senior Certificate. Mathematics and First and Second Language SG (Senior Certificate level) for NTC III

**Subjects recommended:** Woodwork, Physical Science, Technical Drawings

**Selection:** Academic achievement

**Fees:** Approximately R115 - R462 per subject

**Venue:** Technikon Northern Transvaal

English medium

**National Diploma:** Building

**Duration:** 3 years full-time: 2 years formal training and 1 year experiential training

**Entry qualification:** Senior Certificate without university admission (C symbol aggregate) OR successful completion of the Potentiality Development Programme OR N4 with at least 5 appropriate subjects

**Subjects required:** Senior Certificate: Mathematics (C symbol), Physical Science and English. N4: Mathematics (60%) and English

**Selection:** Aptitude tests

**Note:** A Potentiality Development Programme is available for students who do

not meet the selection criteria in terms of school symbols. A Senior Certificate without university admission with a HG pass or an E symbol in Mathematics and Physical Science and a pass in English, is required for admission to this programme. 1993 information

**Fees:** 1994: R360 per subject per semester

**Venue:** Transkei Technikon

English medium

**National Diploma:** Building

**Duration:** 3 years full-time

**Entry qualification:** Senior Certificate without university admission

**Selection:** Candidates subject to selection

**Fees:** R3950 p.a.

**Venue:** Cape Technikon

Afrikaans or English medium

**National Diploma:** Building

**Duration:** 3 years full-time: 2 years formal training and 1 year appropriate experiential training

**Entry qualification:** Senior Certificate without university admission with six subjects (only subjects on HG and SG are acceptable)

**Subjects required:** English and Afrikaans (with the First Language on HG) and Mathematics SG (E symbol) or N3 Mathematics (60%)

**Selection:** Psychometric tests

**Fees:** Approximately R3000 - R6000 p.a.

**Venue:** Technikon Witwatersrand

Afrikaans or English medium

**National Diploma:** Building

**Duration:** 3 years full-time

**Entry qualification:** Senior Certificate without university admission

**Subjects required:** Mathematics and Physical Science HG (E symbol) or SG (D symbol)

**Subjects recommended:** Woodwork, Metalwork

**Selection:** Selection and Language proficiency tests and personal interview

**Fees:** Approximately R760 per subject p.a. or approximately R380 per subject per semester

**Venue:** Technikon OFS  
Afrikaans or English medium

**National Diploma: Building**

**Duration:** 3 years: 24 months formal training and 12 months appropriate experiential training

**Entry qualification:** Senior Certificate without university admission with a minimum of 5 subjects on HG and/or SG, official languages included. A subject on LG is acceptable only if not required in the programme of study

**Subjects required:** Mathematics and Physical Science HG or SG

**Selection:** Academic achievement and personal interview if necessary

**Fees:** R245 - R485 per subject

**Venue:** M.L. Sultan Technikon  
English medium

**National Diploma: Building**

**Duration:** 3 years full-time: 24 months formal training and 12 months appropriate experiential training

**Entry qualification:** Senior Certificate without university admission with subjects on HG or SG

**Subjects required:** Mathematics

**Selection:** Merit

**Fees:** R3720 p.a.

## **NON-DIRECTED PROGRAMMES**

**Venue:** Technikon SA  
Afrikaans and English medium

**Certificate Programme**

Correspondence course

**Fields:** Accounting; Business Studies; Botany; Company Administration; Government Finance; Horticulture; Horticulture Management; Horticulture: Mechanisation; Horticultural Practices; Industrial Relations; Internal Auditing; Landscape De-

sign; Local Government Finance; Marketing; Method & Time Measurement; Municipal Administration; Packaging Management; Personnel Management; Public Management and Administration; Purchasing Management; Plant Breeding; Plant Pest Control; Printing Management; Production Management; Real Estate; Registration of Deeds; Retail Business Management; Safety Management; State Accounts & Finance: Inland Revenue; Tax and Law; Turfgrass Management; Urban Environmental Management; Work Study: Factories; Work Study: Offices; Work Study: Civil Services;

**Duration:** 1 year

**Entry qualification:** Senior Certificate without university admission with not more than two subjects on the LG, which may not include English or Afrikaans

**Note:** Certificate programmes are intended for NEW students only and not for existing diploma students. Each certificate relates to a particular diploma or group of diplomas. It acts as an access path to a national diploma with full subject credits. Students who are not certain as to which direction to study, may choose subjects from different diplomas and after self-evaluation of their progress, make a choice, retaining credit for appropriate subjects passed

**Fees:** R390 per subject

**Venue:** Technikon SA

Afrikaans and English medium

**Higher Certificate Programme**

Correspondence course

**Fields:** Horticulture; Local Government Finance; Municipal Administration; Public Management and Administration

**Entry qualification:** Senior Certificate without university admission with not more than two subjects on the LG, which may not include English or Afrikaans

**Note:** Certificate programmes are intended for NEW students only and not for existing diploma students. Each certificate relates to a particular diploma or group of diplomas. It acts as an access path to a national diploma with full subject credits. Students

who are not certain as to which direction to study, may choose subjects from different diplomas and after self-evaluation of their progress, make a choice, retaining credit for appropriate subjects passed  
Fees: R390 per subject

## **SURVEYING**

**Occupation(s):** Surveying technician

**Personal requirements:** Enjoys travelling and working outdoors, responsible and good human relations

**Nature of work:** Mapping and collection of all necessary data on the nature of the land on which a planned scheme is to be executed. Geodetic surveying involves accuracy, used to establish the shape of the planet earth; with cadastral surveying property boundaries are determined; hydrographic surveying is used to map the sea bed; mine surveying involves underground workings; topographical surveying involves the physical features on the ground and engineering surveying involves the setting out and maintenance of all buildings

**Venue:** Technikon Witwatersrand  
English medium

**National Diploma:** Surveying

**Duration:** 3 years

**Entry qualification:** Senior Certificate without university admission

**Subjects required:** Physical Science and the First Language (HG: D symbol in one and HG: E symbol in the other), Second Language SG (D symbol) and Mathematics HG (D symbol)

**Subjects recommended:** Computer Science and Geography

**Selection:** Selection test and a personal interview if required

**Fees:** 6 subjects @ approximately R760 each p.a. or R380 each per semester

**Venue:** Technikon Pretoria  
Afrikaans or English medium

**National Diploma:** Surveying

**Duration:** Four semesters formal training

and two semesters experiential training

**Entry qualification:** Senior Certificate without university admission (with a maximum of two LG subjects and which are acceptable only if not required in the programme of study)

**Subjects required:** Mathematics and Physical Science HG (E symbol) or SG (C symbol)

**Selection:** Academic achievement and applicable subjects

**Note:** It is compulsory for students to register with the SA Council for Professional Surveyors and Technical Surveyors as technician-in-training

**Fees:** R224 - R506 per subject per semester

**Venue:** M.L. Sultan Technikon  
English medium

**National Diploma:** Surveying

**Duration:** 4 semesters full-time and 2 semesters in-service training

**Entry qualification:** Senior Certificate without university admission and with subjects on HG and/or SG

**Subjects required:** English (First Language), Afrikaans or another language and Mathematics

**Subjects recommended:** Physical Science or Physics and/or Technical Drawing

**Selection:** Academic merit

**Fees:** R3720 per annum or R1860 per semester

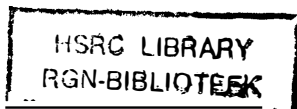
**Venue:** Technikon Northern Transvaal  
English medium

**National Diploma:** Surveying

**Duration:** 6 semesters: 4 semesters full-time study at Technikon and 2 semesters of experiential training with an approved employer

**Entry qualification:** Senior Certificate without university admission (C aggregate) or N4 with at least 5 appropriate subjects or successful completion of the Potentiality Development Programme

**Subjects required:** Senior Certificate: Mathematics (C symbol), Physical Science



and English. N4: Mathematics (60%) and English

**Selection:** Aptitude tests

**Note:** A Potentiality Development Programme is available for students who do not meet the selection criteria in terms of school symbols. A Senior Certificate without university admission with a HG pass or an E symbol in Mathematics and Physical Science and a pass in English, is required for admission to this programme. 1993 information

**Fees:** 1994: R360 per subject per semester

**Venue:** Cape Technikon

Afrikaans or English medium

**National Diploma:** Surveying

**Duration:** 3 years full-time: 18 months formal training and 18 months appropriate in-service training

**Entry qualification:** Senior Certificate without university admission (six subjects at HG and/or SG)

**Subjects required:** First Language HG and Second Language SG; Mathematics SG (D symbol) or HG (E symbol) or N4 Mathematics at least 50% (Functional Mathematics is unacceptable)

**Selection:** Psychometric testing and/or aptitude tests and/or a personal interview  
**Fees:** Approximately R3000 - R6000 p.a.

**Venue:** Technikon Natal

Afrikaans or English medium

**National Diploma:** Surveying

**Duration:** 3 years: 2 years' formal training and 1 year's experiential training

**Entry qualification:** Senior Certificate without university admission with a minimum of 4 subjects on HG and/or SG, official languages included. Subjects on LG are acceptable only if not required in the programme of study or a N3 Certificate with 4 subjects plus the two official languages

**Subjects required:** English First Language HG (E symbol) or SG (D symbol) or English Second Language HG (C symbol) or SG (B symbol) and Mathematics HG (E

symbol) or SG (D symbol)

**Selection:** Academic point rating

**Fees:** R2630 per semester or R610 per subject

**Venue:** Peninsula Technikon

Afrikaans or English medium

**National Diploma:** Surveying

**Duration:** 3 years: 2 years formal training and one year experiential training with an approved civil engineering consultant, contractor or land surveyor. Land Surveying: 1 year formal training and 1 year experiential training. The third year will be offered as the need arises

**Entry qualification:** Senior Certificate without university admission or N3

**Subjects required:** Mathematics for Senior Certificate. One language (this need not be Afrikaans or English) as First Language SG and one official language as Second Language SG for N3 candidates

**Fees:** Approximately R161 per subject p.a.

**Venue:** Mangosuthu Technikon

English medium

**National Diploma:** Surveying

**Duration:** 4 semesters formal training and 2 semesters appropriate experiential training

**Entry qualification:** Senior Certificate without university admission

**Subjects required:** English, Mathematics and a natural science subject

**Selection:** Academic merit

**Fees:** R1960 per semester

## TOWN AND REGIONAL PLANNING

**Occupation(s):** Town and regional planning technician

**Personal requirements:** Creative, three-dimensional ability, good visual perception and the ability to communicate effectively

**Nature of work:** Works as one of a team

(made up of engineers, architects, geologists, surveyors, economists, landscape architects and social scientists) in the development and planning of residence, work places and recreational facilities. Work embraces inter alia land surveying, planning, presentation of data by means of maps, graphs, diagrams, sketches and the construction of scale models for proposed schemes

**Venue:** Cape Technikon

Afrikaans or English medium

**National Diploma: Town and Regional Planning**

**Duration:** 3 years full-time: 18 months formal training and 18 months appropriate in-service training

**Entry qualification:** Senior Certificate without university admission (six subjects at HG and/or SG)

**Subjects required:** First Language HG and Second Language SG; Mathematics SG (D symbol) or HG (E symbol) or N3 Mathematics (70%) or N4 Mathematics (60%)

**Selection:** Psychometric testing and/or aptitude tests and/or a personal interview

**Fees:** Approximately R3000 - R6000 p.a.

**Venue:** M.L. Sultan Technikon

English medium

**National Diploma: Town and Regional Planning**

**Duration:** 3 years full-time: 2 years' formal training (years one and three) and one year's appropriate in-service training (year two)

**Entry qualification:** Senior Certificate without university admission and with HG or SG subjects

**Subjects required:** Mathematics HG; English (First Language) and Afrikaans or another language

**Subjects recommended:** Physical Science

**Fees:** R3720 per annum or R1860 per semester

**Venue:** Technikon Witwatersrand

Afrikaans or English medium

**National Diploma: Town and Regional Planning**

**Duration:** 3 years

**Entry qualification:** Senior Certificate without university admission or a N3 Certificate

**Subjects required:** First Language HG (E symbol), Second Language SG (D symbol) and Mathematics HG (E symbol) or SG (D symbol) for Senior Certificate. For the N3 Certificate an average of 60% with a minimum of 55% for Mathematics, Trade Theory, Building Science and Architectural Draughting, as well as the First Language HG (E symbol) and Second Language SG (D symbol)

**Subjects recommended:** Geography

**Selection:** Selection test

**Fees:** 6 subjects @ approximately R760 each p.a. or R380 each per semester

# INDEX OF OCCUPATIONS

	<i>PAGE</i>
Architect	2
Architectural assistant	2
Architectural technician	6
Building manager	3
Building surveyor	8
Construction manager	3
Construction supervisor	8
Land surveyor	4
Quantity surveyor	4
Surveying technician	11
Town and regional planner	5
Town and regional planning technician	12



**STUDIEGELEENTHEDE**  
**AAN UNIVERSITEITE EN TECHNIKONS**



# INDEKS VAN STUDIERIGTINGS WAARVOOR STUDIEGELEENTHEDE BESKIKBAAR IS

*BLADSY*

## UNIVERSITEITE

ARGITEKTUUR	16
BOUKUNDE	17
BOUREKENKUNDE	18
LANDMEETKUNDE	19
STADS- EN STREEKBEPLANNING	19

## TECHNIKONS

ARGITEKTUURTEGNOLOGIE	20
BOUKUNDE	21
OPMETING	24
STADS- EN STREEKBEPLANNING	26
<b>NIE-GERIGTE PROGRAMME</b>	<b>23</b>
<b>OORBRUGGINGSKURSUSSE</b>	<b>24</b>



**STUDIEGELEENTHEDE AAN  
UNIVERSITEITE**

## **ARGITEKTUUR**

**Beroep(e):** Argitek (slegs met ervaring en ten minste 4 + jaar studie); Argitekassistent (3 jaar studie)

**Waar:** Universiteit van Natal(Durban)

Engelsmedium

**B.Arch.**

**Duur:** 4 jaar

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Keuring:** Akademiese prestasie en voorlegging van 'n portefeulje van kreatiewe werk

**Gelde:** 1993: Ongeveer R8130 p.j.. 'n Verhoging van ongeveer 10% vir 1994

**Waar:** Universiteit van die Witwatersrand  
Engelsmedium

**Bachelor of Architectural Studies**

**Duur:** 4 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** 'n Slaagpunt in Wiskunde HG of SG 60%. 'n Slaagpunt in Engels Eerste of Tweede Taal HG of in die Universiteit se Engelse Taalvaardigheidstoets

**Keuring:** Akademiese prestasie

**Nota:** BAS-gegradueerdes mag in 'n argitek se kantoor werk, maar as hulle self wil praktiseer moet hulle die PDip(Arch.) kwalifikasie verwerf

**Gelde:** Ongeveer R6300 p.j.

**Waar:** Universiteit van Port Elizabeth

Afrikaans- of Engelsmedium

**B.Boukunde**

**Duur:** 3 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** Wiskunde SG

**Keuring:** 'n Spesiale toelatingseksamen mag moontlik vereis word

**Nota:** Die graad B.Boukunde is 'n voorvereiste vir die B.Argitektuur-graad

**Gelde:** Eerste jaar: R5825; tweede jaar: R5490; derde jaar: R5040

**Waar:** Universiteit van Port Elizabeth  
Afrikaans- of Engelsmedium

**B.Arch.**

**Duur:** 2 jaar voltyds (in opvolging van die derde jaar van die B.Boukunde-graad)

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating asook die graad B.Boukunde wat 'n voorvereiste vir B.Argitektuur is

**Vakke vereis:** Matrikulasie Wiskunde SG. Teorie van Argitektuur III en Ontwerp III.

**Keuring:** 'n Spesiale toelatingseksamen mag moontlik vereis word

**Nota:** Hierdie kursus word voortgesit nadat die graad B.Boukunde behaal is

**Gelde:** Eerste jaar: R5415; tweede jaar: R5600

**Waar:** Universiteit van die Oranje-Vrystaat

Afrikaansmedium

**B.Arch.Stud.**

**Duur:** 4 jaar (vakansiewerk word vereis)

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating (D-simbool gemiddeld)

**Vakke vereis:** Wiskunde HG (slaagpunt) of SG (D-simbool) en nog 'n natuurwetenskapvak, verkieslik Natuur- en Skeikunde HG of SG

**Keuring:** Portefeulje van kreatiewe werk en die aflê van potensiaaltoetse

**Waar:** Universiteit van Kaapstad

Engelsmedium

**Bachelor of Architectural Studies**

**Duur:** 3 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** 'n Slaagpunt in Wiskunde of 'n natuurwetenskapvak HG of SG 50%  
**Bykomende vereistes:** Engelse taalvaardigheid. Bewys van besondere ontwerp-talent

**Keuring:** Portefeulje van kreatiewe werk, akademiese prestasie en motivering van kandidaat

**Nota:** Hierdie graad voorsien die nodige agtergrond vir toelating tot die profes-

sionele kursus in argitektuur of tot na-  
graadse kursusse in stads- en streekbeplan-  
ning, stedelike ontwerp of landskapargitek-  
tuur

**Gelde:** R8050 p.j.

**Waar:** Universiteit van Pretoria  
Afrikaansmedium

**B.Arch.**

**Duur:** 5 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat  
met universiteitstoelating

**Vakke vereis:** Wiskunde en Natuur- en  
Skeikunde HG 50%

**Keuring:** Akademiese prestasie

**Gelde:** R5765 p.j.

## **BOUKUNDE**

**Beroep(e):**Boubestuurder; Konstruksiebes-  
tuurder

**Waar:** Universiteit van die Witwatersrand  
Engelsmedium

**B.Sc. (Building)**

**Duur:** 4 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat  
met universiteitstoelating

**Vakke vereis:** Slaagpunt in Wiskunde HG  
of SG 60% en een van die volgende vakke  
op HG-slaagpunt of SG 60%: Biologie,  
Aardrykskunde, Natuur- en Skeikunde of  
Fisiologie

**Keuring:** Akademiese prestasie

**Gelde:** Ongeveer R6300 p.j.

**Waar:** Universiteit van Pretoria  
Afrikaansmedium

**B.Sc.(Boubestuur)**

**Duur:** 5 jaar

**Toetreekwalifikasie:** Senior Sertifikaat  
met universiteitstoelating

**Vakke vereis:** Wiskunde HG slaagpunt of  
SG 50% en Natuur- en Skeikunde HG-  
slaagpunt of SG 40%

**Keuring:** Akademiese prestasie

**Nota:** Gedurende die derde, vierde en  
vyfde studiejaar moet student voltyds by 'n  
geregistreerde werkgewer in die boubedryf

werk

**Gelde:** R6480 p.j.

**Waar:** Universiteit van Kaapstad  
Engelsmedium

**B.Sc. (Building Management)**

**Duur:** 4 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat  
met universiteitstoelating

**Vakke vereis:** 'n Slaagpunt in Wiskunde  
HG of SG 50% en nog 'n natuurweten-  
skapvak SG of HG

**Bykomende vereistes:** Engelse taalvaar-  
digheid

**Keuring:** Akademiese prestasie. Kandidate  
word aangeraai om 'n motivering in te  
dien

**Gelde:** R7950 p.j.

**Waar:** Universiteit van Port Elizabeth  
Afrikaans- of Engelsmedium

**B.Sc. (Konstruksiebestuur)**

**Duur:** 4 of 5 jaar, afhangede van die  
kurrikulum (omvattende praktiese werk  
ingesluit)

**Toetreekwalifikasie:** Senior Sertifikaat  
met universiteitstoelating

**Vakke vereis:** Wiskunde HG (E-simbool)  
of SG (D-simbool)

**Keuring:** 'n Spesiale toelatingseksamen  
mag maandelik vereis word

**Gelde:** Eerste jaar: R5190; tweede jaar:  
R4870 ; derde jaar: R5405; vierde jaar:  
R4480; vyfde jaar: R4960

**Waar:** Universiteit van die Oranje-Vry-  
staat

Afrikaansmedium

**B.Sc.(Boubestuur)**

**Duur:** 4 jaar voltyds (vakansiewerk word  
vereis)

**Toetreekwalifikasie:** Senior Sertifikaat  
met universiteitstoelating (D-simbool ge-  
middeld)

**Vakke vereis:** 'n Slaagpunt in Wiskunde  
HG of SG 50% en 'n slaagpunt in nog een  
van Natuur- en Skeikunde, Ekonomie,  
Bedryfsekonomie of Rekeningkunde.

Natuur- en Skeikunde SG word vir 'n kursus in Fisika vereis  
**Keuring:** Meriete

**Waar:** Universiteit van Natal(Durban)  
Engelsmedium  
**B.Sc. Construction Management**  
**Duur:** 4 jaar  
**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating  
**Vakke vereis:** Wiskunde en Natuur- en Skeikunde HG 40% of SG 70%  
**Keuring:** Akademiese prestasie  
**Gelde:** Ongeveer R8130 p.j. vir 1993 en 'n styging van ten minste 10% vir 1994

## **BOUREKENKUNDE**

**Beroep(e):** Bourekenaar

**Waar:** Universiteit van die Oranje-Vrystaat  
Afrikaansmedium  
**B.Sc. (Q.S.)**  
**Duur:** 4 jaar voltyds; 6 maande vakansiewerk by 'n bourekenaar gedurende die kursus is 'n vereiste  
**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating (D-simbool gemiddeld)  
**Vakke vereis:** Wiskunde HG of SG 50% en Natuur- en Skeikunde of Ekonomie of Bedryfsekonomie of Rekeningkunde  
**Keuring:** Meriete

**Waar:** Universiteit van Pretoria  
Afrikaansmedium  
**B.Sc. (Q.S.)**  
**Duur:** 5 jaar voltyds  
**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating  
**Vakke vereis:** Wiskunde HG 40% of SG 50% en Natuur- en Skeikunde HG 40% of SG 40%  
**Keuring:** Matriekprestasie  
**Gelde:** R6480 p.j.

**Waar:** Universiteit van Port Elizabeth

Afrikaans- of Engelsmedium  
**B.Sc. (Q.S.)**  
**Duur:** 4 jaar voltyds of deelyds  
**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating  
**Vakke vereis:** Wiskunde HG 40% of SG 50%  
**Bykomende vereistes:** Daar kan van 'n kandidaat vereis word om 'n spesiale toelatingseksamen te slaag  
**Gelde:** Eerste jaar: R4685; tweede jaar: R6310; derde jaar: R6290 en die vierde jaar: R6010

**Waar:** Universiteit van Kaapstad  
Engelsmedium  
**B.Sc. (Q.S.)**  
**Duur:** 4 jaar voltyds  
**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating  
**Vakke vereis:** Wiskunde HG 40% of SG 50% en 'n natuurwetenskapvak  
**Keuring:** Matrieklasieprestasie en 'n geskrewe motivering vir kandidaat se graadkeuse  
**Gelde:** R7950 p.j.

**Waar:** Universiteit van die Witwatersrand  
Engelsmedium  
**B.Sc. (Q.S.)**  
**Duur:** 4 jaar voltyds  
**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating  
**Vakke vereis:** Engels HG (of 'n slaagpunt in die Universiteit se Engelse Taalvaardigheidstoets) en Wiskunde HG of SG 60% en Biologie of Geografie of Natuur- en Skeikunde of Fisiologie  
**Keuring:** Matriekuitslae  
**Gelde:** Ongeveer R6300 p.j.

**Waar:** Universiteit van Natal(Durban)  
Engelsmedium  
**B.Sc. (Q.S.)**  
**Duur:** 4 jaar  
**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating  
**Vakke vereis:** Wiskunde HG 40% of SG



70%

**Vakke aanbeveel:** Natuur- en Skeikunde of Chemie en Fisika

**Keuring:** Akademiese prestasie

**Gelde:** R8130 p.j. vir 1993 en 'n styging van ten minste 10% vir 1994

## **LANDMEETKUNDE**

**Beroep(e):** Landmeter

**Waar:** Universiteit van Natal(Durban)

Engelsmedium

**B.Sc. (Land Surveying)**

**Duur:** 4 jaar (vakansiewerk word ook vereis)

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** Wiskunde en Natuur- en Skeikunde of Chemie of Fisika HG (60%)

**Keuring:** Akademiese prestasie

**Gelde:** R8130 p.j. vir 1993 en 'n styging van ten minste 10% vir 1994

**Waar:** Universiteit van Kaapstad

Engelsmedium

**B.Sc. (Survey.)**

**Duur:** 4 jaar

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** D-simbool in beide Wiskunde en Natuur- en Skeikunde op die HG  
**Bykomende vereistes:** Engelse taalvaardigheid

**Keuring:** Akademiese prestasie

**Gelde:** Eerste jaar: R7000 en daaropvolgende jare: R7650 p.j.

**Waar:** Universiteit van Pretoria

Afrikaansmedium

**B.Landmeetkunde**

**Duur:** 4 jaar en 6 maande

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** Wiskunde en Natuur- en Skeikunde HG 50%

**Keuring:** Gemiddelde persentasie behaal in St. 9

## **STADS- EN STREEKBEPLANNING**

**Beroep(e):** Stads- en streekbeplanner

**Waar:** Universiteit van Pretoria

Afrikaansmedium

**B.Stads- en Streekbeplanning**

**Duur:** 4 jaar voltyds of 3 jaar deelyds

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** Wiskunde HG 40% of SG 50%

**Keuring:** Matriekprestasie

**Gelde:** R5175 p.j.

**Waar:** PU (vir CHO)

Afrikaansmedium

**B.Art. et Scien. (Beplanning)**

**Duur:** 4 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** Wiskunde HG 40% of SG 60%; Afrikaans HG Eerste Taal (E-simbool) of Tweede Taal (C-simbool), andersins moet 'n kursus in Kommunikasie-Afrikaans geslaag word

**Keuring:** Akademiese prestasie en psigometriese toetsing

**Gelde:** Ongeveer R4795 p.j.

**Waar:** Universiteit van die Witwatersrand  
Engelsmedium

**B.Sc. (Town and Regional Planning)**

**Duur:** 4 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat met universiteitstoelating

**Vakke vereis:** Engels HG (of 'n slaagpunt in die Universiteit se Engelse Taalvaardigheidstoets) en Wiskunde HG 40% of SG 60%

**Keuring:** Akademiese prestasie

**Gelde:** Ongeveer R6300 p.j.



**STUDIEGELEENTHEDE AAN  
TECHNIKONS**

## **ARGITEKTUURTEGNOLOGIE**

**Beroep(e):** Argitektuurtegnikus

**Persoonlike vereistes:** Kreatiwiteit, vermoë om onafhanklik te dink, probleme op te los, grafies en verbaal te kommunikeer en idees prakties te realiseer

**Aard van werk:** Die argitektuurtegnikus se werk is hoofsaaklik om raad te gee en besluite te neem oor boumateriale en -elemente en die gebruik daarvan om doeltreffende geboue op te rig. Ander vaardighede sluit opmeting, voorstellingstekewerk, kantoorbestuur, toesig oor bouwerk, onderhandelinge met plaaslike owerhede en die toepassing van bouregulasies in

**Waar:** Technikon Skiereiland

Afrikaans- of Engelsmedium

**Nasionale Diploma:** Argitektuurtegnologie

**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating of NTS III

**Vakke vereis:** Eerste en Tweede Taal SG (Senior Sertifikaatvlak) vir NTS III

**Vakke aanbeveel:** Houtwerk, Wiskunde, Natuur- en Skeikunde, Tegniese Tekene, Kuns

**Keuring:** Portefeulje van kreatiewe werk en persoonlike onderhoud

**Gelde:** Ongeveer R115 - R508 per vak

**Waar:** Technikon Pretoria

Afrikaans- of Engelsmedium

**Nasionale Diploma:** Argitektuurtegnologie

**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee vakke op LG. Die vakke op LG is slegs toelaatbaar indien dit nie in die onderrigprogram vereis word nie

**Keuring:** Akademiese prestasie en 'n keuringstoets

**Gelde:** Eerste jaar: R224 - R768 per vak;

tweede jaar: R740 per vak; derde jaar: R380 - R810 per vak

**Waar:** Technikon Noord-Transvaal

Engelsmedium

**Nasionale Diploma:** Argitektuurtegnologie

**Duur:** 3 jaar voltyds: 2 jaar formele opleiding en 1 jaar ervaringsopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating (C-simbool gemiddeld) OF suksesvolle voltooiing van die Potentiality Development Programme OF N4 met ten minste 5 toepaslike vakke

**Vakke vereis:** Senior Sertifikaat: Wiskunde (C-simbool), Natuur- en Skeikunde en Engels. N4: Wiskunde (60%) en 'n slaagpunt in Engels

**Keuring:** Aanlegtoets

**Nota:** Die Potentiality Development Programme is beskikbaar vir studente wie se matrieksimbole nie aan die vereiste standaard voldoen nie. 'n Senior Sertifikaat sonder universiteitstoelating met 'n HG-simbool of 'n E-simbool in Wiskunde en Natuur- en Skeikunde en 'n slaagpunt in Engels, word vir toelating tot die program vereis. 1993-inligting

**Gelde:** 1994: R360 per vak per semester

**Waar:** Kaapse Technikon

Afrikaans- of Engelsmedium

**Nasionale Diploma:** Argitektuurtegnologie

**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met ses vakke en sonder enige vakke op LG

**Vakke vereis:** Afrikaans en Engels (met die Eerste Taal op HG) en Wiskunde SG (E-simbool) of N3 Wiskunde (60%)

**Keuring:** Portefeulje van kreatiewe werk, aanlegoefeninge en 'n voorgeskrewe taak

**Gelde:** Ongeveer R3000 - R6000 p.j.

**Waar:** Technikon Natal  
Afrikaans- of Engelsmedium  
**Nasionale Diploma:** Argitektuurtegnologie  
**Duur:** 3 jaar voltyds: 30 maande formele opleiding en 6 maande ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met 'n minimum van 4 vakke op HG en/of SG, amptelike tale ingesluit. Vakke op LG is slegs toelaatbaar indien dit nie in die onderrigprogram vereis word nie  
**Vakke vereis:** Engels Eerste Taal HG (E-simbool) of SG (D-simbool) of Engels Tweede Taal HG (C-simbool) of SG (B-simbool)  
**Vakke aanbeveel:** Wiskunde, Kuns, Natuur- en Skeikunde, Aardrykskunde, Tegniese Tekene  
**Keuring:** Puntestelsel  
**Gelde:** Eerste en derde jaar: R4720 p.j. (R1115 per vak); tweede jaar: R610 per vak (slegs 3 vakke)

**Waar:** M.L. Sultan Technikon  
Engelsmedium  
**Nasionale Diploma:** Argitektuurtegnologie  
**Duur:** 3 jaar voltyds: 2 jaar formele opleiding en 1 jaar toepaslike indiensopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met vakke op HG of SG  
**Vakke vereis:** Wiskunde HG en Engels Eerste Taal  
**Keuring:** Meriete  
**Gelde:** R3720 p.j.

**Waar:** Port Elizabethse Technikon  
Afrikaans- en Engelsmedium  
**Nasionale Diploma:** Argitektuurtegnologie  
**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike indiensopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating en sonder enige laergraadvakke of 'n N3-sertifikaat met vier vakke plus albei amptelike tale op

Senior Sertifikaatvlak  
**Vakke vereis:** Eerste Taal HG (E-simbool) of SG (D-simbool)  
**Vakke aanbeveel:** Houtwerk, Metaalwerk, Tegniese Tekene, Kuns, Natuur- en Skeikunde, Wiskunde  
**Keuring:** Keuringstoets  
**Gelde:** R190 - R660 per vak

**Waar:** Technikon Witwatersrand  
Afrikaans- of Engelsmedium  
**Nasionale Diploma:** Argitektuurtegnologie  
**Duur:** 3 jaar voltyds  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating  
**Vakke vereis:** Eerste Taal HG (E-simbool), Tweede Taal SG (D-simbool) en Wiskunde  
**Vakke aanbeveel:** Kuns, Tegniese Tekene  
**Keuring:** Keuringstoets  
**Gelde:** Ongeveer R380 per vak per semester of ongeveer R760 per vak p.j.

## **BOUKUNDE**

**Beroep(e):** Bouwerkopmeter; Konstruksietoetsighouer  
**Persoonlike vereistes:** Prakties, vermoë om verbaal en grafies te kommunikeer, vermoë om bouwerk te visualiseer, 'n aanleg vir syfers, akkuraatheid en deursigtigvermoë  
**Aard van werk:** Doen kosteberekenings, beplanning van bestellings en die aflewering van materiale, sowel as kontrolewerk oor betalings in die verskillende stadiums van 'n konstruksieprojek

**Waar:** Technikon Pretoria; Technikon Pretoria (Kwamhlanga-kampus)  
Afrikaans- of Engelsmedium  
**Nasionale Diploma:** Boukunde  
**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee vakke op LG. Die vakke op LG is slegs toelaatbaar indien dit nie in

die onderrigprogram vereis word nie  
**Vakke vereis:** Wiskunde (verkieklik op HG)  
**Keuring:** Akademiese prestasie  
**Gelde:** Eerste jaar: R224 - R718 per vak;  
tweede jaar: R370 per vak; derde jaar:  
R760 - R786 per vak

**Waar:** Port Elizabethse Technikon  
Afrikaans- en Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating en sonder enige laergraadvakke of 'n N3-sertifikaat met vier vakke plus albei amptelike tale op Senior Sertifikaatvlak  
**Vakke vereis:** Eerste Taal HG (E-simbool) of SG (D-simbool)  
**Vakke aanbeveel:** Wiskunde, Natuur- en Skeikunde, Houtwerk, Tegnieuse Tekene  
**Keuring:** Akademiese prestasie  
**Gelde:** R190 - R660 per vak

**Waar:** Technikon OVS  
Afrikaans- of Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met 'n minimum van 5 vakke op HG en/of SG, amptelike tale ingesluit. 'n Vak op LG is slegs toelaatbaar indien dit nie in die onderrigprogram vereis word nie  
**Vakke vereis:** Wiskunde en Natuur- en Skeikunde HG of SG  
**Keuring:** Akademiese prestasie en persoonlike onderhoud indien nodig  
**Gelde:** R245 - R485 per vak

**Waar:** M.L. Sultan Technikon  
Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike erva-

ringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met vakke op HG of SG  
**Vakke vereis:** Wiskunde  
**Keuring:** Meriete  
**Gelde:** R3720 p.j.

**Waar:** Technikon Natal  
Afrikaans- of Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar voltyds: 2 jaar formele opleiding en 1 jaar ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met 'n minimum van 4 vakke op HG en/of SG, amptelike tale ingesluit. Vakke op LG is slegs toelaatbaar indien dit nie in die onderrigprogram vereis word nie  
**Vakke vereis:** Engels Eerste Taal HG (E-simbool) of SG (D-simbool) of Engels Tweede Taal HG (C-simbool) of SG (B-simbool) en Wiskunde HG of SG  
**Gelde:** Eerste en derde jaar: R4720 p.j. (R1115 per vak); tweede jaar: R600 per vak (slegs 3 vakke)

**Waar:** Technikon Noord-Transvaal  
Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar voltyds: 2 jaar formele opleiding en 1 jaar ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating (C-simbool gemiddeld) OF suksesvolle voltooiing van die Potentiality Development Programme OF N4 met ten minste 5 toepaslike vakke  
**Vakke vereis:** Senior Sertifikaat: Wiskunde (C-simbool), Natuur- en Skeikunde en Engels. N4: Wiskunde (60%) en 'n slaagpunt in Engels  
**Keuring:** Aanlegtoetse  
**Nota:** Die Potentiality Development Programme is beskikbaar vir studente wie se matrieksimbole nie aan die vereiste standaard voldoen nie. 'n Senior Sertifikaat sonder universiteitstoelating met 'n HG-slaagpunt of 'n E-simbool in Wiskunde en Natuur- en Skeikunde en 'n slaagpunt in

Engels, word vir toelating tot die program vereis. 1993-inligting  
**Gelde:** 1994: R360 per vak per semester

**Waar:** Technikon Skiereiland  
Afrikaans- of Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating of NTS III  
**Vakke vereis:** Wiskunde vir Senior Sertifikaat. Wiskunde asook Eerste en Tweede Taal SG (Senior Sertifikaatvlak) vir NTS III  
**Vakke aanbeveel:** Houtwerk, Natuur- en Skeikunde, Tegnie se Tekene  
**Keuring:** Akademiese prestasie  
**Gelde:** Ongeveer R1 15 - R462 per vak

**Waar:** Transkei Technikon  
Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar voltyds  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating  
**Keuring:** Kandidate word gekeur  
**Gelde:** R3950 p.j.

**Waar:** Technikon Witwatersrand  
Afrikaans- of Engelsmedium  
**Nasionale Diploma: Boukunde**  
Boukunde  
**Duur:** 3 jaar voltyds  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating  
**Vakke vereis:** Wiskunde en Natuur- en Skeikunde HG (E-simbool) of SG (D-simbool)  
**Vakke aanbeveel:** Houtwerk en Metaalwerk  
**Keuring:** Keuringstoets, taalvaardigheids-toets en persoonlike onderhoud  
**Gelde:** Ongeveer R760 per vak p.j. of ongeveer R380 per vak per semester

**Waar:** Kaapse Technikon  
Afrikaans- of Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 3 jaar voltyds: 2 jaar formele opleiding en 1 jaar toepaslike ervaringsopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met ses vakke (slegs vakke op HG en SG is aanvaarbaar)  
**Vakke vereis:** Afrikaans en Engels (met die Eerste Taal op HG) en Wiskunde SG (E-simbool) of N3-Wiskunde (60%)  
**Keuring:** Psigometriese toetse  
**Gelde:** Ongeveer R3000 - R6000 p.j.

**Waar:** Mangosuthu Technikon  
Engelsmedium  
**Nasionale Diploma: Boukunde**  
**Duur:** 2 jaar formele opleiding en 1 jaar indiensopleiding  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating  
**Vakke vereis:** Engels, Wiskunde en 'n wetenskapvak  
**Keuring:** Kandidate word gekeur  
**Gelde:** R1900 per semester

## NIE-GERIGTE PROGRAMME

**Waar:** Technikon SA  
Afrikaans- en Engelsmedium  
**Sertifikaatprogram**  
Korrespondensie-kursus  
**Rigtings:** Aankoopbestuur; Baangrasbestuur; Bemarking; Besigheidsbelasting & Regswese; Drukkerybestuur; Eiendoms-wese; Intern ouditkunde; Kleinhandelsakebestuur; Landskapontwerp; Maatskappy-administrasie; Method- & Time Measurement; Munisipale Administrasie; Nywerheidsverhoudinge; Openbare Bestuur & Administrasie; Owerheidsfinansies; Personeelbestuur; Plaaslike Owerheidsfinansies; Plant- en Plaagbeheer; Planteteelt; Plantkunde; Produk siebestuur; Registrasie van Aktes; Rekeningkunde; Sake studies; Staatsrekening & Finansies; Binnelandse Inkomste; Stedelike Omgewingsbestuur; Tuinbou; Tuinboubestuur; Tuinboumeganisasie; Tuinboupraktyk; Veiligheidsbestuur;

Verpakkingsbestuur; Werkstudie: Fabrieke;  
Werkstudie: Kantore; Werkstudie: Staats-  
diens

**Duur:** 1 jaar

**Toetreekwalifikasie:** Senior Sertifikaat  
sonder universiteitstoelating met nie meer  
as twee vakke op LG nie, Engels en  
Afrikaans uitgesluit

**Nota:** Die Sertifikaatprogramme is slegs  
vir NUWE studente bedoel en nie vir  
bestaande diplomastudente nie. Studente  
wat nog nie sekerheid het oor hulle studie-  
rigting nie, kan vakke vanuit verskillende  
diplomas kies en na selfevaluering van hul  
vordering, 'n rigting kies, met behoud van  
krediet vir toepaslike vakke. Die ser-  
tificaatprogramme dien as toetreeoete tot  
'n nasionale diploma, met volwaardige  
vakkrediete

**Gelde:** R390 per vak

**Waar:** Technikon SA  
Afrikaans- en Engelsmedium

#### **Hoër Sertifikaatprogram**

**Korrespondensie-kursus**

**Rigtings:** Munisipale Administrasie; Open-  
bare Bestuur & Administrasie; Plaaslike  
Owerheidsfinansies; Tuinbou

**Toetreekwalifikasie:** Senior Sertifikaat  
sonder universiteitstoelating (met nie meer  
as twee vakke op die LG nie, amptelike  
tale uitgesluit)

**Nota:** Hierdie programme is slegs vir  
NUWE studente bedoel en nie vir bes-  
taande diplomastudente nie. Studente wat  
nog nie sekerheid het oor hulle studierig-  
ting nie, kan nou vakke vanuit verskillende  
diplomas kies en na selfevaluering van hul  
vordering, 'n rigting kies met behoud van  
toepaslike vakke reeds geslaag. Die kur-  
susse dien as 'n toetreeoete tot 'n nasio-  
nale diploma, met volwaardige vakkrediete  
**Gelde:** R390 per vak

## **OORBRUGGINGSKURSUSSE**

**Waar:** Mangosuthu Technikon  
Engelsmedium

**Pre-tegnies**

**Duur:** 6 maande

**Toetreekwalifikasie:** Senior Sertifikaat  
sonder universiteitsopleiding of N3 of 'n  
toepaslike GCE-sertifikaat

**Vakke vereis:** Wiskunde, Natuur- en  
Skeikunde of Biologie, Engels en 'n ander  
taal

**Keuring:** Akademie se meriete

**Gelde:** R1200 per semester

**Waar:** Port Elizabethse Technikon  
Afrikaans- en Engelsmedium

#### **Pre-tegniese Kursus**

**Rigtings:** Analitiese Chemie, Sivele In-  
genieurswese, Elektriese Ingenieurswese,  
Omgewingsgesondheid, Bedryfsingenieurs-  
wese, Meganiese Ingenieurswese, Biome-  
diese Ingenieurswese en Radiografie

**Duur:** 2 semesters

**Toetreekwalifikasie:** Senior Sertifikaat  
sonder universiteitstoelating

**Vakke vereis:** Engels, Wiskunde en  
Natuur- en Skeikunde

**Gelde:** R320 per vak

**Waar:** Border Technikon  
Engelsmedium

#### **Tersiêre Oorbruggingskursus**

**Duur:** 1 jaar voltyds

**Toetreekwalifikasie:** Senior Sertifikaat  
sonder universiteitstoelating

**Vakke vereis:** Wiskunde F-simbool en  
Natuur- en Skeikunde

**Keuring:** Akademie se meriete

**Nota:** Hierdie kursus stel kandidaat instaat  
om studies aan die Border Technikon of  
enige ander tertiêre instelling voort te sit.  
1993-inligting

**Gelde:** R1660

## **OPMETING**

**Beroep(e):** Opmetingstegnikus

**Persoonlike vereistes:** Moet daarvan hou  
om buite te werk, te reis, gevorderde  
tegnologie te gebruik en goeie mensever-  
houdinge te handhaaf

**Aard van werk:** Versamel relevante data  
en verwerk dit tot inligting op 'n plan.  
Geodetiese posisionering behels die bepa-  
ling van koördinate om onder andere die



vorm van die aarde vas te stel; kadastrale opmeting het te doen met die opmeet van eiendom; hidrografie behels die kartering van die seebodem; mynoppemting behels ondergrondse oppemtings; topografiese oppemting behels die fisiese eienskappe bo-op die grond en ingenieursoppemting behels die uitlê van paaie, snelweë, brue e.d.m.

**Waar:** Technikon Noord-Transvaal  
Engelsmedium

**Nasionale Diploma: Oppemting**

**Duur:** 6 semesters: 4 semesters voltyds by die Technikon en 2 semesters ervaringsoppemting by 'n goedgekeurde werkgewer  
**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating (C-simbool gemiddeld) of N4 met 5 toepaslike vakke of suksesvolle voltooiing van die Potentiality Development Programme

**Vakke vereis:** Senior Sertifikaat: Wiskunde (C-simbool), Natuur- en Skeikunde en Engels. N4: Wiskunde (60%) en 'n slaagpunt in Engels

**Keuring:** Aanlegtoetse

**Nota:** Die Potentiality Development Programme is beskikbaar vir studente wie se matrieksimbole nie aan die vereiste standaard voldoen nie. 'n Senior Sertifikaat sonder universiteitstoelating met 'n HG-slaagpunt of 'n E-simbool in Wiskunde en Natuur- en Skeikunde en 'n slaagpunt in Engels, word vir toelating tot die program vereis. 1993-inligting

**Gelde:** 1994: R360 per vak per semester

**Waar:** M.L. Sultan Technikon  
Engelsmedium

**Nasionale Diploma: Oppemting**

**Duur:** 4 semesters voltyds en 2 semesters indiensoppemting

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met vakke op HG en/of SG

**Vakke vereis:** Engels (Eerste Taal), Afrikaans of 'n ander taal en Wiskunde

**Vakke aanbeveel:** Natuur- en Skeikunde en/of Tegniese Tekene

**Keuring:** Akademiese meriete

**Gelde:** R3720 per jaar of R1860 per se-

mester

**Waar:** Technikon Natal

Afrikaans- of Engelsmedium

**Nasionale Diploma: Oppemting**

**Duur:** 3 jaar: 2 jaar formele oppemting en 1 jaar toepaslike indiensoppemting

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met 'n minimum van vier vakke op HG en/of SG, amptelike tale ingesluit (vakke op LG is slegs toelaatbaar indien dit nie in die onderrigprogram vereis word nie) of die N3 Sertifikaat met 4 vakke plus die amptelike tale

**Vakke vereis:** Engels Eerste Taal HG (E-simbool) of SG (D-simbool) of Engels Tweede Taal HG (C-simbool) of SG (B-simbool) en Wiskunde HG (E-simbool) of SG (D-simbool)

**Keuring:** Akademiese meriete

**Gelde:** R2630 per semester of R610 per vak

**Waar:** Technikon Pretoria

Afrikaans- of Engelsmedium

**Nasionale Diploma: Oppemting**

**Duur:** Vier semesters teoretiese oppemting en twee semesters goedgekeurde ervaringsonderrig

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating ('n maksimum van 2 vakke op LG - slegs aanvaarbaar indien dit nie in die program van studie vereis word nie)

**Vakke vereis:** Wiskunde HG (E-simbool) of SG (C-simbool) en Natuur- en Skeikunde HG (E-simbool) of SG (C-simbool)

**Keuring:** Akademiese prestasie en toepaslike vakke

**Nota:** Studente is verplig om by die SA Raad vir Professionele Landmeters en Tegniese Opmeters as tegnikus-in-oppemting te registreer

**Gelde:** R224 - R506 per vak per semester

**Waar:** Technikon Witwatersrand  
Engelsmedium

**Nasionale Diploma: Opmeting**

**Duur:** 3 jaar

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating

**Vakke vereis:** Natuur- en Skeikunde en die Eerste Taal (HG: D-simbool in die een en HG: E-simbool in die ander), Tweede Taal SG (D-simbool) en Wiskunde HG (D-simbool)

**Vakke aanbeveel:** Rekenaarwetenskap en Aardrykskunde

**Keuring:** Keuringstoets en 'n persoonlike onderhoud, indien nodig

**Gelde:** 6 vakke @ ongeveer R760 elk p.j. of R380 elk per semester

**Waar:** Technikon Skiereiland

Afrikaans- of Engelsmedium

**Nasionale Diploma: Opmeting**

**Duur:** 3 jaar: 2 jaar formele opleiding en een jaar indiensopleiding by 'n goedgekeurde siviele ingenieurskonsultant, kontrakteur of landmeter. Landmeetkunde: 1 jaar formele opleiding en 1 jaar ervaringsopleiding. Die derde jaar sal aangebied word as die behoefte daarvoor ontstaan

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating of N3-Sertifikaat

**Vakke vereis:** Senior Sertifikaat: Wiskunde; N3-Sertifikaat: Een taal (dit hoef nie Afrikaans of Engels te wees nie) as Eerste Taal SG en een amptelike taal as Tweede Taal SG

**Gelde:** Ongeveer R161 per vak p.j.

**Waar:** Kaapse Technikon

Afrikaans- of Engelsmedium

**Nasionale Diploma: Opmeting**

**Duur:** 3 jaar voltyds: 18 maande formele opleiding en 18 maande toepaslike indiensopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating (ses vakke op HG en/of SG)

**Vakke vereis:** Eerste Taal HG en Tweede Taal SG; Wiskunde SG (D-simbool) of HG (E-simbool) of N4-Wiskunde minstens 50% (Funksionele Wiskunde is nie aan-

vaarbaar nie)

**Keuring:** Psigometriese toetsing en/of aanlegtoets en/of 'n persoonlike onderhoud

**Gelde:** Ongeveer R3000 - R6000 p.j.

**Waar:** Mangosuthu Technikon Engelsmedium

**Nasionale Diploma: Opmeting**

**Duur:** 4 semesters formele opleiding en 2 semesters toepaslike indiensopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating

**Vakke vereis:** Engels, Wiskunde en 'n wetenskapvak

**Keuring:** Akademiese prestasie

**Gelde:** R1960 per semester

## STADS- EN STREEKBEPANNING

**Beroep(e):** Stads- en Streekbeplanningstegnikus

**Persoonlike vereistes:** Kreatief, drie-dimensionele vermoëns, goeie visuele persepsie en die vermoë om effektief te kommunikeer

**Aard van werk:** Werk as een van 'n span (bestaande uit ingenieurs, argitekte, geoloë, landmeters, ekonome, landskapsargitekte en sosiale wetenskaplikes) in die ontwikkeling en beplanning van verblyf, werksplekke en ontspanningsfasiliteite. Werk behels onder andere opmeting, opnames, voorstelling van data deur middel van kaarte, grafieke en die konstruksie van skaalmodelle vir voorgestelde skemas

**Waar:** M.L. Sultan Technikon Engelsmedium

**Nasionale Diploma: Stads- en Streekbeplanning**

**Duur:** 3 jaar voltyds: 2 jaar formele opleiding en een jaar toepaslike indiensopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating met vakke op HG en/of SG

**Vakke vereis:** Wiskunde HG; Engels (Eerste Taal) en Afrikaans of 'n ander taal

**Gelde:** R3720 per jaar of R1860 per semester

**Waar:** Technikon Witwatersrand  
Afrikaans- of Engelsmedium

**Nasionale Diploma:** Stads- en Streekbeplanning

**Duur:** 3 jaar

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating of N3

**Vakke vereis:** Eerste Taal HG (E-simbool), Tweede Taal SG (D-simbool) en Wiskunde HG (E-simbool) of SG (D-simbool) vir Senior Sertifikaat. Vir die N3 Sertifikaat 'n gemiddeld van 60% met minstens 55% in Wiskunde, Ambagsteorie, Boukunde en Boutekene asook Eerste Taal HG (E-simbool) en Tweede Taal SG (D-simbool)

**Vakke aanbeveel:** Aardrykskunde

**Keuring:** Keuringstoets

**Gelde:** 6 vakke @ ongeveer R760 elk p.j. of R380 elk per semester

**Waar:** Kaapse Technikon

Afrikaans- of Engelsmedium

**Nasionale Diploma:** Stads- en Streekbeplanning

**Duur:** 3 jaar voltyds: 18 maande formele opleiding en 18 maande toepaslike indiensopleiding

**Toetreekwalifikasie:** Senior Sertifikaat sonder universiteitstoelating (ses vakke op HG en/of SG)

**Vakke vereis:** Eerste Taal HG en Tweede Taal SG; Wiskunde SG (D-simbool) of HG (E-simbool) of N3-Wiskunde (70%) of N4-Wiskunde (60%)

**Keuring:** Psigometriese toetsing en/of aanlegtoetse en/of 'n persoonlike onderhoud

**Gelde:** Ongeveer R3000 - R6000 p.j.

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Argitekassistent	16
Argitektuurtegnikus	20
Boubestuurder	17
Bourekenaar	18
Bouwerkopmeter	21
Konstruksiebestuurder	17
Konstruksietoeshouer	21
Landmeter	19
Opmetingstegnikus	24
Stads- en streekbeplanner	19
Stads- en Streekbeplannings- tegnikus	26

## APPENDIX/BYLAE

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