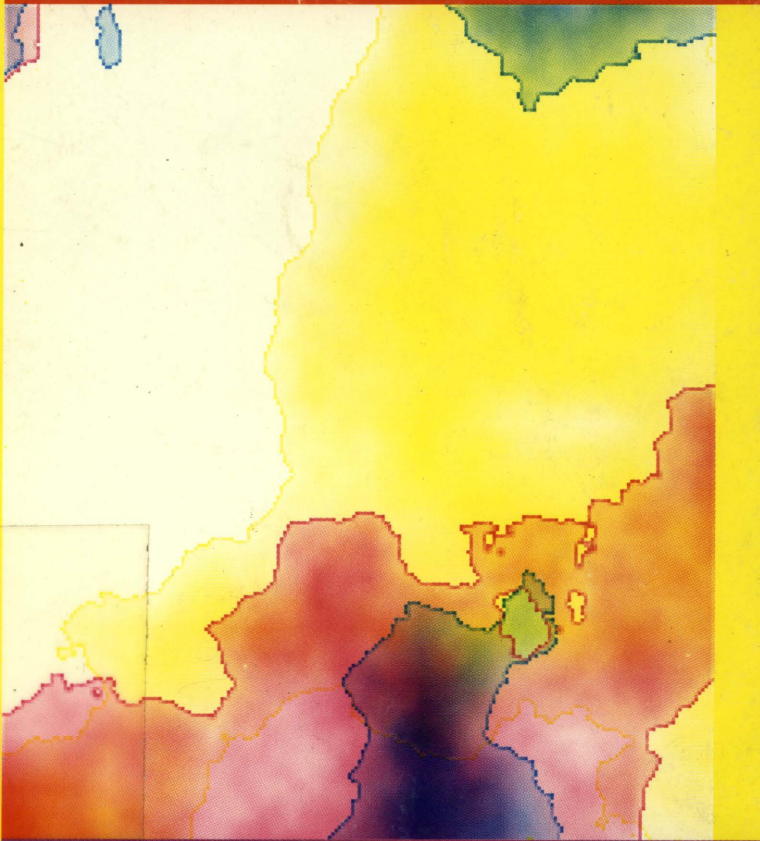


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Natuur-, Wiskundige en Rekenaarwetenschappen*

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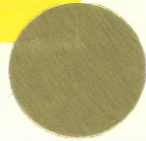
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**STUDY OPPORTUNITIES AT
UNIVERSITIES AND TECHNIKONS:
*NATURAL, MATHEMATICAL AND
COMPUTER SCIENCE***

**STUDIEGELEENTHEDE AAN
UNIVERSITEITE EN TECHNIKONS:
*NATUUR-, WISKUNDIGE EN
REKENAARWETENSKAPPE***

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1995

J. Roodt

M.W. Craemer

A.E. Verster



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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.

beroep 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 werkgevers 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

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**STUDY OPPORTUNITIES
AT UNIVERSITIES**

DATAMETRICS

Venue: University of South Africa

Afrikaans or English medium

Diploma in Datametrics

Correspondence course

Duration: 2 years

Entry qualification: Senior Certificate with university admission (50% in at least 3 matric subjects is required to register for more than 2 courses in the first year of study)

Subjects required: Mathematics HG 40% or SG 50%

Fees: First year: R530 per course; second year: R550 per course; third year: R670 per course

DIETETICS

Occupation(s): Dietician

Venue: University of Pretoria

Afrikaans medium

B.Dieetkunde

Duration: 4 years full-time

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics and Physical Science HG 50%

Selection: Academic achievement

Fees: R5400 p.a.

Venue: University of Stellenbosch

Afrikaans medium

B.Sc. Dieetkunde

Duration: 4 years

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

Subjects required: Mathematics and a physical science subject with a HG pass or SG (C symbol) or Mathematics and Physical Science, with at least one at HG: If Mathematics is passed at SG, at least an E symbol is required

Subjects recommended: Physical Science
Fees: Approximately R5420 p.a.

Venue: University of the North

English medium

B.Nutrition

Duration: 4 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG (F symbol) or SG (E symbol) is required if the following subjects are included in the course: Botany, Chemistry, Geology, Physics and Zoology

Additional requirements: Medical certificate and testimonials of good conduct

Selection: Academic achievement

Fees: Approximately R4790 p.a.

Venue: University of Natal (Pietermaritzburg)

English medium

B.Sc. (Diet.)

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG 40% or SG 60% and one other natural science subject HG 40% or SG 50%

Selection: Academic achievement

Note: A fourth year leads to the Post-graduate Diploma in Dietetics

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

Venue: University of the Orange Free State

Afrikaans medium

B.Sc. (Dieetkunde)

Duration: 4 years full-time

Entry qualification: Senior Certificate with university admission

Subjects required: A pass in Mathematics SG

Subjects recommended: Physical Science and Biology

Selection: Admission is subject to selection

Venue: MEDUNSA

English medium

B.Sc. (Diet.)

Duration: 4 years

Entry qualification: Senior Certificate with university admission

Subjects required: A pass in Mathematics and Physical Science

Selection: Academic achievement

Fees: First year: R5040; second year: R5015; third year: R5270; fourth year: R3460

Venue: University of the Western Cape
Afrikaans and English medium

B.Sc. (Dietetics)

Duration: 4 years: Practical training as from the end of the second year

Entry qualification: Senior Certificate with university admission

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

Selection: Admission subject to selection

Fees: Approximately R4300 p.a.

FOOD SCIENCE

Occupation(s): Food scientist

Venue: University of Stellenbosch
Afrikaans medium

B.Sc. (Voedselwetenskap)

Duration: 4 years (2 months' compulsory vacation work in an approved food factory or research organisation)

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

Subjects required: Mathematics HG or SG (D symbol) and a natural science subject SG (E symbol)

Subjects recommended: Physical Science

Additional requirements: Candidates with an average of less than 50% may be required to go through a selection session

Fees: Approximately R5060 p.a.

HOME ECONOMICS

Occupation(s): Home economist

Venue: PU (for CHE)

Afrikaans medium

B.Huishoudkunde

Fields: Clothing and Family Resource Management; Socio-Economic; Food and Nutrition

Duration: 4 years full-time

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG or one other Natural Science subject (preferably Physical Science) HG plus Mathematics SG and Afrikaans First Language HG (E symbol) or Second Language HG (C symbol), or a course in Communication-Afrikaans, passed at the University

Subjects recommended: Physical Science

Additional requirements: A selection test may be required if matric results are not satisfactory

Fees: Approximately R5225 p.a.

Venue: University of the Western Cape
Afrikaans and English medium

B.A. (Human Ecology)

Duration: 4 years

Entry qualification: Senior Certificate with university admission

Subjects required: At least 50% SG or 40% HG in one of the following subjects: Biology, Physiology, Mathematics or Physical Science

Fees: Approximately R3950 p.a.

Venue: University of Stellenbosch
Afrikaans medium

B.Huishoudkunde

Duration: 4 years

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

Subjects required: Mathematics SG or Physical Science SG

Fees: Approximately R4380 p.a.

Venue: University of Zululand
English medium

B.Home Econ.

Duration: 4 years
Entry qualification: Senior Certificate with university admission
Subjects recommended: Mathematics
Fees: R4540 p.a.

Venue: University of Pretoria
Afrikaans medium
B.Huishoudkunde
Fields: General; Clothing Marketing; Food Management; Interior Design
Duration: 4 years full-time
Entry qualification: Senior Certificate with university admission
Subjects required: Mathematics HG 40% or SG 50% is required for admission to Clothing Marketing or Interior Design. Mathematics and Physical Science HG 50% is required for admission to Food Management
Subjects recommended: Physical Science
Selection: Average St. 9 examination results
Fees: R5490 p.a.

Venue: University of the Orange Free State
Afrikaans medium
B.Sc. (Huishoudkunde)
Duration: 4 years
Entry qualification: Senior Certificate with university admission (D symbol average)
Subjects required: Mathematics HG or SG (E symbol)
Subjects recommended: Biology
Fees: R4903 p.a.

METEOROLOGY

Occupation(s): Meteorologist

Venue: University of Pretoria
Afrikaans medium
B.Sc. (Weerkunde)
Duration: 4 years
Entry qualification: Senior Certificate with university admission
Subjects required: Mathematics and Phy-

sical Science HG 50%
Selection: Average St. 9 examination results

MILITARY SCIENCE

Occupation(s): Occupations in the Defence force

Venue: Saldanha Military Academy; University of Stellenbosch
Afrikaans medium
B.Mil.
Fields: Human Sciences; Management Sciences; Natural Sciences
Duration: 3 years
Entry qualification: Senior Certificate with university admission (D symbol average)
Subjects required: Mathematics SG (E symbol) for Management Sciences. Mathematics HG (D symbol) or SG (B symbol) and Physical Science HG or SG (D symbol) for the Natural Sciences course
Selection: Must be accepted by a Military Selection Board
Fees: Approximately R4380 p.a.

NATURAL SCIENCES

Occupation(s): Mathematician; Botanist; Zoologist; Systems analyst; Biochemist; Biologist; Chemist; Entomologist; Geologist; Statistician; Physicist; Actuary; Cartographer; Mineralogist; Computer programmer

Venue: University of the Orange Free State
Afrikaans medium
B.Sc.
Duration: 3 years
Entry qualification: Senior Certificate with university admission (D aggregate)
Subjects required: Mathematical Sciences: Mathematics HG (D symbol) or SG (C symbol) and Physical Science SG. Biological and Earth Sciences: Mathematics HG (D symbol) or SG (C symbol) and Physical Science SG OR Mathematics HG or SG

(E symbol) and Physical Science HG (C symbol) OR Mathematics HG or SG (E symbol) and Biology HG (C symbol) and Physical Science SG

Subjects recommended: Biology

Fees: R4903 p.a.

Venue: University of Natal(Durban)

English medium

B.Sc.

Fields: Biological Sciences; Computer Sciences; General and Earth Sciences; Mathematical Sciences; Physical Sciences

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG 40% and Physical Science or Biology HG 40% or SG 70%. Mathematics HG 50% is required for students intending to register for the fields: Physical Sciences, Mathematical Sciences or Computer Sciences

Selection: Academic achievement

Fees: R7890 p.a. for 1993 and an increase of not less than 10% for 1994

Venue: University of Bophuthatswana

English medium

B.Sc.

Duration: 6 semesters full-time

Entry qualification: Senior Certificate with university admission or an approved three year Diploma in Education and 2 years' teaching experience

Subjects required: Mathematics HG or Mathematics SG (D symbol) and one of the following subjects at HG: Biology, Geography or Physical Science

Fees: Approximately R425 - R510 per subject

Venue: University of Pretoria

Afrikaans medium

B.Sc.

Fields: Biological Sciences; Chemical Sciences; Earth Sciences; Information Technology; Mathematical Sciences; Physical Sciences

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics and Physical Science HG 50%

Selection: Average St. 9 examination results

Fees: Approximately R5230 - R7140 p.a.

Venue: VISTA University

Afrikaans and English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior certificate with university admission

Subjects required: Matric Mathematics HG (F symbol) or SG 40% (E symbol) or Mathematics at first-year level or an equivalent course at first-year level. If a candidate wishes to include a course in Chemistry or Physics in his curriculum, Physical Science HG (F symbol) or SG 40% (E symbol) is also required

Note: Vista has at present the following campuses: Bloemfontein, East Rand (in Daveyton), Further Training (Pretoria), Mamelodi, Port Elizabeth (in Zwide), Sebokeng (Vanderbijlpark), Soweto, Welkom (in Thabong). Not all the courses are offered at each campus

Fees: Approximately R2850 p.a.

Venue: University of Transkei

English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG (E symbol) or SG (D symbol) or a pass in Special Mathematics. Students who wishes to follow a course in Mathematics I, must have passed Mathematics HG (E symbol) or SG (C symbol) or Special Mathematics (Mathematics SG (G symbol) is required to be admitted to Special Mathematics)

Subjects recommended: Physical Science for prospective students in Chemistry and Physics. Biology for prospective students

in Botany and Zoology
Additional requirements: Testimonials of good conduct and a medical certificate
Selection: Merit
Fees: Approximately R4260 p.a.

Venue: University of Fort Hare
English medium
B.Sc.

Duration: 3 years full-time
Entry qualification: Senior Certificate with university admission
Subjects required: Mathematics SG. If a student wishes to include one of the following subjects in his curriculum, the following additional requirements apply: Mathematics I: Mathematics HG (E symbol) or SG (D symbol); Statistics I: Mathematics SG (E symbol); Botany, Geography and Computer Studies: Mathematics SG (F symbol)
Selection: Academic achievement
Fees: R990 per course p.a.

Venue: Rand Afrikaans University
Afrikaans medium
B.Sc. (Inligtingstechnologie)
Duration: 3 years full-time
Entry qualification: Senior Certificate with university admission
Subjects required: Afrikaans First Language HG (D symbol) or Afrikaans Second Language HG (C symbol) or Afrikaans SG (C symbol) and Mathematics HG (D symbol)
Selection: Academic achievement
Fees: Approximately R5000 - R6000 p.a.

Venue: University of the Witwatersrand
English medium
B.Sc.
Fields: Biological and Life Sciences; Earth Sciences; Mathematical Sciences; Physical Sciences
Duration: 3 years full-time
Entry qualification: Senior Certificate with university admission
Subjects required: A pass in Mathematics

HG or at least 60% SG. English HG (First or Second Language) or a pass in the University's English Language Proficiency test
Selection: Academic achievement
Note: The University also offers a basic B.Sc. bridging programme at the College of Science
Fees: Approximately R6300 p.a.

Venue: University of Cape Town
English medium
B.Sc.
Fields: Chemical Sciences; Earth Sciences; Life Sciences; Mathematical Sciences; Physical Sciences
Duration: 3 years
Entry qualification: Senior Certificate with university admission
Subjects required: Mathematics HG (E symbol) or SG (A symbol) and a pass in one natural science subject (Physical Science, Biology or Physiology) HG (E symbol) or SG (D symbol). If a student wishes to include Chemistry or Physics in his curriculum, a pass in Physical Science HG (E symbol) or SG (D symbol) is also required
Additional requirements: English Language proficiency
Selection: Academic achievement
Fees: First year: R7000; second and third year: R7650 p.a.

Venue: MEDUNSA
English medium
B.Sc.
Duration: 3 years full-time or part-time
Entry qualification: Senior Certificate with university admission
Subjects required: A pass in Mathematics HG and Physical Science or Biology HG. If a student wishes to include one of the following subjects in his curriculum, the following additional requirements apply: Mathematics Special: Mathematics HG (E symbol); Mathematics I: Mathematics HG (D symbol) or Mathematics Special; Chemistry Special: Physical Science HG (E

symbol); Chemistry I: Physical Science HG (D symbol) or Chemistry Special
Selection: Academic merit
Fees: First year: R4680; second year: R6660; third year: R6210

Venue: Rand Afrikaans University
Afrikaans medium

B.Sc.

Fields: Actuarial Science; Biological Sciences; Earth Sciences; Financial Orientation; Mathematical Sciences; Physical Sciences

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Afrikaans First Language HG (D symbol) or Afrikaans Second Language HG (C symbol) or Afrikaans SG (C symbol) and Mathematics HG 50%. The following additional requirements apply if a student wishes to register for a course in the following: Actuarial Sciences: Mathematics HG 70%; Financial Orientation: Accounting HG 60% and Mathematics HG 50%

Selection: Academic achievement

Fees: Approximately R5000 - R6000 p.a.

Venue: University of South Africa
Afrikaans and English medium

B.Sc.

Correspondence course;

Duration: 3 years

Entry qualification: Senior Certificate with university admission (50% in at least three matric subjects is required to register for more than two courses in the first year of study)

Subjects required: Mathematics HG 40% or SG 50%

Fees: First year: R530 per course; second year: R550 per course; third year: R670 per course

Venue: Rhodes University
English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG (E symbol) and a pass in Physical Science or Biology

Fees: R7200 p.a.

Venue: Rhodes University
English medium

B.Sc. (Information Systems)

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG (E symbol)

Fees: R7200 p.a.

Venue: University of Zululand
English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG 40% or SG 50%

Fees: R4540 p.a.

Venue: University of Durban-Westville
English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics and Biology or Physical Science or Physiology HG or at least 50% (D symbol) SG. Mathematics HG (E symbol) or SG (C symbol) and Biology or Physical Science or Physiology HG (E symbol) or SG (D symbol) is required for certain courses in Mathematics, Computer Science, Chemistry and Physics

Selection: Candidates are subject to selection

Fees: Approximately R4400 p.a.

Venue: University of Natal (Pietermaritzburg)

English medium

B.Sc.

Fields: Applied Biological Sciences; Biological Sciences; Earth Sciences; Human Sciences; Physical Sciences; Pure and Applied Mathematical Sciences

Duration: 3 years full-time

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics and Physical Science or Biology HG 40% or SG 60%

Selection: Academic merit

Fees: R7890 p.a. for 1993 and an increase of not less than 10% for 1994

Venue: University of the Western Cape
Afrikaans and English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior Certificate with university admission

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

Fees: Approximately R4300 - R4554 p.a.

Venue: University of Stellenbosch
Afrikaans medium

B.Sc.

Fields: General; Engineering subjects; Human Movement Science

Duration: 3 years

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

Subjects required: Mathematics and Physical Science (with one at HG) OR a pass in Mathematics HG or SG (C symbol) and a natural science subject HG or SG (C symbol). If a student wishes to register for the Engineering subjects option, Mathematics HG (D symbol) and Physical Science HG or SG (C symbol) are required

Subjects recommended: Physical Science for courses in Chemistry and Physics. Biology and Physical Science for courses

in Botany or Zoology

Additional requirements: A medical report must be presented by students who intend to study Human Movement Science
Fees: R5060 p.a.

Venue: University of Venda

English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior Certificate with university admission

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

Additional requirements: Testimonials of good conduct and an entrance test may be required

Selection: Candidates subject to selection

Fees: R3240 p.a.

Venue: PU (for CHE)

Afrikaans medium

B.Sc.

Fields: General; Dietetics; Economical subjects; Engineering subjects; Material Science

Duration: 3 years full-time

Entry qualification: Senior Certificate with university admission

Subjects required: The minimum requirements are: Afrikaans First Language HG (E symbol) or Second Language HG (C symbol) or a course in Communication-Afrikaans, passed at the University, and Mathematics HG or Mathematics SG plus one other Natural Science subject (preferably Physical Science) at HG. Additional requirements: Mathematics HG 50% or SG 60% for students who wishes to register for a course in Mathematics. Physical Science is required for some of the Chemistry courses

Subjects recommended: Physical Science SG

Additional requirements: A selection test may be required if matric results are not satisfactory. Medical fitness is required for Human Movement Science

Fees: Approximately R5225 p.a.

Venue: Vaal Triangle Campus of the PU for CHE

Afrikaans medium

B.Sc.

Fields: General; Economical subjects; Human Sciences subjects

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

Entry qualification: Senior Certificate with university admission

Subjects required: Afrikaans First Language HG (E symbol) or Second Language HG (C symbol) or a course in Communication-Afrikaans passed at the University. Mathematics HG or Mathematics SG plus one other Natural Science subject (preferably Physical Science) at HG. If a student wishes to register for a course in Mathematics, Mathematics HG 50% or SG 60% is required

Subjects recommended: Physical Science SG

Additional requirements: A selection test is required if matric results are not satisfactory

Fees: Approximately R5225 p.a.

Venue: University of Port Elizabeth

Afrikaans or English medium

B.Sc.

Duration: 3 years full-time

Entry qualification: Senior Certificate with university admission

Subjects required: Minimum requirement: Mathematics SG. However, if a candidate wishes to include a course in Mathematics, Applied Mathematics, Statistics, Economics, Accounting or Computer Science in his curriculum, Mathematics SG 50% or HG 40% is required and Mathematics SG 40% is required for Mathematics Special

Fees: First year: R4905 - R5275; second year: R4795 - R4960; third year: R4795 - R5210

Venue: University of the North; Univer-

sity of the North (Qwaqwa Branch)

English medium

B.Sc.

Duration: 3 years

Entry qualification: Senior Certificate with university admission

Subjects required: Mathematics HG (F symbol) or SG (E symbol)

Additional requirements: Medical certificate and testimonials of good conduct

Selection: Matriculation examination results

Fees: Approximately R4790 p.a.

**STUDY OPPORTUNITIES
AT TECHNIKONS**

AIR POLLUTION CONTROL

Venue: Technikon SA
Afrikaans and English medium
National Certificate: Air Pollution Control
Correspondence course;
Duration: 1 year
Entry qualification: A qualification in Public Health or an appropriate equivalent qualification or a Senior Certificate with documentary proof of at least 2 years appropriate experience
Selection: Selection test
Note: Practical sessions are compulsory
Fees: R430 per subject

ANALYTICAL CHEMISTRY

Occupation(s): Chemical technician
Personal requirements: An interest in chemistry, mathematical ability and ability to work well with other people
Nature of work: Usually work in laboratories or in the industrial field outside the laboratory. They are involved in quality analysis and control (to test intermediate and final products and improve analytical methods), research (mostly in a team) and marketing

Venue: Peninsula Technikon
Afrikaans or English medium
National Diploma in Analytical Chemistry
Duration: 3 years full-time: 4 semesters formal training and 12 months appropriate in-service training
Entry qualification: Senior Certificate without university admission
Subjects required: Physical Science and Mathematics SG (D symbol) or HG (E symbol)
Selection: Academic achievement
Fees: Approximately R393 per subject

Venue: Cape Technikon
Afrikaans or English medium
National Diploma in Analytical Chemistry

mistry
Duration: 3 years full-time (six months experiential training in an approved laboratory or plant)
Entry qualification: Senior Certificate without university admission with six subjects, D symbol average (only subjects on HG and SG are acceptable)
Subjects required: Mathematics and Physical Science HG (E symbol or SG D symbol). Both Afrikaans and English, one which must be First Language HG
Selection: Psychometric tests, aptitude tests or personal interview
Fees: Approximately R3000 - R6000 p.a.

Venue: Technikon Pretoria
Afrikaans or English medium
National Diploma in Analytical Chemistry
Duration: 3 years full-time or part-time: 5 semesters formal training and 1 semester 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 and Physical Science HG or at least C symbol SG
Selection: Academic achievement
Note: A bridging programme (i.e. certificate for laboratory assistants) is available for students who do not comply with the entrance requirements
Fees: First semester: R412 - R520 per subject; second semester: R464 - R544 per subject; third semester: R464 - R550 per subject; fourth semester: R464 - R554 per subject; fifth semester - experiential training: R100; sixth semester - project: R440

Venue: Technikon Witwatersrand
Afrikaans or English medium
National Diploma in Analytical Chemistry
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 and Physical Science HG (D symbol) or SG (C symbol)
Additional requirements: Candidates who have not obtained the necessary symbols in the compulsory subjects must write an entrance examination
Fees: Approximately R380 per subject per semester or approximately R760 per subject p.a.

Venue: Vaal Triangle Technikon
Afrikaans and English medium
National Diploma in Analytical Chemistry
Duration: 3 years full-time
Entry qualification: Senior Certificate without university admission with at least 4 subjects on HG or SG (official languages included)
Subjects required: Mathematics and Physical Science HG (E symbol) or SG (D symbol)
Selection: Points system
Fees: First semester: R1857; second semester: R2019; third semester: R2012; fourth semester: R1857; fifth semester: R250

Venue: Setlogelo Technikon
English medium
Pre-technical Course: Analytical Chemistry
Duration: 1 semester
Entry qualification: Senior Certificate without university admission
Subjects required: Mathematics, Physical Science and English (E symbol)
Note: This course is recommended for students who fail to meet the admission requirements for the National Diploma in Analytical Chemistry
Fees: R175 per subject

Venue: Setlogelo Technikon
English medium

National Diploma in Analytical Chemistry
Duration: 3 years full-time: 24 months formal training and 12 months appropriate in-service training
Entry qualification: Senior Certificate without university admission or successful completion of the Pre-Technicians Course
Subjects required: Mathematics and Physical Science HG (D symbol) and English at Senior Certificate level
Selection: Points system
Fees: R175 per subject per semester

Venue: Technikon Northern Transvaal
English medium
National Diploma in Analytical Chemistry
Duration: 3 years full-time (experiential training included)
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 in Analytical Chemistry
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 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 and Physical Science or Physics HG (E symbol) or SG (C symbol)

Fees: R2630 per semester (R610 per subject)

Venue: Port Elizabeth Technikon
Afrikaans and English medium

National Diploma: Analytical Chemistry

Duration: 2 years formal training and 1 year appropriate in-service training

Entry qualification: Senior Certificate without university admission and without any lower grade subjects

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

Selection: Academic achievement

Fees: R380 - R820 per subject

Venue: Mangosuthu Technikon
English medium

National Diploma in Analytical Chemistry

Duration: 3 years full-time: 2 years formal training, 6 months project work and 6 months experiential training

Entry qualification: Senior Certificate without university admission

Subjects required: Mathematics and Physical Science

Selection: Academic achievement

Fees: R1960 per semester

Venue: M.L. Sultan Technikon
English medium

National Diploma: Analytical Chemistry

Duration: 3 years full-time

Entry qualification: Senior Certificate

without university admission with subjects on HG or SG

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

Selection: Merit

Fees: R3720 p.a.

BEAUTY TECHNOLOGY

Occupation(s): Beauty technologist

Personal requirements: Enjoys working with people physically, tactful, sensitive, sympathetic, respectful and well-groomed

Nature of work: Activities include treatments such as massage; electrotherapy; hydrotherapy; nutritional guidance; manicure and pedicure; face and body treatment

Venue: Technikon Natal

Afrikaans or English medium

National Diploma: Beauty Technology

Duration: 3 years full-time

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)

Subjects recommended: Physical Science and Biology

Additional requirements: A medical certificate

Selection: Possible interviews

Fees: First year: R5280 (R1255 per subject); second year: R4930 (R1170 per subject); third year: R5580 (R1330 per subject)

Venue: Cape Technikon

Afrikaans or English medium

National Diploma: Beauty Technology

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission with six subjects at HG and/or SG and a D symbol

aggregate

Subjects required: First Language HG and Second Language SG and Biology or Physiology with not less than 55% average

Subjects recommended: Physical Science

Additional requirements: A medical certificate

Selection: Personal interview

Fees: First year: approximately R6720; second year: approximately R5785; third year: approximately R3960

Venue: Technikon Pretoria
Afrikaans or English medium

National Diploma: Beauty Technology

Duration: 3 years full-time

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: Biology HG (E symbol) or SG (D symbol)

Subjects recommended: Physical Science

Additional requirements: Medical certificate

Selection: Academic achievement and personal interview

Note: Only for female students

Fees: First year: R502 - R952 per subject; second year: R502 - R516 per subject; third year: R516 - R528 per subject

Venue: Technikon Witwatersrand
Afrikaans or English medium

National Diploma: Beauty Technology

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission

Subjects recommended: Biology, Physical Science, Business Economics

Selection: Selection tests and personal interview

Fees: R630 per subject p.a.

Venue: Technikon OFS
Afrikaans or English medium

National Diploma: Beauty Technology

Duration: 3 years full-time

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 recommended: Biology and/or Art SG

Selection: Academic achievement and possible personal interview

Fees: R550 per subject

BIOTECHNOLOGY

Occupation(s): Biotechnologist

Personal requirements: An interest in the origin and retaining of life and concerned with the practical application of scientific knowledge

Nature of work: Biotechnology is the study of living organisms and the application of these organisms for industrial purposes or environmental control. Career opportunities exist in the fields of research and development, waste processing and recycling, manufacturing or environmental control and education

Venue: Technikon Natal
Afrikaans or English medium

National Diploma: Biotechnology

Duration: 3 years: 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: Mathematics and Biology or Physical Science. English First Language HG (E symbol) or SG (D symbol) or English Second Language HG (C symbol) or SG (B symbol)

Note: Preference to candidates with both science subjects

Fees: R2730 per semester (R635 per subject)

Venue: M.L. Sultan Technikon
English medium
National Diploma: Biotechnology
Duration: 3 years: 24 months formal training and 12 months experiential training
Entry qualification: Senior Certificate without university admission (HG or SG subjects only)
Subjects required: HG passes in English, Mathematics, Physical Science and Biology
Fees: R3720 p.a.

Venue: Technikon Witwatersrand
Afrikaans or English medium
National Diploma: Biotechnology
Duration: 3 years full-time
Entry qualification: Senior Certificate without university admission
Subjects required: Mathematics and Physical Science HG (D symbol) or SG (C symbol)
Subjects recommended: Biology
Selection: Selection tests, personal interview and an entrance examination
Fees: R580 per subject p.a.

Venue: Vaal Triangle Technikon
Afrikaans and English medium
National Diploma: Biotechnology
Duration: 3 years full-time
Entry qualification: Senior Certificate without university admission with at least 4 subjects at HG or SG (official languages included)
Subjects required: Mathematics and Physical Science HG (E symbol) or SG (D symbol)
Selection: Points system
Fees: R2012 per semester

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

CERAMIC TECHNOLOGY

Occupation(s): Ceramic technologist
Personal requirements: Scientifically orientated, innovative, creative, good perceptivity
Nature of work: The work is laboratory orientated, and involves the scientific process in the creation of tiles, bricks, porcelain, fireproof products, glass etc.

Venue: Technikon Pretoria
Afrikaans or English medium
National Diploma: Ceramic Technology

Duration: 3 years: 3 semesters formal training and 3 semesters 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 recommended: Physical Science and Mathematics

Selection: Academic achievement

Fees: First semester: 4 subjects @ R450 per subject; second semester: 8 subjects @ R464 per subject; third semester: R464 - R474 per subject

COMPUTER SYSTEMS

Occupation(s): Computer systems technician

Personal requirements: Good eyesight and colour-sensitiveness, ability to communicate, manual dexterity and good eye-hand co-ordination

Nature of work: Responsible for the installation, maintenance and repair of the computer

Venue: Vaal Triangle Technikon

Afrikaans and English medium

National Diploma: Computer Systems

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission with at least 4 subjects on HG or SG (official languages included)

Subjects required: Mathematics HG or SG

Subjects recommended: Computer Science, Physical Science

Selection: Points system

Fees: First semester: R2297; second semester: R2209; third semester: R2190; fourth semester: R1790

Venue: Setlogelo Technikon

English medium

National Diploma: Computer Systems

Duration: 3 years: 2 years formal training

and 1 year in-service training

Entry qualification: Senior Certificate without university admission (E symbol)

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

Subjects recommended: Accounting, English, Mathematics

Selection: Points system

Fees: R175 per subject per semester

Venue: Cape Technikon

Afrikaans or English medium

National Diploma: Computer Systems

Duration: 3 years: 2 years formal training and 1 year experiential training

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

Subjects required: Afrikaans and English: First Language HG and Second Language SG. Mathematics and Physical Science HG (E symbol) or SG (D symbol) or N4 Mathematics and another related engineering subject such as N4 Electrotechnics, N4 Digital Electronics or N4 Engineering Science

Selection: Academic achievement. Candidates shall also be subjected to psychometric and aptitude evaluation, language proficiency tests, etc.

Fees: Approximately R3000 - R6000 p.a.

Venue: Technikon Pretoria

Afrikaans or English medium

National Diploma: Computer Systems

Duration: 3 years full-time: 4 semesters formal training and 2 semesters 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: Physical Science and Mathematics HG 50% or SG 60%

Selection: Selection test

Fees: First semester: R194 - R462 per subject; second semester: R386 - R472 per subject; third semester: R434 - R484 per

subject; fourth semester: R398 - R746 per subject

Venue: M.L. Sultan Technikon
English medium

National Diploma: Computer Systems

Duration: 3 years full-time: 2 years formal training and 1 year in-service training

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

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

Subjects recommended: Physical Science

Selection: Merit

Fees: R1860 per semester

COMPUTER SYSTEMS (ENGINEERING)

Venue: Technikon OFS

Afrikaans or English medium

National Diploma: Computer Systems (Engineering)

Duration: 3 years: 2 years formal training and 1 year 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: R160 - R315 per subject

ENVIRONMENTAL HEALTH

Occupation(s): Environmental health officer

Personal requirements: Ability to communicate tactfully and diplomatically with people at all levels and keep up good human relations

Nature of work: Includes aspects such as health guidance to the public, identification of environmental pollution and the applica-

tion of health laws where man and his environment are involved

Venue: Technikon OFS

Afrikaans or English medium

National Diploma: Environmental Health

Duration: 3 years full-time

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: At least two of the following subjects HG or SG (D symbol): Biology, Physical Science, Mathematics, Geography

Selection: Academic achievement and a personal interview if necessary

Fees: R550 per subject

Venue: Port Elizabeth Technikon

Afrikaans and English medium

National Diploma: Environmental Health

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission and without any lower grade subjects

Subjects required: First Language HG (E symbol) or SG (D symbol) and a good pass mark in Physical Science, Mathematics and Biology

Selection: Academic achievement

Fees: R845 per subject

Venue: Technikon Witwatersrand

Afrikaans or English medium

National Diploma: Environmental Health

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission

Subjects required: At least two of the following subjects HG (D symbol) or SG (C symbol): Biology, Mathematics, Physical Science, Geography

Subjects recommended: Biology, Mathematics, Physical Science, Geography

Selection: Selection tests and personal interview

Fees: R630 per subject p.a.

Venue: Peninsula Technikon
Afrikaans or English medium
National Diploma: Environmental Health
Duration: 3 years full-time
Entry qualification: Senior Certificate without university admission
Subjects recommended: Preference will be given to students with Mathematics and/or Physical Science. Serious consideration is also given to subjects such as Geography and Biology
Selection: Academic achievement
Fees: Approximately R432 per subject

Venue: Cape Technikon
Afrikaans or English medium
National Diploma: Environmental Health
Duration: 3 years full-time
Entry qualification: Senior Certificate without university admission with six subjects at HG and/or SG and a D symbol average
Subjects required: First Language HG and Second Language SG. One or more of the following subjects are also required: Mathematics, Biology, Physiology, Physical Science, Geography
Selection: Psychometric tests, aptitude tests or personal interview
Fees: First and second year: R3550 p.a.; third year: R3600

Venue: Technikon Natal
Afrikaans or English medium
National Diploma: Environmental Health
Duration: 3 years full-time
Entry qualification: Senior Certificate without university admission with a minimum of four 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) plus two of the follow-

ing subjects: Mathematics, Physical Science, Physiology, Biology, Geography HG (E symbol) or SG (D symbol)
Selection: Points system
Fees: First and second year: R4680 p.a. (R1105 per subject); third year: R4980 (R1180 per subject)

Venue: M.L. Sultan Technikon
English medium
National Diploma: Environmental Health
Duration: 3 years full-time
Entry qualification: Senior Certificate without university admission with subjects on HG or SG
Subjects required: Mathematics
Subjects recommended: Biology, Geography or Physical Science
Selection: Merit
Fees: R3720 p.a.

Venue: Technikon Pretoria
Afrikaans or English medium
National Diploma: Environmental Health
Duration: 3 years: 2 years and 9 months formal training and 3 months co-operative 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: Physical Science and Mathematics
Selection: Personal interview and psychometric test
Note: Registration with the SA Medical and Dental Council is compulsory
Fees: First year: R490 - R566 per subject; second year: 5 subjects @ R542 per subject; third year: 5 subjects @ R556 per subject

Venue: Mangosuthu Technikon
English medium
National Diploma: Environmental Health
Duration: 3 years full-time
Entry qualification: Senior Certificate

without university admission

Subjects required: English, Mathematics and Physical Science HG (E symbol) or SG (D symbol) (Consideration MAY be given to students with Biology, Physiology or Geography in place of Mathematics or Physical Science)

Selection: Candidates subject to selection

Fees: R2120 per semester

Venue: Technikon Northern Transvaal.
English medium

National Diploma: Environmental Health

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission (E aggregate)

Subjects required: English, Biology, Physical Science or Mathematics (all at HG)

Subjects recommended: Geography or Agriculture

Selection: Aptitude tests

Note: 1993 information

Fees: 1994: R360 per subject per semester

EXPLOSIVES TECHNOLOGY

Occupation(s): Explosives technician

Personal requirements: Scientific but practical aptitude and responsibility in view of the fact that candidate will have to work with dangerous material

Nature of work: Involved with the various aspects of the manufacture of a wide variety of explosives; may work in a laboratory testing new products, or be part of a research or development team improving manufacturing procedures or developing new products

Venue: Technikon Pretoria

Afrikaans or English medium

National Diploma: Explosives Technology

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

Entry qualification: Senior Certificate without university admission with a maxi-

imum of two LG subjects. Subjects on LG are acceptable only if not required in the programme of study

Subjects required: Mathematics and Physical Science

Selection: Academic achievement

Note: Security clarification may be needed for the second semester

Fees: First semester: R412 - R520 per subject; second semester: R422 - R564 per subject; third semester: R384 - R594 per subject

Venue: Cape Technikon

Afrikaans or English medium

National Diploma: Explosives Technology

Duration: 3 years full-time: 18 months formal training at the technikon and 18 months experiential training at an approved laboratory or plant

Entry qualification: Senior Certificate without university admission with six subjects at HG and/or SG and a D aggregate

Subjects required: Afrikaans and English (one of which must be First Language HG). Mathematics and Physical Science SG (D symbol) or HG (E symbol)

Selection: Psychometric tests, aptitude tests or personal interview

Fees: Approximately R3000 - R6000 p.a.

EXTRACTION METALLURGY

Occupation(s): Metallurgical engineering technician

Personal requirements: Mathematical aptitude, scientific interest, logical thinking, problem solving skills and self-discipline

Nature of work: Extraction metallurgy is the process by which the valuable constituents are obtained from ore

Venue: Technikon Witwatersrand

Afrikaans or English medium

National Diploma: Extraction Metallurgy

Duration: 3 years full-time (experiential training included)

Entry qualification: Senior Certificate without university admission

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

Additional requirements: A physical fitness 'Red Ticket' from the Medical Bureau is required

Selection: Merit and interviews

Note: A Pre-Technician programme is available for candidates who do not comply with the minimum entrance requirements

Fees: Approximately R480 per subject

FIRE SERVICE TECHNOLOGY

Occupation(s): Fire service technologist; Fireman

Personal requirements: Physical fitness, brave although calm, good perceptivity and able to take initiative. Acrophobia and claustrophobia are unacceptable

Nature of work: The task of the fire technologist is that of life-saving, protection of property and fire-fighting and prevention. He also deals with motor accidents and dangerous chemical spills and renders humanitarian services

Venue: Cape Technikon

Afrikaans or English medium

National Diploma: Fire Service Technology

Duration: 3 years part-time with the required in-service training at an approved institution

Entry qualification: Senior Certificate without university admission and six subjects at HG or SG

Subjects required: First language HG and Second language SG

Subjects recommended: Mathematics, Physical Science

Selection: Psychometric test, aptitude test or personal interview

Note: People without the necessary requirements may be considered on the grounds of working experience and the passing of certain tests or short courses

Fees: First year: R380 - R500 per subject per semester; second and third year: R380

per subject per semester

Venue: Technikon Pretoria; Technikon Pretoria (Nelspruit Campus); Technikon Pretoria (Witbank Campus)

Afrikaans and English medium

National Diploma: Fire Service Technology

Duration: 3 years part-time

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

Subjects recommended: Physical Science and Mathematics

Additional requirements: Candidates must be employed by or involve in an approved allied service

Selection: Admission subject to selection

Fees: First year: R450 - R490 per subject; second year: R464 per subject; third year: R474 per subject

Venue: Vaal Triangle Technikon

Afrikaans and English medium

National Diploma: Fire Brigade Technology

Duration: 3 years (experiential training included)

Entry qualification: Senior Certificate without university admission with at least 4 subjects at HG or SG

Subjects required: Both official languages HG or SG. Mathematics and Physical Science HG (E symbol) or SG (D symbol)

Selection: Point rating system and possible placement test

Fees: First semester: R2143; second semester: R2050; third semester: R2050

Venue: Port Elizabeth Technikon

Afrikaans and English medium

National Diploma: Fire Service Technology

Duration: 3 years part-time

Entry qualification: Senior Certificate without university admission (HG or SG

subjects only)

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

Additional requirements: Must be employed by a fire service department

Selection: Academic achievement

FOOD

Occupation(s): Home economist; Consumer adviser

Personal requirements: Practically orientated and the ability to maintain good interpersonal relations

Nature of work: Disposal of knowledge to individuals, families and communities for the effective utilisation of food products and work also in the field of purchasing, quality control and research of food

Venue: Cape Technikon

English or Afrikaans medium

National Diploma: Food

Duration: 3 years full-time (3 months experiential training included)

Entry qualification: Senior Certificate without university admission with six subjects at HG or SG and a D symbol aggregate

Subjects required: First and Second Language HG

Subjects recommended: Physical Science and Biology

Selection: Psychometric or aptitude test or a personal interview

Fees: Approximately R4070 p.a.

Venue: Technikon Pretoria

Afrikaans or English medium

National Diploma: Food

Duration: 3 years

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

Subjects recommended: Two of the following subjects: Physical Science, Mathematics or Biology

Additional requirements: Medical cer-

tificate if candidate is selected

Selection: Personal interview

Fees: First year: R258 - R862 per subject; second year: R264 - R642 per subject;

third year: R516 - R692 per subject

Venue: Technikon Natal

Afrikaans or English medium

National Diploma: Food

Duration: Two and a half years formal training and 6 months experiential training

Entry qualification: Senior Certificate without university admission (maximum of two LG subjects, official languages excluded and acceptable only if not required for 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: Preference to students with Biology and Physical Science

Selection: Personal interview

Fees: R4900 p.a. or R1160 per subject

FOOD AND CLOTHING TECHNOLOGY

Occupation(s): Home Economist; Consumer adviser

Personal requirements: Practically orientated, initiative and ability to maintain good interpersonal relationships

Nature of work: Disposal of knowledge to individuals, families and communities for the effective utilisation of food resources. Works also in the field of design, purchasing, quality control or textile research with regard to the clothing industry

Venue: Vaal Triangle Technikon

Afrikaans and English medium

National Diploma: Food and Clothing Technology

Duration: 3 years

Entry qualification: Senior Certificate without university admission with at least 4 subjects on HG or SG or on N3 level

Subjects required: Both official languages

at HG or SG

Selection: Point rating system and possible placement test

Fees: First year: R3693; second year: R4232; third year: R3524

Venue: Technikon OFS

Afrikaans or English medium

National Diploma: Food and Clothing Technology

Duration: 3 years full-time

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

Subjects recommended: Biology, Physical Science or Home Economics HG or SG

Selection: Academic achievement and possible personal interview

Fees: R550 per subject

Venue: Technikon Pretoria

Afrikaans and English medium

National Diploma: Food and Clothing Technology

Duration: 3 years full-time

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

Subjects recommended: Two of Physical Science, Mathematics or Biology

Additional requirements: Medical certificate if candidate is selected

Selection: Personal interview

Fees: First year: R450 - R702 per subject; second year: R514 - R1166 per subject; third year: R464 - R928 per subject

FOOD TECHNOLOGY

Occupation(s): Food technologist

Personal requirements: Ability to establish good relations, to have good interpersonal skills and willingness to improve knowledge continuously

Nature of work: Identify harmful organisms in food to determine whether these foodstuffs are fit for human consumption. Applies research results towards the improvement of food products and manufacturing processes, does quality assurance, investigates ways to implement specifications regarding hygiene, raw material, processing, packaging and product composition

Venue: M.L. Sultan Technikon

English medium

National Diploma: Food Technology

Duration: 3 years full-time: 2 years formal training and 1 year experiential training or 4 years part-time

Entry qualification: Senior Certificate without university admission (HG or SG subjects only)

Subjects required: Mathematics HG (E symbol) or SG (C symbol) and a pass in Physical Science, Biology and English (preferably all subjects on HG)

Selection: Academic achievement

Fees: R3720 p.a.

Venue: Technikon Pretoria

Afrikaans and English medium

National Diploma: Food Technology

Duration: 3 years: 2 years formal training and 1 year experiential training

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

Subjects required: Mathematics and Physical Science SG 40% but preferably HG

Subjects recommended: Biology, preferably at HG

Selection: Admission subject to selection

Fees: First semester: R450 - R526 per subject; second semester: R538 - R566 per subject; third semester: R562 - R582 per subject; fourth semester: R526 - R606 per subject; fifth and sixth semesters: R100 per semester for experiential training

Venue: Technikon Natal
Afrikaans or English medium
National Diploma: Food Technology
Duration: 3 years full-time: 2 years formal training and 1 year experiential training
Entry qualification: Senior Certificate without university admission (maximum of two LG subjects, official languages excluded and acceptable only if not required for 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 a natural science subject
Subjects recommended: Mathematics, Physical Science or Biology HG (D symbol)
Fees: R2590 per semester or R600 per subject

Venue: Peninsula Technikon
Afrikaans or English medium
National Diploma: Food Technology
Duration: 3 years: 2 years formal training and 1 year appropriate in-service training
Entry qualification: Senior Certificate without university admission
Subjects required: Biology, Mathematics and Physical Science HG (E symbol) or SG (D symbol)
Fees: Approximately R393 - R423 per subject

Venue: Cape Technikon
Afrikaans or English medium
National Diploma: Food Technology
Duration: 3 years: 2 years formal training and 1 year experiential training
Entry qualification: Senior Certificate without university admission and with six subjects (HG or SG subjects only)
Subjects required: First Language HG and Second Language SG, Physical Science HG and Mathematics SG
Selection: Psychometric or aptitude tests or a personal interview
Fees: First year: R460 - R620 per subject

per semester and second and third year:
R620 per subject per semester

Venue: Technikon Witwatersrand
Afrikaans or English medium
National Diploma: Food Technology
Duration: 3 years
Entry qualification: Senior Certificate without university admission
Subjects required: Physical Science, Mathematics and Biology HG (D symbol) or SG (C symbol)
Selection: Selection tests and personal interview
Note: Preference to candidates who have been employed in the food industry for 4 years
Fees: Approximately R580 per subject

FUEL TECHNOLOGY

Venue: Technikon SA
Afrikaans and English medium
National Diploma: Fuel Technology
Correspondence course;
Duration: 1 year for the National Certificate, 2 years for the National Higher Certificate and 3 years for the National Diploma
Entry qualification: Senior Certificate without university admission with a maximum of two subjects on LG (excluding the official languages)
Subjects recommended: Mathematics, Chemistry and Physics
Additional requirements: Must be employed in a career related to fuel technology
Note: A National Certificate is awarded after successful completion of Part I (plus the practical component) and a National Higher Certificate is awarded after successful completion of Part II (plus the practical component)
Fees: R430 per subject

GEOTECHNOLOGY

Occupation(s): Geotechnologist

Personal requirements: A love of nature and outdoor work, practical, observant and able to draw figures three-dimensionally

Nature of work: Concerned with geological and geophysical surveys in the search for new minerals and mining of mineral sediments

Venue: Technikon Pretoria

Afrikaans and English medium

National Diploma: Geotechnology

Duration: 3 years: 5 semesters formal training and 1 semester experiential training

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

Subjects required: Mathematics and Physical Science

Selection: Admission subject to selection

Fees: First semester: R412 - R692 per subject; second semester: R450 per subject; third and fourth semesters: R464 per subject; fifth semester: R100 for experiential training; sixth semester: R474 per subject

INFORMATION TECHNOLOGY

Occupation(s): Computer programmer; Systems analyst

Personal requirements: Discipline, accuracy, an aptitude for figures and logical reasoning, initiative and the ability to establish sound human relations

Nature of work: Analyses a client's information requirements in order to design a system, writes a comprehensive programme and system specifications and makes sure it is successfully implemented

Venue: Cape Technikon

Afrikaans or English medium

National Diploma: Information Tech-

nology

Duration: 3 years full-time (experiential training included) or 4 years part-time

Entry qualification: Senior Certificate without university admission with six subjects at HG of SG and a D symbol aggregate

Subjects required: First and Second Language HG plus Mathematics HG (D symbol) or SG (C symbol)

Selection: Aptitude and numeracy test

Fees: Approximately R3000 - R6000 p.a.

Venue: Technikon Witwatersrand

Afrikaans and English medium

National Diploma: Information Technology

Information Technology

Duration: 3 years

Entry qualification: Senior Certificate without university admission

Subjects required: A reasonable pass in one official language and Mathematics

Subjects recommended: One or more of the following: Accountancy, Business Economics, Computer Science, Economics or Physical Science

Selection: An aptitude test, questionnaire and personal interview

Fees: Approximately R380 per subject per semester

Venue: Technikon SA

English and Afrikaans medium

National Diploma: Information Technology

Correspondence course

Duration: 3 years

Entry qualification: Senior Certificate without university admission (maximum of two LG subjects, excluding official languages)

Subjects required: If a student wishes to register for a course in Mathematical Methods, Mathematics at Matric level is required

Fees: R390 per subject

Venue: Port Elizabeth Technikon; Port Elizabeth Technikon (East London Campus)

Afrikaans and English medium

National Diploma: Information Technology

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission (six subjects and an aggregate D symbol) and a minimum of three subjects on HG (subjects on LG are unacceptable)

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

Selection: Academic achievement

Fees: R580 - R840 per subject

Venue: Technikon Pretoria; Technikon Pretoria (Nelspruit Campus); Technikon Pretoria (Witbank Campus)

Afrikaans and English medium

National Diploma: Information Technology

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

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

Subjects required: Mathematics SG

Subjects recommended: Accounting

Selection: An aptitude test

Note: Prospective students must make an appointment for selection before the end of August

Fees: First year: R642 - R758 per subject; second year: R660 - R796 per subject; third year: R796 per subject

Venue: Technikon OFS

Afrikaans and English medium

National Diploma: Information Technology

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission with a minimum of 5 HG or SG subjects, including the official languages. A subject on LG is

acceptable only if it is not required in the programme of study

Subjects recommended: Accounting and Mathematics. Computer literacy is also a recommendation

Selection: Academic achievement

Fees: R485 per subject

Venue: Technikon Northern Transvaal
English medium

National Diploma: Information Technology

Duration: 3 years full-time

Entry qualification: Senior Certificate without university admission (E symbol aggregate)

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

Subjects recommended: Accounting

Selection: Academic achievement

Note: 1992 information

Fees: 1994: R360 per subject per semester

Venue: M.L. Sultan Technikon
English medium

National Diploma: Information Technology

Duration: 3 years full-time or part-time

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

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

Selection: Academic achievement

Fees: R3720 p.a.

Venue: Peninsula Technikon
Afrikaans or English medium

National Diploma: Information Technology

Duration: 3 years

Entry qualification: Senior Certificate without university admission with at least 4 subjects on HG

Subjects recommended: Mathematics and/or Accounting HG are strongly recommended. Language ability is a further recommendation

Selection: Subject choices, grade of subjects and an aptitude test
Fees: Approximately R500 - R552 per subject

Venue: Transkei Technikon
English medium
National Diploma: Information Technology
Duration: 3 years
Entry qualification: Senior Certificate without university admission
Subjects required: A pass in Mathematics
Selection: Admission subject to selection
Fees: R3650 p.a.

Venue: Border Technikon
English medium
National Diploma: Information Technology
Duration: 3 years full-time, experiential training included
Entry qualification: Senior Certificate without university admission
Subjects required: Mathematics and English HG or SG
Subjects recommended: Accounting
Selection: Academic achievement
Fees: 1993: First and second year: R1915 p.a.; third year: R1910

Venue: Technikon Natal
Afrikaans or English medium
National Diploma: Information Technology
Duration: 3 years full-time
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 (C symbol)

Selection: A pass in the technikon's computer aptitude test
Fees: R4680 p.a. (R1105 per subject)

Venue: Vaal Triangle Technikon
Afrikaans and English medium
National Diploma: Information Technology
Duration: 3 years
Entry qualification: Senior Certificate without university admission with at least 4 subjects on HG or SG or on N3 level
Subjects required: Mathematics, Afrikaans and English HG or SG. Another language may be offered as an alternative to Afrikaans or English
Selection: Point rating system and possible placement test
Fees: First year: R2916 p.a.; second year: R2897 p.a.; third year: R3021 p.a.

LABORATORY ANIMAL TECHNOLOGY

Occupation(s): Laboratory animal technician
Personal requirements: Must be an animal lover and willing to care for laboratory animals
Nature of work: People in possession of the Diploma, should be able to give technical assistance and research support and perform cleaning procedures, animal husbandry and administrative duties

Venue: Technikon SA
Afrikaans and English medium
National Certificate: Laboratory Animal Technology
Correspondence course;
Duration: 1 year (1 week practical evaluation)
Entry qualification: Senior Certificate without university admission with a maximum of two subjects on LG (excluding the

official languages)

Additional requirements: Written evidence of access to facilities of an approved laboratory where laboratory animals are kept

Fees: R430 per subject

Venue: Technikon SA

Afrikaans and English medium

National Diploma: Laboratory Animal Technology

Correspondence course;

Duration: 3 years (3 weeks practical evaluation)

Entry qualification: Senior Certificate without university admission with a maximum of two subjects on LG (excluding the official languages)

Additional requirements: Written evidence of access to facilities of an approved laboratory where laboratory animals are kept

Fees: R430 per subject

Venue: Technikon SA

Afrikaans and English medium

National Higher Certificate: Laboratory Animal Technology

Correspondence course;

Duration: 2 years (2 weeks practical evaluation)

Entry qualification: Senior Certificate without university admission with a maximum of two subjects on LG (excluding the official languages)

Additional requirements: Written evidence of access to facilities of an approved laboratory where laboratory animals are kept

Fees: R430 per subject

METEOROLOGY

Occupation(s): Meteorology technician

Personal requirements: Attentiveness, accuracy and ability to work independently

Nature of work: Supplier of weather forecasts to the media, shipping, aviation, etc.. Collects and compiles information by

observing temperature, atmospheric pressure, clouds, visibility etc. and sees to the maintenance of the weather equipment

Venue: Technikon Pretoria

Afrikaans and English medium

National Diploma: Meteorology

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

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

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

Additional requirements: Must be employed by the Department of Environmental Affairs, the TBVC countries or Namibia

Selection: Admission subject to selection

Fees: First formal period: R254 - R480 per subject; second period: R370 - R422 per subject; third period: R190 - R642 per subject; fourth period: R190 - R850 per subject; fifth period (for practice): R370; sixth period (for practice): R380

NATURE CONSERVATION

Occupation(s): Nature conservationist

Personal requirements: Nature-lover who is also scientifically inclined, physically fit, alert and committed

Nature of work: Responsible for the conservation and management of natural ecosystems, habitats and communities and ensures the maintenance of biotec diversity. Duties involve fencing, maintenance of buildings and equipment, culling or destroying of animals and prosecution of transgressors

Venue: Technikon Pretoria

Afrikaans and English medium

National Diploma: Nature Conservation

Duration: 3 years: 2 years formal training and 1 year appropriate experiential training

Entry qualification: Senior Certificate without university admission with a maxi-

imum of two LG subjects. LG subjects are acceptable only if not required in the programme of study

Subjects recommended: Mathematics, Physical Science, Biology and Agricultural Science

Selection: Admission subject to selection

Fees: First semester: R450 per subject; second semester: R450 - R464 per subject; third and fourth semesters: R450 - R474 per subject

Venue: Port Elizabeth Technikon

English or Afrikaans medium

National Diploma: Nature Conservation

Duration: 3 years: 2 years formal training and 1 year experiential training

Entry qualification: Senior Certificate without university admission (HG or SG subjects only)

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

Subjects recommended: Mathematics and Biology

Additional requirements: Physical fitness and health

Selection: Ability to complete the course successfully

Note: Training at the Saasveld School of Forestry, near George

Fees: R360 - R560 per subject

Venue: Mangosuthu Technikon

English medium

National Diploma: Nature Conservation

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

Entry qualification: Senior Certificate without university admission with at least an E symbol aggregate and a minimum of 5 subjects on HG or SG

Subjects required: English HG (E symbol) and a pass in Biology HG

Subjects recommended: Mathematics, Physical Science or Geography

Selection: Admission subject to selection

Note: The student's completed application form must be accompanied by a curriculum vitae dealing with interests, field

experience and hobbies as well as references for suitability for the course

Fees: R1960 per semester or R650 per subject

Venue: Cape Technikon

Afrikaans or English medium

National Diploma: Nature Conservation

Duration: 3 years: 2 years formal training and 1 year experiential training

Entry qualification: Senior Certificate without university admission with six subjects at HG or SG and a D symbol aggregate

Subjects required: First Language HG and Second Language SG

Subjects recommended: Biology

Selection: Psychometric or aptitude tests or a personal interview

Note: Applicants are to include a motivation for career choice as well as documents of relevant work experience, physical impediments or learning problems

Fees: First semester: R1825; second and third semesters: R1800; fourth semester: R1860; experiential training: R125 per semester

Venue: Technikon SA

Afrikaans and English medium

National Diploma: Nature Conservation Correspondence course;

Duration: 3 years: 2 years formal training and 1 year experiential training

Entry qualification: Senior Certificate without university admission with a maximum of two subjects on LG (excluding the official languages)

Subjects required: Biology (except for employees of nature conservation institutions)

Fees: R430 per subject

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 Design; 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

NUCLEAR TECHNOLOGY

Occupation(s): Nuclear technologist

Personal requirements: Analytical abilities and insight into the working of nature and natural laws

Nature of work: Assists the nuclear scientist in separation techniques, application of lasers to spectroscopic investigations and in the study of industrial processes through radioactive tracers etc.. May also work in the field of medical services

Venue: Technikon Pretoria
Afrikaans and English medium

National Diploma: Nuclear Technology

Duration: 3 years: 3 semesters formal training and 3 semesters appropriate experiential training

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

Subjects required: Mathematics and Physical Science

Selection: Admission subject to selection
Fees: First semester: R412 - R520 per subject; second semester: R422 - R514 per subject; third semester: R474 - R524 per subject

OCEANOGRAPHY

Occupation(s): Oceanographer

Personal requirements: Good sight, manual dexterity, a keen interest in and love of

the sea and ability to work in a team
Nature of work: Oceanography is the study of the sea and the life within it. Oceanographers measure water temperatures and examine the sea floor collecting biological samples, tagging fish and collecting sediment samples and studying oceanic currents. Some are trained divers. Analysis of the collected samples takes place in laboratories on the shore or at sea

Venue: Cape Technikon
Afrikaans or English medium
National Diploma: Oceanography
Duration: 3 years: 2 years formal training plus one year experiential training.
Entry qualification: Senior Certificate without university admission with six subjects at HG or SG and a D symbol aggregate
Subjects required: Mathematics and one other natural science subject HG (E symbol) or SG (D symbol). First Language HG and Second Language SG
Additional requirements: Candidates must have permission to do their experiential training at the Division of Sea Fisheries, Roggebaai
Selection: Psychometric or aptitude tests or a personal interview
Note: This Diploma is not offered during 1994
Fees: First semester (5 subjects): R1660 00; second semester (4 subjects): R1400; third semester (4 subjects): R1630 and fourth semester (6 subjects): R2040

PACKAGING TECHNOLOGY

Venue: Cape Technikon
Afrikaans or English medium
Certificate: Packaging Technology
Duration: 6 - 8 weeks part-time
Entry qualification: Senior Certificate without university admission or required practical experience
Additional requirements: Membership of I.P.S.A.
Selection: Psychometric testing and/or aptitude test and/or a personal interview
Note: Providing employees with a basic

knowledge of packaging principles and practice, supervisory management, food packaging, packaging graphics and materials handling. Students without a Senior Certificate will receive a Certificate issued by the Packaging Institute and not from the Technikon
Fees: Approximately R3000 - R6000 p.a.

PLASTICS TECHNOLOGY

Occupation(s): Plastics technician
Personal requirements: Observant, enquiring and patient
Nature of work: -Tests processes to produce different types of plastics known and puts them into operation while quality is controlled

Venue: Technikon Pretoria
Afrikaans or English medium
National Diploma: Plastics Technology
Duration: 3 years: 3 semesters formal training and 3 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 recommended: Physical Science and Mathematics
Selection: Academic achievement and applicable subjects
Fees: First semester: R412 - R550 per subject; second semester: R464 - R564 per subject and third semester: R474 - R574 per subject

Venue: Cape Technikon
Afrikaans or English medium
Certificate in Plastics Technology
Duration: 6 - 8 weeks part-time
Entry qualification: Senior Certificate without university admission (six subjects at HG and/or SG) or some experience in the plastics industry
Selection: Psychometric testing and/or aptitude tests and/or a personal interview
Fees: Approximately R3000 - R6000 p.a

Venue: Cape Technikon
Afrikaans or English medium
National Diploma: Plastics Technology
Duration: 3 years full-time: 18 months formal training and 18 months appropriate in-service training and/or 3 years part-time
Entry qualification: Senior Certificate without university admission and with a D symbol aggregate (six subjects at HG and/or SG)
Subjects required: First Language HG and Second Language SG; Mathematics and Physical Science HG (E symbol) - or SG (D symbol)
Selection: Psychometric testing and/or aptitude tests and/or a personal interview
Fees: Approximately R3000 - R6000 p.a.

RUBBER TECHNOLOGY

Occupation(s): Rubber technologist
Personal requirements: Self-motivated, enquiring and logical mind, leadership potential and ability to work well with other people
Nature of work: Involved in the conversion of raw rubber products, product development, development of more economic production methods, quality control and marketing

Venue: Port Elizabeth Technikon
Afrikaans and English medium
National Diploma: Rubber Technology
Duration: 3 years full-time or part-time
Entry qualification: Senior Certificate without university admission
Subjects required: Mathematics and Physical Science
Fees: R150 - R530 per subject

Venue: Technikon Pretoria
Afrikaans and English medium
National Diploma: Rubber Technology
Duration: 3 years: 6 semesters formal training
Entry qualification: Senior Certificate without university admission and subjects

on HG and/or SG (a maximum of two LG subjects are recognised, provided that these subjects are not a prerequisite for the proposed course of study)
Subjects recommended: Mathematics and Physical Science
Selection: Academic merit
Fees: First semester: R450 - R550 per subject; second semester: R450 - R564 per subject and third semester: R464 - R754 per subject

Venue: Technikon Pretoria
Afrikaans or English medium
National Certificate: Rubber Technology
Duration: 1 year - one semester formal training and one semester 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 recommended: Mathematics and Physical Science
Selection: Academic achievement
Fees: R450 - R550 per subject

TEXTILE TECHNOLOGY

Occupation(s): Textile technologist
Personal requirements: Technical skill, initiative, good judgement and artistic ability
Nature of work: Engaged in quality control, assists with technical advice, develops new processes or materials. Fabrics or yarns are finished to give them special properties such as flame resistance or waterproofing

Venue: Technikon Natal
Afrikaans or English medium
National Diploma in Textile Technology
Duration: One year and 6 months formal training and one year and 6 months experiential training
Entry qualification: Senior Certificate without university admission and with a

minimum of four HG and/or SG subjects, official languages included (a LG subject is 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: Mathematics and/or Physical Science on HG but at least SG (D symbol)

Additional requirements: 6 months prior employment in the textile industry

Fees: R2590 per semester or R600 per subject

WATER CARE

Occupation(s): Water care technician

Personal requirements: Mechanical aptitude, physical fitness and accuracy

Nature of work: Controls the purification process, reads and interprets readings to ensure a smooth running process, controls the chemicals, takes samples and repairs pumps and valves. A water care technician is employed by municipalities and other local authorities

Venue: Cape Technikon

Afrikaans or English medium

National Diploma: Water Care

Duration: 3 years part-time with the required in-service training at an approved institution

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

Subjects required: First Language HG, Second Language SG, Mathematics and at least one natural science subject HG (E symbol) or SG (D symbol)

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: Water Care

Duration: 24 months full-time and 12

months appropriate in-service training or 4 years part-time: one day per week attendance and 12 months in-service training

Entry qualification: Senior Certificate without university admission (preferably university admission), with subjects on HG or SG

Subjects required: Biology and Physical Science

Selection: Academic merit

Fees: R3720 per annum or R1860 per semester

Venue: Technikon Pretoria

Afrikaans or English medium

National Diploma: Water Care

Duration: 3 years (6 semesters) on a part-time basis, formal training as well as approved experiential training

Entry qualification: Senior Certificate without university admission (a maximum of 2 subjects on LG - subjects on LG are acceptable only if not required in the programme of study) or N3 with official languages at Senior Certificate level

Selection: Academic achievement

Fees: First semester: R450 - R490 per subject; second semester: R520 - R566 per subject; third semester: R464 per subject; fourth semester: R464 per subject; fifth semester: R474 per subject and sixth semester: R474 per subject

Venue: Technikon Northern Transvaal

English medium

National Diploma: Water Care

Duration: 6 semesters: 4 semesters full-time study at the Technikon and 2 semesters 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 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

WATER POLLUTION CONTROL

Venue: Technikon SA

Afrikaans and English medium

National Certificate in Water Pollution Control

Correspondence course;

Duration: 1 year

Entry qualification: Senior Certificate without university admission with a maximum of two subjects on LG (the two subjects on LG must exclude the official languages) or a qualification in Public Health or a related qualification

Additional requirements: Documentary proof of at least two years' relevant experience

Note: A practical assignment is required

Fees: R430 per subject

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STUDIEGELEENTHEDE
AAN UNIVERSITEITE EN TECHNIKONS

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**STUDIEGELEENTHEDE AAN
UNIVERSITEITE**

DATAMETRIE

Waar: Universiteit van Suid-Afrika
Afrikaans- of Engelsmedium
Diploma in Datametrie
Korrespondensie-kursus
Duur: 2 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating (50% in minstens 3 matriekvakke word vereis om in die eerste studiejaar vir meer as 2 kursusse te registreer)
Vakke vereis: Wiskunde HG 40% of SG 50%
Gelde: Eerste jaar: R530 per kursus; tweede jaar: R550 per kursus; derde jaar: R670 per kursus

DIETKUNDE

Beroep(e): Dieetkundige

Waar: MEDUNSA
Engelsmedium
B.Sc. (Diet.)
Duur: 4 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: 'n Slaagpunt in Wiskunde en Natuur- en Skeikunde
Keuring: Akademiese prestasie
Gelde: Eerste jaar: R5040; tweede jaar: R5015; derde jaar: R5270; vierde jaar: R3460

Waar: Universiteit van die Noorde
Engelsmedium
B.Nutrition
Duur: 4 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: Wiskunde HG (F-simbool) of SG (E-simbool) word vereis indien die volgende vakke in die kursus ingesluit word: Plantkunde, Chemie, Geologie, Fisika en Dierkunde
Bykomende vereistes: Mediese sertifikaat en getuigskrifte van goeie gedrag
Keuring: Akademiese prestasie

Gelde: Ongeveer R4790 p.j.

Waar: Universiteit van Stellenbosch
Afrikaansmedium
B.Sc. Dieetkunde
Duur: 4 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating (D-simbool gemiddeld)
Vakke vereis: Wiskunde en 'n natuurwetenskapvak HG-slaagpunt of SG (C-simbool) of Wiskunde en Natuur- en Skeikunde met minstens een op HG. Indien Wiskunde op SG geslaag is, word minstens 'n E-simbool vereis
Vakke aanbeveel: Natuur- en Skeikunde
Gelde: Ongeveer R5420 p.j.

Waar: Universiteit van Wes-Kaapland
Afrikaans- en Engelsmedium
B.Sc. (Dieetkunde)
Duur: 4 jaar: Praktykopleiding van die tweede jaar af
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: Wiskunde en Biologie of Natuur- en Skeikunde HG 40% of SG 50%
Keuring: Toelating aan keuring onderworpe
Gelde: Ongeveer R4300 p.j.

Waar: Universiteit van Pretoria
Afrikaansmedium
B.Dieetkunde
Duur: 4 jaar voltyds
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: Wiskunde en Natuur- en Skeikunde HG 50%
Keuring: Akademiese prestasie
Gelde: R5400 p.j.

Waar: Universiteit van die Oranje-Vrystaat
Afrikaansmedium
B.Sc. (Dieetkunde)
Duur: 4 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: 'n Slaagpunt in Wiskunde SG
Vakke aanbeveel: Natuur- en Skeikunde en Biologie
Keuring: Toelating is aan keuring onderworpe

Waar: Universiteit van Natal (Pietermaritzburg)
Engelsmedium
B.Sc. (Diet.)
Duur: 3 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: Wiskunde HG 40% of SG 60% en een ander natuurwetenskapvak HG 40% of SG 50%
Keuring: Akademiese prestasie
Nota: 'n Vierde studiejaar lei tot die Nagraadse Diploma in Dieetkunde
Gelde: 1993: Ongeveer R7890 p.j.. 'n Verhoging van ongeveer 10% vir 1994

HUISHOUDKUNDE

Beroep(e): Huishoudkundige

Waar: Universiteit van Pretoria
Afrikaansmedium
B.Huishoudkunde
Rigtings: Algemeen; Interieurontwerp; Kledingbemarking; Voedselbestuur
Duur: 4 jaar voltyds
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: Vir toelating tot Kledingbemarking of Interieurontwerp: Wiskunde HG 40% of SG 50%. Vir toelating tot Voedselbestuur: Wiskunde en Natuur- en Skeikunde HG 50%
Vakke aanbeveel: Natuur- en Skeikunde
Keuring: Gemiddelde persentasie behaal in St. 9
Gelde: R5490 p.j.

Waar: Universiteit van Zululand
Engelsmedium

B.Home Econ.
Duur: 4 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke aanbeveel: Wiskunde
Gelde: R4540 p.j.

Waar: PU (vir CHO)
Afrikaansmedium
B.Huishoudkunde
Rigtings: Kleding en Gesinshulpbronbestuur; Sosio-Ekonomies; Voedsel en Voeding
Duur: 4 jaar voltyds
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: Wiskunde HG of een ander natuurwetenskapvak (verkieslik Natuur- en Skeikunde) HG en Wiskunde SG. Afrikaans Eerste Taal HG (E-simbool) of Tweede Taal HG (C-simbool), andersins moet 'n kursus in Kommunikasie-Afrikaans by die Universiteit geslaag word
Vakke aanbeveel: Natuur- en Skeikunde
Bykomende vereistes: 'n Keuringstoets kan vereis word in die geval van swak akademiese prestasie
Gelde: Ongeveer R5225 p.j.

Waar: Universiteit van Wes-Kaapland
Afrikaans- en Engelsmedium
B.A. (Menslike Ekologie)
Duur: 4 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating
Vakke vereis: Ten minste 50% SG of 40% HG in een van die volgende vakke: Biologie, Fisiologie, Natuur- en Skeikunde of Wiskunde
Gelde: Ongeveer R3950 p.j.

Waar: Universiteit van Stellenbosch
Afrikaansmedium
B.Huishoudkunde
Duur: 4 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating (D-simbool gemiddeld)

Vakke vereis: Wiskunde SG of Natuur- en Skeikunde SG
Gelde: Ongeveer R4380 p.j.

Waar: Universiteit van die Oranje-Vrystaat
Afrikaansmedium
B.Sc. (Huishoudkunde)
Duur: 4 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating (D-simbool gemiddeld)
Vakke vereis: Wiskunde HG of SG 40%
Vakke aanbeveel: Biologie
Gelde: R4903 p.j.

KRYGSKUNDE

Beroep(e): Beroepe in die Weermag

Waar: Saldanha Militêre Akademie; Universiteit van Stellenbosch
Afrikaansmedium
B.Mil.
Rigtings: Bestuurswetenskappe; Geesteswetenskappe; Natuurwetenskappe
Duur: 3 jaar
Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating (D-simbool gemiddeld)
Vakke vereis: Wiskunde SG (E-simbool) vir die rigting Bestuurswetenskappe. Wiskunde HG (D-simbool) of SG (B-simbool) en Natuur- en Skeikunde HG of SG (D-simbool) vir die rigting Natuurwetenskappe
Keuring: Moet deur 'n Militêre Keurraad aanvaar word
Gelde: Ongeveer R4380 p.j.

NATUURWETENSKAPPE

Beroep(e): Wiskundige; Plantkundige; Dierkundige; Stelselontleder; Biochemikus; Bioloog; Chemikus; Entomoloog; Geoloog; Statistikus; Fisikus; Mineraloog; Aktuaris; Kartograaf; Rekenaarprogrammeerder

Waar: Universiteit van Natal(Durban)
Engelsmedium

B.Sc.

Rigtings: Algemene en Aardwetenskappe; Biologiese Wetenskappe; Fisiese Wetenskappe; Rekenaarwetenskappe; Wiskundige Wetenskappe

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde HG 40% en Natuur- en Skeikunde of Biologie HG 40% of SG 70%. Wiskunde HG 50% word vereis vir studente wat die rigtings Fisiese Wetenskappe, Wiskundige Wetenskappe of Rekenaarwetenskappe wil volg
Keuring: Akademiese prestasie
Gelde: R7890 p.j. vir 1993 en 'n styging van ten minste 10% vir 1994

Waar: Universiteit van Natal (Pietermaritzburg)

Engelsmedium

B.Sc.

Rigtings: Aardwetenskappe; Biologiese Wetenskappe; Fisiese Wetenskappe; Geesteswetenskappe; Suiwer en Toegepaste Wiskundige Wetenskappe; Toegepaste Biologiese Wetenskappe

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde en Natuur- en Skeikunde of Biologie HG 40% of SG 60%

Keuring: Akademiese prestasie

Gelde: R7890 p.j. vir 1993 en 'n styging van ten minste 10% vir 1994

Waar: Vaaldriedhoekcampus van die PU vir CHO

Afrikaansmedium

B.Sc.

Rigtings: Algemeen; Ekonomiese vakke; Geesteswetenskaplike vakke

Duur: 3 jaar voltyds of 4 jaar deelyds

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Afrikaans Eerste Taal HG (E-simbool) of Tweede Taal HG (C-simbool), andersins moet 'n kursus in Kom-

munikasie-Afrikaans geslaag word; Wiskunde HG of Wiskunde SG en 'n Natuurwetenskapvak (ver kieslik Natuur -en Skeikunde) HG. Indien 'n student vir 'n kursus in Wiskunde wil registreer word Wiskunde HG 50% of SG 60% vereis

Vakke aanbeveel: Natuur- en Skeikunde SG

Bykomende vereistes: 'n Keuringstoets kan vereis word in geval van swak matrieksimbole

Gelde: Ongeveer R5225 p.j.

Waar: Randse Afrikaanse Universiteit
Afrikaansmedium

B.Sc.

Rigtings: Aardwetenskappe; Aktuariële Wetenskap; Biologiese Wetenskappe; Finansiële Oriëntering; Fisiese Wetenskappe; Wiskundige Wetenskappe

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Afrikaans Eerste Taal HG (D-simbool) of Afrikaans Tweede Taal HG (C-simbool) of Afrikaans SG (C-simbool) en Wiskunde HG 50%. Indien 'n student vir een van die volgende kursusse wil registreer geld bykomende vereistes: Aktuariële Wetenskap: Wiskunde HG 70%; Finansiële Oriëntering: Rekeningkunde HG 60% en Wiskunde HG 50%

Keuring: Akademiese prestasie

Gelde: Ongeveer R5000 - R6000 p.j.

Waar: Universiteit van Stellenbosch
Afrikaansmedium

B.Sc.

Rigtings: Algemeen; Ingenieursvakke; Menslike Bewegingskunde

Duur: 3 jaar

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

Vakke vereis: Wiskunde en Natuur- en Skeikunde (met een op HG) OF Wiskunde HG of SG (C-simbool) en 'n natuurwetenskapvak HG of SG (C-simbool). Vir studente wat die Ingenieursvakke-rioting

wil volg, word Wiskunde HG (D-simbool) en Natuur- en Skeikunde HG of SG (C-simbool) vereis

Vakke aanbeveel: Natuur- en Skeikunde vir kursusse in Chemie en Fisika. Biologie en Natuur- en Skeikunde vir kursusse in Plantkunde en Dierkunde

Bykomende vereistes: 'n Mediese verslag moet deur voornemende Menslike Bewegingskunde studente ingedien word

Gelde: R5060 p.j.

Waar: Universiteit van Pretoria
Afrikaansmedium

B.Sc.

Rigtings: Aardwetenskappe; Biologiese Wetenskappe; Chemiese Wetenskappe; Fisiese Wetenskappe; Inligtingstegnologie; Wiskundige Wetenskappe

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

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

Keuring: Gemiddelde persentasie behaal in St. 9

Gelde: Ongeveer R5230 - R7140 p.j.

Waar: VISTA-universiteit
Afrikaans- en Engelsmedium

B.Sc.

Duur: 3 jaar

Toetreekwalifikasie: Senior sertifikaat met universiteitstoelating

Vakke vereis: Matriek Wiskunde HG (F-simbool) of SG 40% (E-simbool) of Wiskunde op eerstejaarsvlak of 'n gelykwaardige kursus op eerstejaarsvlak. Indien 'n kandidaat 'n kursus in Chemie of Fisika wil volg, word Natuur- en Skeikunde HG (F simbool) of SG 40% (E simbool) ook vereis

Nota: Vista beskik ook oor die volgende kampusse: Bloemfontein, Oos-Rand (Daveyton), Verdere Opleiding (Pretoria), Mamelodi, Port Elizabeth (Zwide), Sebokeng (Vanderbijlpark), Soweto, Welkom (Thabong). Al die kursusse word nie by elke kampus aangebied nie

Gelde: Ongeveer R2850 p.j.

Waar: Universiteit van Transkei
Engelsmedium
B.Sc.

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde HG (E-simbool) of SG (D-simbool) of 'n slaagpunt in Spesiale Wiskunde. Studente wat Wiskunde I wil neem, moet Wiskunde HG (E-simbool) of SG (C-simbool) of Wiskunde Spesiaal geslaag het (om tot Wiskunde Spesiaal toegelaat te word, moet die student ten minste Wiskunde SG (G-simbool) geslaag het)

Vakke aanbeveel: Natuur- en Skeikunde vir voornemende Chemie- en Fisika-studente. Biologie vir voornemende Plantkunde- en Dierkunde-studente

Bykomende vereistes: Getuigskrifte van goeie gedrag en 'n mediese sertifikaat

Keuring: Meriete

Gelde: Ongeveer R4260 p.j.

Waar: MEDUNSA
Engelsmedium
B.Sc.

Duur: 3 jaar voltyds of deelyds

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: 'n Slaagpunt in Wiskunde HG en Natuur- en Skeikunde of Biologie HG. Die volgende bykomende vereistes geld indien 'n student een van die volgende vakke by sy kursus wil insluit: Wiskunde Spesiaal; Wiskunde HG (E-simbool); Wiskunde I; Wiskunde HG (D-simbool) of Wiskunde Spesiaal; Chemie Spesiaal; Natuur- en Skeikunde HG (E-simbool); Chemie I; Natuur- en Skeikunde HG (D-simbool) of Chemie Spesiaal

Keuring: Akademiese meriete

Gelde: Eerste jaar: R4680; tweede jaar: R6660; derde jaar: R6210

Waar: PU (vir CHO)

Afrikaansmedium

B.Sc.

Rigtings: Algemeen; Dieetkunde; Ekonomiese vakke; Ingenieursvakke; Materiaalwetenskap

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Minimum vereistes: Afrikaans Eerste taal HG (E-simbool) of Tweede taal HG (C-simbool), andersins moet 'n kursus in Kommunikasie-Afrikaans by die Universiteit geslaag word, asook Wiskunde HG of 'n natuurwetenskaplike vak (verkieëlik Natuur- en Skeikunde) HG en Wiskunde SG. Bykomende vereistes geld indien 'n student vir een van die volgende kursusse wil registreer: Wiskunde: Wiskunde HG 50% of SG 60%; vir sommige Chemie-kursusse: Natuur- en Skeikunde

Vakke aanbeveel: Natuur- en Skeikunde SG

Bykomende vereistes: 'n Keuringstoets kan vereis word in geval van swak matriekprestasie. Studente wat 'n kursus in Menslike Bewegingskunde wil volg, moet medies geskik wees

Gelde: Ongeveer R5225 p.j.

Waar: Universiteit van Kaapstad
Engelsmedium
B.Sc.

Rigtings: Aardwetenskappe; Chemiese Wetenskappe; Fisiese Wetenskappe; Lewenswetenskappe; Wiskundige Wetenskappe

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde HG (E-simbool) of SG (A-simbool) en een natuurwetenskapvak (Natuur- en Skeikunde of Biologie of Fisiologie) HG (E-simbool) of SG (D-simbool). Indien 'n student Chemie of Fisika wil neem, word Natuur- en Skeikunde HG (E-simbool) of SG (D-simbool) ook vereis

Bykomende vereistes: Engelse taalvaardigheid

Keuring: Akademiese prestasie
Gelde: Eerste jaar: R7000; tweede en derde jaar: R7650 p.j.

Waar: Universiteit van die Oranje-Vrystaat

Afrikaansmedium

B.Sc.

Duur: 3 jaar

Toetreekwilifikasie: Senior Sertifikaat met universiteitstoelating en 'n D-simbool gemiddeld

Vakke vereis: Wiskundige Wetenskappe: Wiskunde HG (D-simbool) of SG (C-simbool) en Natuur- en Skeikunde SG. Biologiese en Aardwetenskappe: Wiskunde HG (D-simbool) of SG (C-simbool) en Natuur- en Skeikunde SG OF Wiskunde HG of SG (E-simbool) en Natuur- en Skeikunde HG (C-simbool) OF Wiskunde HG of SG (E-simbool) en Biologie HG (C-simbool) en Natuur- en Skeikunde SG

Vakke aanbeveel: Biologie

Gelde: R4903 p.j.

Waar: Randse Afrikaanse Universiteit

Afrikaansmedium

B.Sc. (Inligtingstegnologie)

Duur: 3 jaar voltyds

Toetreekwilifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Afrikaans Eerste Taal HG (D-simbool) of Afrikaans Tweede Taal HG (C-simbool) of Afrikaans SG (C-simbool) en Wiskunde HG (D simbool)

Keuring: Akademiese prestasie

Gelde: Ongeveer R5000 - R6000 p.j.

Waar: Rhodes-universiteit

Engelsmedium

B.Sc.

Duur: 3 jaar

Toetreekwilifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde HG (E-simbool) en 'n slaagpunt in Natuur- en Skeikunde of Biologie

Gelde: R7200 p.j.

Waar: Rhodes-universiteit

Engelsmedium

B.Sc. (Information Systems)

Duur: 3 jaar

Toetreekwilifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde HG (E-simbool)

Gelde: R7200 p.j.

Waar: Universiteit van Zululand

Engelsmedium

B.Sc.

Duur: 3 jaar

Toetreekwilifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde HG 40% of SG 50%

Gelde: R4540 p.j.

Waar: Universiteit van die Noorde; Uni-

versiteit van die Noorde (Qwaqwa-tak)

Engelsmedium

B.Sc.

Duur: 3 jaar

Toetreekwilifikasie: Senior Sertifikaat met universiteitstoelating

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

Bykomende vereistes: Mediese sertifikaat en getuigskrifte van goeie gedrag

Keuring: Matriekksamenuitslae

Gelde: Ongeveer R4790 p.j.

Waar: Universiteit van Venda

Engelsmedium

B.Sc.

Duur: 3 jaar

Toetreekwilifikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde, Natuur- en Skeikunde en Engels HG (E-simbool) of SG (D-simbool)

Bykomende vereistes: Getuigskrifte van goeie gedrag en 'n toelatingstoets kan moontlik vereis word

Keuring: Kandidate word gekeur

Gelde: R3240 p.j.

Waar: Universiteit van Port Elizabeth
Afrikaans- of Engelsmedium

B.Sc.

Duur: 3 jaar voltyds

Toetreekwalfikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Die minimum vereiste is Wiskunde SG. Indien 'n kandidaat vir Statistiek, Wiskunde, Toegepaste Wiskunde, Ekonomie, Rekeningkunde of Rekenaarwetenskap wil registreer, word Wiskunde SG 50% of HG 40% vereis en vir Wiskunde Spesiaal word Wiskunde SG 40% vereis

Gelde: Eerste jaar: R4905 - R5275; tweede jaar: R4795 - R4960; derde jaar: R4795 - R5210

Waar: Universiteit van Suid-Afrika
Afrikaans- en Engelsmedium

B.Sc.

Korrespondensie-kursus;

Duur: 3 jaar

Toetreekwalfikasie: Senior Sertifikaat met universiteitstoelating (50% in minstens drie matriekvakke word vereis om vir meer as twee kursusse vir die eerstejaar in te skryf)

Vakke vereis: Wiskunde HG 40% of SG 50%

Gelde: Eerste jaar: R530 per kursus; tweede jaar: R550 per kursus; derde jaar: R670 per kursus

Waar: Universiteit van Fort Hare
Engelsmedium

B.Sc.

Duur: 3 jaar voltyds

Toetreekwalfikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde SG. Indien 'n student een van die volgende vakke wil neem, geld die volgende bykomende vereistes: Wiskunde I: Wiskunde HG (E-simbool) of SG (D-simbool); Statistiek I: Wiskunde SG (E-simbool); Plantkunde, Geografie en Rekenaarstudies: Wiskunde SG (F-simbool)

Keuring: Akademiese prestasie
Gelde: R990 per kursus p.j.

Waar: Universiteit van Bophuthatswana
Engelsmedium

B.Sc.

Duur: 6 semesters voltyds

Toetreekwalfikasie: Senior Sertifikaat met universiteitstoelating of 'n goedgekeurde driejarige Onderwysdiploma en 2 jaar onderwyservaring

Vakke vereis: Wiskunde HG of Wiskunde SG (D-simbool) en een van die volgende vakke op HG: Biologie, Aardrykskunde of Natuur- en Skeikunde

Gelde: Ongeveer R425 - R510 per vak

Waar: Universiteit van Durban-Westville
Engelsmedium

B.Sc.

Duur: 3 jaar

Toetreekwalfikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde en Biologie of Natuur- en Skeikunde of Fisiologie HG of minstens 50% (D-simbool) SG. Vir sekere kursusse in Wiskunde, Rekenaarwetenskap, Chemie en Fisika word Wiskunde HG (E-simbool) of SG (C-simbool) en Biologie of Natuur- en Skeikunde of Fisiologie HG (E-simbool) of SG (D-simbool) vereis

Keuring: Kandidate word gekeur
Gelde: Ongeveer R4400 p.j.

Waar: Universiteit van die Witwatersrand
Engelsmedium

B.Sc.

Natuurwetenskappe

Rigtings: Aardwetenskappe; Biologiese en Lewenswetenskappe; Fisiese Wetenskappe; Wiskundige Wetenskappe

Duur: 3 jaar voltyds

Toetreekwalfikasie: Senior Sertifikaat met universiteitstoelating

Vakke vereis: Wiskunde HG of ten minste 60% SG. Engels HG (Eerste of Tweede Taal) of andersins moet die Engelse Taalvaardigheidstoets van die Universiteit

geslaag word

Keuring: Akademiese prestasie

Nota: Die Universiteit bied ook 'n basiese B.Sc.-oorbruggingskursus by die College of Science aan

Gelde: Ongeveer R6300 p.j.

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

Keuring: Gemiddeldepersentasie behaal in St. 9

Waar: Universiteit van Wes-Kaapland

Afrikaans- en Engelsmedium

B.Sc.

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

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

Gelde: Ongeveer R4300 - R4554 p.j.

VOEDSELWETENSKAP

Beroep(e): Voedselwetenskaplike

Waar: Universiteit van Stellenbosch

Afrikaansmedium

B.Sc. (Voedselwetenskap)

Duur: 4 jaar (2 maande verpligte vaksiewerk in 'n goedgekeurde voedselafabriek of navorsingsinrigting)

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

Vakke vereis: Wiskunde HG of SG (D-simbool) en 'n natuurwetenskapvak SG (E-simbool)

Vakke aanbeveel: Natuur- en Skeikunde

Bykomende vereistes: Diegene met 'n laer gemiddelde kan aan spesiale keuring onderwerp word

Gelde: Ongeveer R5060 p.j.

WEERKUNDE

Beroep(e): Weerkundige

Waar: Universiteit van Pretoria

Afrikaansmedium

B.Sc. (Weerkunde)

Duur: 4 jaar

Toetreekwalifikasie: Senior Sertifikaat met universiteitstoelating

**STUDIEGELEENTHEDE AAN
TECHNIKONS**

ANALITIESE CHEMIE

Beroep(e): Chemiese tegnikus

Persoonlike vereistes: 'n Belangstelling in Chemie; 'n tegniese aanvoeling; ondersoekend van geartheid en daartoe in staat om sistematies te werk en te studeer

Aard van werk: Werk gewoonlik in 'n laboratorium of in die nywerheid buite die laboratorium. Gemoeid met kwaliteitsanalise en -beheer (om intermediêre en finale produkte te toets en analisemetodes te verbeter), navorsing (meestal in 'n navorsingspan), en bemarking

Waar: Port Elizabethse Technikon

Afrikaans- en Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 2 jaar formele opleiding en 1 jaar toepaslike indiensopleiding

Toetreekwilifikasie: Senior Sertifikaat sonder universiteitstoelating en sonder enige laergraadvakke

Vakke vereis: Eerste Taal HG (E-simbool) of SG (D-simbool) en Wiskunde en Natuur- en Skeikunde HG of SG (D-simbool)

Keuring: Akademiese prestasie

Gelde: R380 - R820 per vak

Waar: Technikon Skiereiland

Afrikaans- of Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 3 jaar voltyds: 4 semesters formele opleiding en 12 maande toepaslike ervaringsopleiding

Toetreekwilifikasie: Senior Sertifikaat sonder universiteitstoelating

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

Keuring: Akademiese prestasie

Gelde: Ongeveer R393 per vak

Waar: Technikon Noord-Transvaal

Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 3 jaar voltyds (ervaringsopleiding

ingesluit)

Toetreekwilifikasie: 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 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-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 Natal

Afrikaans- of Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 3 jaar voltyds: 30 maande formele opleiding en 6 maande ervaringsopleiding

Toetreekwilifikasie: 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) asook Wiskunde en Natuur- en Skeikunde of Fisika HG (E-simbool) of SG (C-simbool)

Gelde: R2630 per semester (R610 per vak)

Waar: Kaapse Technikon

Afrikaans- of Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 3 jaar voltyds (6 maande ervaringsopleiding in 'n goedgekeurde laboratorium of aanleg)

Toetreekwilifikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke, D-simbool gemiddeld (slegs vakke op HG

en SG is aanvaarbaar)

Vakke vereis: Wiskunde en Natuur- en Skeikunde HG (E-simbool) of SG (D-simbool) asook Afrikaans en Engels waarvan een Eerste Taal HG moet wees

Keuring: Psigometriese toetsing, aanlegtoetse of persoonlike onderhoud

Gelde: Ongeveer R3000 - R6000 p.j.

Waar: Technikon Witwatersrand
Afrikaans- of Engelsmedium

Nasionale Diploma in Analitiese Chemie
Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: Eerste Taal HG (E-simbool), Tweede Taal SG (D-simbool) en Wiskunde en Natuur- en Skeikunde HG (D-simbool) of SG (C-simbool)

Bykomende vereistes: Kandidate wat nie die voorgeskrewe simbole in die verpligte vakke behaal het nie, moet 'n toelatingseksamen aflê

Gelde: Ongeveer R380 per vak per semester of ongeveer R760 per vak p.j.

Waar: Mangosuthu Technikon
Engelsmedium

Nasionale Diploma in Analitiese Chemie
Duur: 3 jaar voltyds; 2 jaar formele opleiding, 6 maande projekwerk en 6 maande ervaringsopleiding

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: Wiskunde en Natuur- en Skeikunde

Keuring: Akademiese prestasie

Gelde: R1960 per semester

Waar: M.L. Sultan Technikon
Engelsmedium

Nasionale Diploma: Analitiese Chemie
Duur: 3 jaar voltyds

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

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

kunde

Keuring: Meriete

Gelde: R3720 p.j.

Waar: Setlogelo Technikon
Engelsmedium

Pre-tegnikuskursus: Analitiese Chemie

Duur: 1 semester

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: Wiskunde, Natuur- en Skeikunde en Engels (E simbool)

Nota: Hierdie kursus word aanbeveel vir studente wat nie aan die toelatingsvereistes vir die Diploma in Analitiese Chemie voldoen nie

Gelde: R175 per vak

Waar: Technikon Pretoria

Afrikaans- of Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 3 jaar voltyds of deelyds: 5 semesters formele opleiding en 1 semester 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 en Natuur- en Skeikunde HG of ten minste 'n C-simbool SG

Keuring: Akademiese prestasie

Nota: Studente wat nie aan die toelatingsvereistes voldoen nie, kan eers die sertifikaat vir laboratoriumassistente voltooi en daarna weer om toelating aansoek doen

Gelde: Eerste semester: R412 - R520 per vak; tweede semester: R464 - R544 per vak; derde semester: R464 - R550 per vak;

vierde semester: R464 - R554 per vak; vyfde semester - ervaringsonderrig: R100;

sesde semester - projek: R440

Waar: Setlogelo Technikon
Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 3 jaar voltyds; 24 maande formele

opleiding en 12 maande toepaslike indiensopleiding

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating OF suksesvolle voltooiing van die Pre-tegniekursus

Vakke vereis: Wiskunde en Natuur- en Skeikunde HG (D-simbool) en Engels op Senior Sertifikaat-vlak

Keuring: Puntestelsel

Gelde: R175 per vak per semester

Waar: Vaaldriehoekse Technikon

Afrikaans- en Engelsmedium

Nasionale Diploma in Analitiese Chemie

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ten minste 4 vakke op HG of SG (amptelike tale ingesluit)

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

Keuring: Puntestelsel

Gelde: Eerste semester: R1857; tweede semester: R2019; derde semester: R2012; vierde semester: R1857; vyfde semester: R250

BIOTEGNOLOGIE

Beroep(e): Biotegnoloog

Persoonlike vereistes: 'n Belangstelling in die oorsprong en bewaring van lewe en begaan oor die praktiese aanwending van wetenskaplike kennis

Aard van werk: Biotegnologie is die studie van lewende organismes en die aanwending daarvan vir industriële doeleindes of ekologiese beheer. Werk in rigtings soos: navorsing en ontwikkeling, herwinning van afvalprodukte, vervaardiging of ekologiese beheer en voorligting

Waar: Technikon Witwatersrand

Afrikaans- of Engelsmedium

Nasionale Diploma: Biotegnologie

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: Wiskunde en Natuur- en

Skeikunde HG (D-simbool) of SG (C-simbool)

Vakke aanbeveel: Biologie

Keuring: Keuringstoetse, persoonlike onderhoud en 'n toelatingseksamen

Gelde: R580 per vak p.j.

Waar: Technikon Natal

Afrikaans- of Engelsmedium

Nasionale Diploma: Biotegnologie

Duur: 3 jaar: 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: Wiskunde en Biologie of Natuur- en Skeikunde. Engels Eerste Taal HG (E-simbool) of SG (D-simbool) of Engels Tweede Taal HG (C-simbool) of SG (B-simbool)

Nota: Voorkeur aan kandidate wat albei wetenskapvakke het

Gelde: R2730 per semester (R635 per vak)

Waar: M.L. Sultan Technikon

Engelsmedium

Nasionale Diploma: Biotegnologie

Duur: 3 jaar: 24 maande formele opleiding en 12 maande ervaringsopleiding

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

Vakke vereis: 'n Slaagpunt op HG in Engels, Wiskunde, Natuur- en Skeikunde en Biologie

Gelde: R3720 p.j.

Waar: Vaaldriehoekse Technikon

Afrikaans- en Engelsmedium

Nasionale Diploma in Biotegnologie

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met minstens 4 vakke op HG of SG (amptelike tale ingesluit)

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

Keuring: Puntestelsel

Gelde: R2012 per semester

BRANDSTOFTEGNOLOGIE

Beroep(e): Brandstoftegnikus

Persoonlike vereistes: Sistematies, wetenskaplik, analities, prakties, meganies en moet 'n verantwoordelikeheidsin hê

Aard van werk: Eksplorieer, onttrek en verfyn ru-olie en vervaardig en bemark brandstof en ander petroleumprodukte

Waar: Technikon SA

Afrikaans- en Engelsmedium

Nasionale Diploma: Brandstoftegnologie
Korrespondensie-kursus;

Duur: 1 jaar vir die Nasionale Sertifikaat, 2 jaar vir die Nasionale Hoër Sertifikaat en 3 jaar vir die Nasionale Diploma

Toetreekwilifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van 2 vakke op LG (die amptelike tale mag nie op LG wees nie)

Vakke aanbeveel: Wiskunde, Chemie en Fisika

Bykomende vereistes: Moet in 'n beroep staan wat verband hou met brandstoftegnologie

Nota: 'n Nasionale Sertifikaat word na suksesvolle voltooiing van Deel I (plus die praktiese deel) toegeken en 'n Nasionale Hoër Sertifikaat word na suksesvolle voltooiing van Deel II (plus die praktiese deel) toegeken

Gelde: R430 per vak

BRANDWEERTEGNOLOGIE

Beroep(e): Brandweertegnoloog; Brandweerman

Persoonlike vereistes: Fisiese fiksheid, dapperheid, 'n kalm geaardheid en die vermoë om leiding te neem. Hoogte- en engtevrees is onaanvaarbaar

Aard van werk: Doen lewensredding, brandbestryding en -voorkoming en bes-

kerm eiendom. Verleen hulp by motorongelukke (waar gevaarlike chemiese middels soms mors) en lewer algemene gemeenskapsdiens

Waar: Kaapse Technikon

Afrikaans- of Engelsmedium

Nasionale Diploma: Brandweertegnologie

Duur: 3 jaar deelyds met toepaslike indiensopleiding by 'n goedgekeurde instansie

Toetreekwilifikasie: Senior Sertifikaat sonder universiteitstoelating en met ses vakke op HG of SG

Vakke vereis: Eerste Taal HG en Tweede Taal SG

Vakke aanbeveel: Wiskunde, Natuur- en Skeikunde

Keuring: Psigometriese of aanlegtoetse of 'n persoonlike onderhoud

Nota: Persone wat nie aan die nodige toelatingsvereistes voldoen nie, mag oorweeg word op grond van werkservaring of die slaag van sekere kursusse en 'n taalvaardigheidstoets

Gelde: Eerste jaar: R380 - R500 per vak per semester; tweede en derde jaar: R380 per vak per semester

Waar: Technikon Pretoria; Technikon Pretoria (Nelspruit-kampus); Technikon Pretoria (Witbank-kampus)

Afrikaans- of Engelsmedium

Nasionale Diploma: Brandweertegnologie

Duur: 3 jaar deelyds

Toetreekwilifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee LG-vakke. Vakke op LG is slegs aanvaarbaar indien dit nie in die onderrigprogram vereis word nie

Vakke aanbeveel: Natuur- en Skeikunde en Wiskunde

Bykomende vereistes: Voornemende studente moet betrokke wees by 'n goedgekeurde aanverwante diens

Keuring: Toelating aan keuring onderworpe

Gelde: Eerste jaar: R450 - R490 per vak; tweede jaar: R464 per vak; derde jaar: R474 per vak

Waar: Vaaldriehoekse Technikon
Afrikaans- en Engelsmedium
Nasionale Diploma: Brandweertegnologie
Duur: 3 jaar (ervaringsopleiding ingesluit)
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating met minstens
4 vakke op HG of SG
Vakke vereis: Albei amptelike tale HG of
SG. Wiskunde en Natuur- en Skeikunde
HG (E-simbool) of SG (D-simbool)
Keuring: Puntstelsel en 'n moontlike
plasingstoets
Gelde: Eerste semester: R2143; tweede
semester: R2050; derde semester: R2050

Waar: Port Elizabethse Technikon
Afrikaans- en Engelsmedium
Nasionale Diploma: Brandweertegnologie
Duur: 3 jaar deelyds
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating (slegs HG- of
SG-vakke)
Vakke vereis: Eerste Taal HG (E-simbool)
of SG (D-simbool)
Bykomende vereistes: Moet in diens van
'n brandweerdepartement wees
Keuring: Akademiese prestasie

EKSTRAKSIEMETALLURGIE

Beroep(e): Metallurgiese ingenieurste-
gnikus
Persoonlike vereistes: Wiskundige aanleg,
'n belangstelling in natuurwetenskappe,
logiese denke, vermoë om probleme op te
los en selfdissipline
Aard van werk: Onttrekking van metale
en minerale uit die grond of erts massa op
die mees ekonomiese wyse

Waar: Technikon Witwatersrand
Afrikaans- of Engelsmedium
Nasionale Diploma: Ekstraksiemetallur-
gie
Duur: 3 jaar voltyds (ervaringsopleiding
ingesluit)
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating
Vakke vereis: Natuur- en Skeikunde en

Wiskunde HG (D-simbool) of SG (C-sim-
bool)
Bykomende vereistes: 'n 'Rooi kaart' van
liggaamlike geskiktheid van die Mediese
Buro word ook vereis
Keuring: Meriete en onderhoude
Nota: 'n Pre-tegnisiprogram word aan-
gebied vir persone wat nie aan die nodige
toelatingsvereistes voldoen nie
Gelde: Ongeveer R480 per vak

GEOTEGNOLOGIE

Beroep(e): Geotegnoloog
Persoonlike vereistes: 'n Liefde vir die
natuur en buitelewe, prakties, opletend en
die vermoë om figure drie-dimensioneel te
teken
Aard van werk: Doen geologiese en
geofisiese opnames in die soeke na nuwe
minerale en myn minerale neerslae

Waar: Technikon Pretoria
Afrikaans- en Engelsmedium
Nasionale Diploma: Geotegnologie
Duur: 3 jaar: 5 semesters formele oplei-
ding en 1 semester ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating met 'n mak-
simum van twee LG-vakke. Vakke op LG
is slegs aanvaarbaar indien dit nie in die
onderrigprogram vereis word nie
Vakke vereis: Wiskunde en Natuur- en
Skeikunde
Keuring: Toelating aan keuring onder-
worpe
Gelde: Eerste semester: R412 - R692 per
vak; tweede semester: R450 per vak; derde
en vierde semester: R464 per vak; vyfde
semester: R100 vir ervaringsonderrig;
sesde semester: R474 per vak

INLIGTINGSTEGNOLOGIE

Beroep(e): Rekenaarprogrammeerder;
Stelselontleder
Persoonlike vereistes: Gedissiplineerd,
akkuraat, syfervaardigheid, logiese denke,
inisiatief en die vermoë om goeie men-

severhoudinge te handhaaf

Aard van werk: Ontleed 'n gebruiker se inligtingsvereistes met die doel om 'n sisteem te ontwerp, skryf 'n uitgebreide program en stelselspesifikasies en sien toe dat dit suksesvol geïmplimenteer word

Waar: Technikon SA

Engels- en Afrikaansmedium

Nasionale Diploma: Inligtingstegnologie

Korrespondensie

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (maksimum van twee LG-vakke, amptelike tale uitgesluit)

Vakke vereis: Indien 'n student vir 'n kursus in Wiskundige Metodes wil registreer, word Wiskunde op matriekvlak vereis

Gelde: R390 per vak

Waar: Technikon Pretoria; Technikon

Pretoria (Nelspruit-kampus); Technikon

Pretoria (Witbank-kampus)

Afrikaans- en Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar voltyds of 4 jaar deelyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee laergraadvakke. Vakke op LG is slegs aanvaarbaar indien dit nie in die onderrigprogram vereis word nie

Vakke vereis: Wiskunde SG

Vakke aanbeveel: Rekeningkunde

Keuring: 'n Aanlegtoets

Nota: Voornemende studente moet voor die einde van Augustus 'n afspraak maak vir keuring

Gelde: Eerste jaar: R642 - R758 per vak;

tweede jaar: R660 - R796 per vak; derde

jaar: R796 per vak

Waar: Technikon Witwatersrand

Afrikaans en Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: 'n Redelike slaagpunt in een amptelike taal en Wiskunde

Vakke aanbeveel: Een of meer van die volgende vakke: Rekeningkunde, Bedryfs- ekonomie, Rekenaarwetenskap, Ekonomie en Natuur- en Skeikunde

Keuring: 'n Aanlegtoets, vraelys en persoonlike onderhoud

Gelde: Ongeveer R380 per vak per semester

Waar: Technikon OVS

Afrikaans- en Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n minimum van 5 vakke op HG of SG, wat die amptelike tale insluit. 'n Vak op LG is slegs aanvaarbaar indien dit nie 'n vereiste vir die onderrigprogram is nie

Vakke aanbeveel: Rekeningkunde en Wiskunde. Rekenaargeletterdheid is ook 'n aanbeveling

Keuring: Akademiese prestasie

Gelde: R485 per vak

Waar: Technikon Natal

Afrikaans- of Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar voltyds

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 (C-simbool)

Keuring: 'n Slaagpunt in die Technikon se rekenaaraanlegtoets

Gelde: R4680 p.j. (R1105 per vak)

Waar: Technikon Noord-Transvaal
Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (E-simbool gemiddeld)

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

Vakke aanbeveel: Rekeningkunde

Keuring: Akademiese prestasie

Nota: 1992-inligting

Gelde: 1994: R360 per vak per semester

Waar: Border Technikon

Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar voltyds, ervaringsopleiding ingesluit

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: Wiskunde en Engels HG of SG

Vakke aanbeveel: Rekeningkunde

Keuring: Akademiese prestasie

Gelde: 1993: Eerste en tweede jaar: R1915 p.j.; derde jaar: R1910

Waar: Vaaldriehoekse Technikon

Afrikaans- en Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met minstens 4 vakke op HG of SG of op N3-vlak

Vakke vereis: Wiskunde, Afrikaans en Engels HG of SG. Afrikaans mag deur 'n ander taal vervang word

Keuring: Puntestelsel en moontlike plasingstoets

Gelde: Eerste jaar: R2916; tweede jaar: R2897; derde jaar: R3021

Waar: M.L. Sultan Technikon

Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar voltyds of deelyds

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

Vakke vereis: Wiskunde HG (E-simbool)

of SG (D-simbool)

Keuring: Akademiese prestasie

Gelde: R3720 p.j.

Waar: Technikon Skiereiland

Afrikaans- of Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ten minste 4 vakke op HG

Vakke aanbeveel: Wiskunde en/of Rekeningkunde HG word sterk aanbeveel.

Taalvaardigheid is 'n verdere aanbeveling

Keuring: Vakkeuse, graad van vakke en 'n aanlegtoets

Gelde: Ongeveer R500 - R552 per vak

Waar: Port Elizabethse Technikon; Port Elizabethse Technikon (Oos-Londen-kampus)

Afrikaans- en Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (ses vakke en 'n D-simbool gemiddeld) met 'n minimum van drie vakke op HG (LG-vakke is onaanvaarbaar)

Vakke vereis: Eerste Taal HG (D-simbool) of SG (E-simbool)

Keuring: Akademiese prestasie

Gelde: R580 - R840 per vak

Waar: Transkei Technikon

Engelsmedium

Nasionale Diploma: Inligtingstegnologie

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: 'n Slaagpunt in Wiskunde

Keuring: Toelating is aan keuring onderworpe

Gelde: R3650 p.j.

Waar: Kaapse Technikon
Afrikaans- of Engelsmedium
Nasionale Diploma: Inligtingstechnologie
Duur: 3 jaar voltyds (ervaringsopleiding ingesluit) of 4 jaar deelyds
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke op HG of SG en met 'n D-simbool gemiddeld

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

Keuring: Aanleg- en numeriese toetse

Gelde: Ongeveer R3000 - R6000 p.j.

KERAMIEKTEGNOLOGIE

Beroep(e): Keramiektegnoloog

Persoonlike vereistes: Wetenskaplik ingestel, innoverend, kreatief, goeie waarnemingsvermoë

Aard van werk: Die werk is laboratoriumgerig en behels die wetenskaplike proses vir die maak van teëls, stene, porselein, vuurvaste produkte, glas ens.

Waar: Technikon Pretoria
Afrikaans- of Engelsmedium
Nasionale Diploma: Keramiektegnologie
Duur: 3 jaar: 3 semesters formele opleiding en 3 semesters 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 aanbeveel: Natuur- en Skeikunde en Wiskunde

Keuring: Akademiese prestasie

Gelde: Eerste semester: 4 vakke @ R450 per vak; tweede semester: 8 vakke @ R464 per vak; derde semester: R464 - R474 per vak;

KERNTEGNOLOGIE

Beroep(e): Kerntegnoloog

Persoonlike vereistes: Analitiesvermoëns en insig in die werking van die natuur en

natuurwette

Aard van werk: Ondersteun die kernwetenskaplike in skeidingstegniese, aanwending van lasers in spektroskopiese ondersoeke en in die bestudering van industriële prosesse d.m.v. radioaktiewe opsporings ens.. Kan ook in die veld van geneeskundige dienste werk

Waar: Technikon Pretoria
Afrikaans- en Engelsmedium

Nasionale Diploma: Kerntegnologie

Duur: 3 jaar voltyds: 3 semesters formele opleiding en 3 semesters toepaslike ervaringsopleiding

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

Vakke vereis: Wiskunde en Natuur- en Skeikunde

Keuring: Toelating aan keuring onderworpe

Gelde: Eerste semester R412 - R520 per vak; tweede semester R422 - R514 per vak; derde semester R474 - R542 per vak

LABORATORIUMDIERTEGNOLOGIE

Beroep(e): Laboratoriumdiertegnikus

Persoonlike vereistes: Moet daarvan hou om met diere te werk

Aard van werk: Die persoon wat die Diploma verwerf het, moet instaat wees om skoonmaakprosedures, diereversorging en administratiewe pligte uit te voer sowel as om tegniese en navorsingsbystand te verleen

Waar: Technikon SA
Afrikaans- en Engelsmedium

Nasionale Diploma: Laboratoriumdiertegnologie

Korrespondensie-kursus;

Duur: 3 jaar (3 weke praktiese evaluering)

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van 2 vakke op LG (die amptelike

tale mag nie op LG wees nie)
Bykomende vereistes: Geskrewe bewys van toegang tot die fasiliteite van 'n goedgekeurde proefdierlaboratorium
Gelde: R430 per vak

Waar: Technikon SA
Afrikaans- en Engelsmedium
Nasionale Hoër Sertifikaat: **Laboratoriumdiertegnologie**
Korrespondensie-kursus;
Duur: 2 jaar (2 weke praktiese evaluasie)
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van 2 vakke op LG (die amptelike tale mag nie op LG wees nie)
Bykomende vereistes: Geskrewe bewys van toegang tot die fasiliteite van 'n goedgekeurde proefdierlaboratorium
Gelde: R430 per vak

Waar: Technikon SA
Afrikaans- en Engelsmedium
Nasionale Sertifikaat: **Laboratoriumdiertegnologie**
Korrespondensie-kursus;
Duur: 1 jaar (1 week praktiese evaluering)
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van 2 vakke op LG (die amptelike tale mag nie op LG wees nie)
Bykomende vereistes: Geskrewe bewys van toegang tot die fasiliteite van 'n goedgekeurde proefdierlaboratorium
Gelde: R430 per vak

LUGBESOEDELINGSBEHEER

Waar: Technikon SA
Afrikaans- en Engelsmedium
Nasionale Sertifikaat: **Lugbesoedlingsbeheer**
Korrespondensie-kursus;
Duur: 1 jaar
Toetreekwalifikasie: 'n Kwalifikasie in Openbare Gesondheid OF 'n ander toepaslike van gelykwaardige kwalifikasie OF 'n Senior Sertifikaat met dokumentêre bewys van minstens 2 jaar toepaslike ondervin-

ding
Keuring: Keuringstoets
Nota: Praktiese sessies is verpligtend
Gelde: R350 per vak

NATUURBEWARING

Beroep(e): Natuurbewaarder
Persoonlike vereistes: 'n Natuurliefhebber wat wetenskaplik ingestel, fisies fiks, oplettend en toegewyd is
Aard van werk: Verantwoordelik vir die bewaring en bestuur van natuurlike ekosisteme, habitat en gemeenskappe en verseker die handhawing van die natuurlike verskeidenheid van lewe. Pligte behels omheining, onderhoud van geboue en apparaat, uitdunning van diere en die vervolging van oortreders

Waar: Technikon SA
Afrikaans- en Engelsmedium
Nasionale Diploma: **Natuurbewaring**
Korrespondensie-kursus;
Duur: 3 jaar: 2 jaar formele opleiding en 1 jaar ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van 2 vakke op LG (die amptelike tale mag nie op LG wees nie)
Vakke vereis: Biologie (behalwe vir werknemers van natuurbewaringsinstansies)
Gelde: R430 per vak

Waar: Port Elizabeth Technikon
Engels- of Afrikaansmedium
Nasionale Diploma: **Natuurbewaring**
Duur: 3 jaar: 2 jaar formele opleiding en 1 jaar ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (slegs HG of SG vakke)
Vakke vereis: Eerste Taal HG (E-simbool) of SG (D-simbool)
Vakke aanbeveel: Wiskunde en Biologie
Bykomende vereistes: Liggaamlike gesondheid en fiksheid
Keuring: Vermoë om die kursus suksesvol te voltooi
Nota: Opleiding by die Saasveldse Skool

vir Bosbou, naby George
Gelde: R360 - R560 per vak

Waar: Technikon Pretoria
Afrikaans- en Engelsmedium
Nasionale Diploma: Natuurbewaring
Duur: 3 jaar: 2 jaar formele opleiding en 1 jaar toepaslike ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee LG-vakke. Vakke op LG is slegs aanvaarbaar indien dit nie in die onderrigprogram vereis word nie
Vakke aanbeveel: Wiskunde, Natuur- en Skeikunde, Biologie en Landbouwetenskap
Keuring: Toelating aan keuring onderworpe
Gelde: Eerste semester: R450 per vak; tweede semester: R450 - R464 per vak; derde en vierde semesters: R450 - R474 per vak

Waar: Mangosuthu Technikon
Engelsmedium
Nasionale Diploma: Natuurbewaring
Duur: 3 jaar voltyds: 24 maande formele opleiding en 12 maande toepaslike ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met minstens 'n E-simbool gemiddeld en minstens 5 vakke op HG of SG
Vakke vereis: Engels HG (E-simbool) en 'n slaagpunt in Biologie HG
Vakke aanbeveel: Wiskunde, Natuur- en Skeikunde of Aardrykskunde
Keuring: Toelating aan keuring onderworpe
Nota: Die voltooide aansoekvorm moet vergesel wees van 'n Curriculum Vitae met inligting oor die belangstellings, stokperdjies en veldervarings van die kandidaat, sowel as verwysings vir geskiktheid vir die kursus
Gelde: R1960 per semester of R650 per vak

Waar: Kaapse Technikon
Afrikaans- of Engelsmedium

Nasionale Diploma: Natuurbewaring
Duur: 3 jaar: 2 jaar formele opleiding en 1 jaar ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke en 'n D-simbool gemiddeld (slegs HG- of SG-vakke)
Vakke vereis: Eerste Taal HG en Tweede Taal SG
Vakke aanbeveel: Biologie
Keuring: Psigometriese of aanlegtoetse of 'n persoonlike onderhoud
Nota: Kandidate moet 'n motivering vir die keuse van beroep by die aansoekvorm insluit, asook bewyse van toepaslike werkservaring, fisiese gebreke of leerprobleme
Gelde: Eerste semester R1825; tweede en derde semesters R1800; vierde semester R1860; ervaringsopleiding R125 per semester

NIE-GERIGTE PROGRAMME

Waar: Technikon SA
Afrikaans- en Engelsmedium
Sertifikaatprogram
Korrespondensie-kursus
Rigtings: Aankoopbestuur; Baangrasbestuur; Bemaking; Besigheidsbelasting & Regswese; Drukkerybestuur; Eiendoms-wese; Intern ouditkunde; Kleinhandel-sakebestuur; Landskapontwerp; Maatskappy-administrasie; Method- & Time Measurement; Munisipale Administrasie; Nywerheidsverhoudinge; Openbare Bestuur & Administrasie; Owerheidsfinansies; Personeelbestuur; Plaaslike Owerheidsfinansies; Plant- en Plaagbeheer; Planteteelt; Plantkunde; Produksiebestuur; Registrasie van Aktes; Rekeningkunde; Sakestudies; Staatsrekening & Finansies; Binnelandse Inkomste; Stedelike Omgewingsbestuur; Tuinbou; Tuinboubestuur; Tuinboumeganisasie; Tuinboupraktyk; Veiligheidsbestuur; Verpakkingsbestuur; Werkstudie: Fabrieke; Werkstudie: Kantore; Werkstudie: Staatsdiens
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 studierigting nie, kan vakke vanuit verskillende diplomas kies en na selfevaluering van hul vordering, 'n rigting kies, met behoud van krediet vir toepaslike vakke. Die sertifikaatprogramme dien as toetreeroete tot 'n nasionale diploma, met volwaardige vak-krediete

Gelde: R390 per vak

Waar: Technikon SA
Afrikaans- en Engelsmedium
Hoër Sertifikaatprogram

Korrespondensie-kursus

Rigtings: Munisipale Administrasie; Openbare 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 bestaande diplomastudente nie. Studente wat nog nie sekerheid het oor hulle studierigting 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 kursusse dien as 'n toetreeroete tot 'n nasionale diploma, met volwaardige vak-krediete

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: Akademiese meriete

Gelde: R1200 per semester

Waar: Port Elizabethse Technikon
Afrikaans- en Engelsmedium
Pre-tegniese Kursus

Rigtings: Analitiese Chemie, Siviele Ingenieurswese, Elektriese Ingenieurswese, Omgewingsgesondheid, Bedryfsingenieurswese, Meganiese Ingenieurswese, Biomediese 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

Tersiëre Oorbruggingskursus

Duur: 1 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating

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

Keuring: Akademiese meriete

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

Gelde: R1660

OMGEWINGSGESONDHEID

Beroep(e): Omgewingsgesondheidsbeampte
Persoonlike vereistes: Vermoë om taktvol en diplomaties met mense op alle vlakke te kommunikeer en goeie menseverhoudinge te handhaaf

Aard van werk: Behels aspekte soos gesondheidsvoorligting aan die publiek, identifisering en beheer van omgewings-besoedeling en die toepassing van gesondheidswetgewing in alle gevalle wat die mens en sy omgewing raak

Waar: Technikon OVS

Afrikaans- of Engelsmedium

Nasionale Diploma: Omgewings-gesondheid

Duur: 3 jaar voltyds

Toetreekwalfikasie: 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: Twee van die volgende vakke SG of HG (D-simbool): Biologie, Natuur- en Skeikunde, Wiskunde, Aardrykskunde

Keuring: Akademiese prestasie en persoonlike onderhoud indien nodig

Gelde: R550 per vak

Waar: Kaapse Technikon

Afrikaans- of Engelsmedium

Nasionale Diploma: Omgewingsgesondheid

Duur: 3 jaar voltyds

Toetreekwalfikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke op HG en/of SG en 'n D-simbool gemiddeld

Vakke vereis: Eerste Taal HG en Tweede Taal SG. Een of meer van die volgende vakke word ook vereis: Biologie, Wiskunde, Fisiologie, Natuur- en Skeikunde, Aardrykskunde

Keuring: Psigometiese toetse, aanlegtoetse of persoonlike onderhoud

Gelde: Eerste en tweede jaar: R3550 p.j.; derde jaar: R3600

Waar: Technikon Pretoria

Afrikaans- of Engelsmedium

Nasionale Diploma: Omgewingsgesondheid

Duur: 3 jaar: 2 jaar en 9 maande formele opleiding en 3 maande kooperatiewe opleiding

Toetreekwalfikasie: 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: Natuur- en Skeikunde en Wiskunde

Keuring: Persoonlike onderhoud en psigo-

metriese toets

Nota: Verpligte registrasie by die SA Mediese en Tandheelkundige Raad

Gelde: Eerste jaar: R490 - R566 per vak; tweede jaar: 5 vakke @ R542 per vak; derde jaar: 5 vakke @ R556 per vak

Waar: Technikon Natal

Afrikaans- of Engelsmedium

Nasionale Diploma: Omgewingsgesondheid

Duur: 3 jaar voltyds

Toetreekwalfikasie: 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) plus twee van die volgende vakke: Wiskunde, Natuur- en Skeikunde, Fisiologie, Biologie, Aardrykskunde HG (E-simbool) of SG (D-simbool)

Keuring: Puntestelsel

Gelde: Eerste en tweede jaar: R4680 p.j. (R1105 per vak); derde jaar: R4980 (R1180 per vak)

Waar: Mangosuthu Technikon

Engelsmedium

Nasionale Diploma: Omgewingsgesondheid

Duur: 3 jaar voltyds

Toetreekwalfikasie: Senior Sertifikaat sonder universiteitstoelating

Vakke vereis: Engels, Wiskunde en Natuur- en Skeikunde HG (E-simbool) of SG (D-simbool) (Kandidate met Biologie, Fisiologie of Aardrykskunde in die plek van Wiskunde of Natuur- en Skeikunde mag moontlik oorweeg word)

Keuring: Kandidate word gekeur

Gelde: R2120 per semester

Waar: Technikon Witwatersrand

Afrikaans- of Engelsmedium

**Nasionale Diploma: Omgewings-
gesondheid**

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating

Vakke vereis: Ten minste twee van die
volgende vakke HG (D-simbool) of SG (C-
simbool): Biologie, Natuur- en Skeikunde,
Wiskunde, Aardrykskunde

Vakke aanbeveel: Biologie, Natuur- en
Skeikunde, Wiskunde, Aardrykskunde

Keuring: Keuringstoetse en persoonlike
onderhoud

Gelde: R630 per vak p.j.

Waar: Technikon Noord-Transvaal
Engelsmedium

**Nasionale Diploma: Omgewings-
gesondheid**

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating (E-simbool
gemiddeld)

Vakke vereis: Engels, Biologie, Natuur-
en Skeikunde of Wiskunde (almal op HG)

Vakke aanbeveel: Aardrykskunde of
Landbou

Keuring: Aanlegtoetse

Nota: 1993-inligting

Gelde: 1994: R360 per vak per semester

Waar: M.L. Sultan Technikon
Engelsmedium

**Nasionale Diploma: Omgewings-
gesondheid**

Duur: 3 jaar voltyds

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

Vakke vereis: Wiskunde

Vakke aanbeveel: Biologie, Aardryks-
kunde of Natuur- en Skeikunde

Keuring: Meriete

Gelde: R3720 p.j.

Waar: Port Elizabethse Technikon
Afrikaans- en Engelsmedium

Nasionale Diploma: Omgewings-

gesondheid

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating en sonder
enige laergraadvakke

Vakke vereis: Eerste Taal HG (E-simbool)
of SG (D-simbool) en goeie punte in
Natuur- en Skeikunde, Wiskunde en Bio-
logie

Keuring: Akademiese prestasie

Gelde: R845 per vak

Waar: Technikon Skiereiland
Afrikaans- of Engelsmedium

**Nasionale Diploma: Omgewings-
gesondheid**

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating

Vakke aanbeveel: Voorkeur word verleen
aan studente met Wiskunde en/of Natuur-
en Skeikunde. Vakke soos Biologie en
Aardrykskunde word ook ernstig oorweeg

Keuring: Akademiese prestasie

Gelde: Ongeveer R423 per vak

OSEANOGRAFIE

Beroep(e): Oseanograaf

Persoonlike vereistes: Goeie sig, hand-
vaardigheid, 'n belangstelling in en liefde
vir die see en vermoë om in 'n span te
werk

Aard van werk: Oseanografie is die studie
van die see en die lewe daarin. Oseano-
grawe meet watertemperatuur en bestudeer
die bodem van die see om biologiese mon-
sters te versamel, visse te merk, neerslag-
monsters te neem en oseaangetye te bes-
tudeer. Sommige is opgeleide duikers. 'n
Ontleding van monsters wat versamel is,
vind in laboratoriums aan land of op see
plaas

Waar: Kaapse Technikon
Afrikaans- of Engelsmedium

Nasionale Diploma: Oseanografie

Duur: 3 jaar: 2 jaar formele opleiding en
een jaar ervaringsopleiding

Toetreekwalifikasie: Senior Sertifikaat

sonder universiteitstoelating met ses vakke op HG of SG en 'n D-simbool gemiddeld Vakke vereis: Wiskunde en een ander natuurwetenskaplike vak HG (E-simbool) of SG (D-simbool). Eerste Taal HG en Tweede Taal SG

Bykomende vereistes: Kandidaat moet toestemming hê om hulle ervaringsopleiding by die Afdeling Seevisserye, Roggebaai, te doen

Keuring: Psigometriese of aanlegtoets of 'n persoonlike onderhoud

Nota: Hierdie kursus word nie in 1994 aangebied nie

Gelde: Eerste semester (5 vakke): R1660; tweede semester (4 vakke): R1400; derde semester (4 vakke): R1630 en vierde semester (6 vakke): R2040

PLASTIEKTEGNOLOGIE

Beroep(e): Plastiektegnoloog

Persoonlike vereistes: Oplettend, ondersoekend en geduldig

Aard van werk: Toets prosesse om verskillende tipes bekende plastiek te produseer en kontroleer kwaliteit

Waar: Kaapse Technikon

Afrikaans- of Engelsmedium

Nasionale Diploma: Plastiektegnologie

Duur: 3 jaar voltydse of 18 maande formele opleiding en/of 18 maande toepaslike indienopleiding en/of 3 jaar deelydse

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n D-simbool gemiddeld (ses vakke op HG en/of SG)

Vakke vereis: Eerste Taal HG en Tweede Taal SG, Wiskunde en Natuur- en Skeikunde HG (E-simbool) of SG (D-simbool)

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

Gelde: Ongeveer R3000 - R6000 p.j.

Waar: Technikon Pretoria

Afrikaans- of Engelsmedium

Nasionale Diploma: Plastiektegnologie

Duur: 3 jaar, 3 semesters formele opleiding

ding en 3 semesters ervaringsonderrig

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

Vakke aanbeveel: Natuur- en Skeikunde en Wiskunde

Keuring: Akademiese prestasie en toepaslike vakke

Gelde: Eerste semester: R412 - R550 per vak; tweede semester: R464 - R564 per vak en derde semester: R474 - R574 per vak

Waar: Kaapse Technikon

Afrikaans- of Engelsmedium

Sertifikaat in Plastiektegnologie

Duur: 6 tot 8 weke deelydse

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (ses vakke op HG en/of SG) of genoegsame ervaring in die plastieknywerheid

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

Gelde: Ongeveer R3000 - R6000 p.j.

PLOFSTOFTEGNOLOGIE

Beroep(e): Plofstoftegnikus

Persoonlike vereistes: 'n Wetenskaplike, maar met 'n praktiese instelling en verantwoordelik in die sin dat kandidaat met gevaarlike materiaal moet werk

Aard van werk: Gemoeid met verskeie aspekte van die vervaardiging van 'n wye reeks plofstowwe, mag werksaam wees in 'n laboratorium en toets uitvoer op grondstowwe en vervaardigde produkte of 'n lid wees van 'n navorsing- of ontwikkelingspan wat vervaardigingsmetodes verbeter of nuwe produkte ontwikkel

Waar: Technikon Pretoria

Afrikaans- of Engelsmedium

Nasionale Diploma: Plofstoftegnologie

Duur: 3 jaar voltydse of 18 maande formele opleiding en 18 maande toepaslike indienopleiding

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 en Natuur- en Skeikunde
Keuring: Akademiese prestasie
Nota: Sekerheidsklaring mag 'n vereiste wees vir toelating tot die tweede semester
Gelde: Eerste semester: R412 - R520 per vak; tweede semester: R422 - R564 per vak; derde semester: R384 - R594 per vak

Waar: Kaapse Technikon
Afrikaans- of Engelsmedium
Nasionale Diploma: Plofstoftegnologie
Duur: 3 jaar voltyds (ervaringsopleiding by 'n goedgekeurde aanleg of laboratorium)
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke op HG en/of SG en 'n D-simbool gemiddeld
Vakke vereis: Engels en Afrikaans met die Eerste Taal op HG. Wiskunde en Natuur- en Skeikunde SG (D-simbool) of HG (E-simbool)
Keuring: Psigometriese toetse, aanleg-toetse of persoonlike onderhoud
Gelde: Ongeveer R3000 - R6000 p.j.

REKENAARSTELSELS

Beroep(e): Rekenaarstelselstegnikus
Persoonlike vereistes: Goeie oogkontak en kleursensitiwiteit, vermoë om te kommunikeer, handvaardigheid en goeie hand-oog-koördinasie
Aard van werk: Verantwoordelik vir die installering, onderhoud en herstel van rekenaars

Waar: Technikon Pretoria
Afrikaans- of Engelsmedium
Nasionale Diploma: Rekenaarstelsels
Duur: 3 jaar voltyds; 4 semesters formele opleiding en 2 semesters 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: Natuur- en Skeikunde en Wiskunde HG 50% of SG 60%
Keuring: Keuringstoets
Gelde: Eerste semester: R194 - R462 per vak; tweede semester: R386 - R472 per vak; derde semester: R434 - R484 per vak; vierde semester: R398 - R746 per vak

Waar: Vaaldriehoekse Technikon
Afrikaans- en Engelsmedium
Nasionale Diploma: Rekenaarstelsels
Duur: 3 jaar voltyds
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ten minste 4 vakke op HG of SG (amptelike tale ingesluit)
Vakke vereis: Wiskunde HG of SG
Vakke aanbeveel: Natuur- en Skeikunde en Rekenaarwetenskap
Keuring: Puntestelsel
Gelde: Eerste semester: R2297; tweede semester: R2209; derde semester: R2109; vierde semester: R1790

Waar: M.L. Sultan Technikon
Engelsmedium
Nasionale Diploma: Rekenaarstelsels
Duur: 3 jaar voltyds; 2 jaar formele opleiding en 1 jaar indiensopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met vakke op HG of SG
Vakke vereis: Wiskunde HG (E-simbool) of SG (D-simbool)
Vakke aanbeveel: Natuur- en Skeikunde
Keuring: Meriete
Gelde: R1860 per semester

Waar: Setlogelo Technikon
Engelsmedium
Nasionale Diploma: Rekenaarstelsels
Duur: 3 jaar; 2 jaar formele opleiding en 1 jaar indiensopleiding
Toetreekwalifikasie: Senior Sertifikaat

sonder universiteitstoelating (E-simbool)
Vakke vereis: Wiskunde HG (E-simbool)
of SG (D-simbool)
Vakke aanbeveel: Engels, Ekonomie,
Rekeningkunde
Keuring: Puntestelsel
Gelde: R175 per vak per semester

Waar: Kaapse Technikon
Afrikaans of Engelsmedium
Nasionale Diploma: Rekenaarstelsels
Duur: 3 jaar: 2 jaar formele opleiding en
1 jaar ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating met ses vakke
op HG en/of SG
Vakke vereis: Afrikaans en Engels: Eerste
Taal HG en Tweede Taal SG. Wiskunde
en Natuur- en Skeikunde HG (E-simbool)
of SG (D-simbool) OF N4-Wiskunde en 'n
ander verwante ingenieursvak soos N4-
Elektrotegniek, N4-Digitale Elektronika of
N4-Ingenieurswetenskap
Keuring: Akademiese prestasie. Kandidate
word ook aan psigometriese en aanleg-
evaluering, taalvaardigheidtoetse, ens.,
onderwerp
Gelde: Ongeveer R3000 - R6000 p.j.

REKENAARSTELSELS: INGENIEURSWESE

Waar: Technikon OVS
Afrikaans- of Engelsmedium
Nasionale Diploma: Rekenaarstelsels
(Ingenieurswese)
Duur: 3 jaar: twee jaar formele opleiding
en een jaar ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating met 'n mini-
mum van 5 vakke op HG en/of SG, ampte-
like tale ingesluit. 'n Vak op LG is slegs
toelaatbaar indien dit nie in die onderrig-
program vereis word nie
Vakke vereis: Wiskunde en Natuur- en
Skeikunde HG of SG
Keuring: Akademiese prestasie en per-
soonlike onderhoud indien nodig
Gelde: R160 - R315 per vak

RUBBERTEGNOLOGIE

Beroep(e): Rubbertegnoloog
Persoonlike vereistes: Selfgemotiveerd,
ondersoekende en logiese denke, leierspo-
tensiaal en vermoë om goed met ander
mense oor die weg te kom
Aard van werk: Betrokke by die omskake-
ling van rou rubberprodukte, produkont-
wikkeling, ontwikkeling van meer ekono-
miese produksiemetodes, kwaliteitskontrole
en bemaking

Waar: Technikon Pretoria
Afrikaans- en Engelsmedium
Nasionale Diploma: Rubbertegnologie
Duur: 3 jaar: 6 semesters formele onderrig
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating met vakke op
HG en/of SG (2 LG-vakke is slegs toelaat-
baar indien dit nie in die program van
studie vereis word nie)
Vakke aanbeveel: Wiskunde en Natuur-
en Skeikunde
Keuring: Akademiese prestasie
Gelde: Eerste semester: R450 - R550 per
vak; tweede semester: R450 - R564 per
vak en derde semester: R464 - R754 per
vak

Waar: Technikon Pretoria
Afrikaans- of Engelsmedium
Nasionale Sertifikaat: Rubbertegnologie
Duur: 1 jaar - een semester formele oplei-
ding en een semester ervaringsonderrig
Toetreekwalifikasie: Senior Sertifikaat
sonder universiteitstoelating (maksimum
van 2 vakke op LG - slegs aanvaarbaar
indien dit nie in die program van studie
vereis word nie)
Vakke aanbeveel: Wiskunde en Natuur-
en Skeikunde
Keuring: Akademiese prestasie
Gelde: R450 - R550 per vak

Waar: Port Elizabethse Technikon
Afrikaans- en Engelsmedium
Nasionale Diploma: Rubbertegnologie
Duur: 3 jaar voltyds of deelyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating
Vakke vereis: Wiskunde en Natuur- en Skeikunde
Gelde: R150 - R530 per vak

SKOONHEIDSTEGNOLOGIE

Beroep(e): Skoonheidstegnoloog
Persoonlike vereistes: Geniet dit om fisies met mense te werk, taktvol, sensitief, simpatiek, respekvol en goed versorg
Aard van werk: Van die take is bv. masering; elektroterapie; hidroterapie; voorligting i.v.m. dieet; manikuur en pedikuur; gesigs- en liggaamsbehandelings

Waar: Kaapse Technikon
Afrikaans- of Engelsmedium
Nasionale Diploma: Skoonheidstegnologie
Duur: 3 jaar voltyds
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke op HG en/of SG en 'n D-simbool gemiddeld
Vakke vereis: Eerste Taal HG en Tweede Taal SG en Biologie of Fisiologie 55% gemiddeld
Vakke aanbeveel: Natuur- en Skeikunde
Bykomende vereistes: 'n Mediese sertifikaat
Keuring: Persoonlike onderhoud
Gelde: Eerste jaar: ongeveer R6720; tweede jaar: ongeveer R5785; derde jaar: ongeveer R3960

Waar: Technikon Pretoria
Afrikaans- of Engelsmedium
Nasionale Diploma: Skoonheidstegnologie
Duur: 3 jaar voltyds
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: Biologie HG (E-simbool) of SG (D-simbool)
Vakke aanbeveel: Natuur- en Skeikunde
Bykomende vereistes: Mediese sertifikaat

Keuring: Akademiese prestasie en persoonlike onderhoud
Nota: Kursus is beperk tot vroulike studente
Gelde: Eerste jaar: R502 - R952 per vak; tweede jaar: R502 - R516 per vak; derde jaar: R516 - R528 per vak

Waar: Technikon OVS
Afrikaans- of Engelsmedium
Nasionale Diploma: Skoonheidstegnologie
Duur: 3 jaar voltyds
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 aanbeveel: Biologie en/of Kuns SG
Keuring: Akademiese prestasie en persoonlike onderhoud indien nodig
Gelde: R550 per vak

Waar: Technikon Natal
Afrikaans- of Engelsmedium
Nasionale Diploma: Skoonheidstegnologie
Duur: 3 jaar voltyds
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: Natuur- en Skeikunde en Biologie
Bykomende vereistes: 'n Mediese sertifikaat
Keuring: Moontlike onderhoude
Gelde: Eerste jaar: R5280 (R1255 per vak); tweede jaar: R4930 (R1170 per vak); derde jaar: R5580 (R1330 per vak)

Waar: Technikon Witwatersrand
Afrikaans- of Engelsmedium

Nasionale Diploma: Skoonheidstechnologie
Duur: 3 jaar voltyds
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating
Vakke aanbeveel: Biologie, Natuur- en Skeikunde, Bedryfsekonomie
Keuring: Keuringstoets en persoonlike onderhoud
Gelde: R630 per vak p.j.

TEKSTIELTEGNOLOGIE

Beroep(e): Tekstielteknoloog
Persoonlike vereistes: Tegniese vermoëns, inisiatief, goeie oordeel en kunstig
Aard van werk: Betrokke by kwaliteitskontrole, gee tegniese advies, ontwikkel nuwe prosesse of materiale. Materiale word afgewerk om spesiale eienskappe soos hittebestandheid en waterdigtheid te verkry

Waar: Technikon Natal
Afrikaans- of Engelsmedium
Nasionale Diploma in Tekstieltegnologie
Duur: Een jaar en 6 maande formele opleiding en een jaar en 6 maande ervaringsonderrig
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n minimum van vier vakke op HG en/of SG, amptelike tale ingesluit ('n LG-vak is slegs aanvaarbaar indien dit nie in die program van studie vereis word)
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 en/of Natuur- en Skeikunde HG of SG (D-simbool)
Bykomende vereistes: 6 maande ervaring in 'n tekstielindustrie
Gelde: R2590 per semester of R600 per vak

VERPAKKINGSTEGNOLOGIE

Waar: Kaapse Technikon

Afrikaans- of Engelsmedium
Sertifikaat: Verpakkingstechnologie
Duur: 6 - 8 weke deelyds
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating of voldoende ervaring in die verpakkingnywerheid
Bykomende vereistes: Lidmaatskap van I.P.S.A.
Keuring: Psigometriese toetsing en/of aanlegtoets en/of 'n persoonlike onderhoud
Nota: Die kursus verskaf basiese kennis i.v.m. verpakkingbeginsels en praktyk, toetsing, voedselverpakking, verpakking van grafika en materiaalhantering. Diegene sonder 'n Senior Sertifikaat, word na voltooiing van die kursus met 'n Sertifikaat van die Verpakkingsinstituut (nie van die Technikon nie) uitgereik
Gelde: Ongeveer R3000 - R6000 p.j.

VOEDSEL

Beroep(e): Huishoudkundige; Verbruikersvoorigter
Persoonlike vereistes: Prakties georiënteerd, inisiatief en vermoë om goeie interpersoonlike verhoudings te handhaaf
Aard van werk: Gee voorligting aan individue, gesinne en gemeenskappe sodat produkte effektief benut kan word. Lewer ook 'n bydrae tot die industrie t.o.v. aankope, kwaliteitskontrole en navorsing m.b.t. voedsel

Waar: Kaapse Technikon
Afrikaans- en Engelsmedium
Nasionale Diploma: Voedsel
Duur: 3 jaar voltyds (ervaringsopleiding ingesluit)
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke op HG of SG en 'n D-simbool gemiddeld
Vakke vereis: Eerste en Tweede Taal HG
Vakke aanbeveel: Natuur- en Skeikunde en Biologie
Keuring: Psigometriese of aanlegtoets of 'n persoonlike onderhoud
Gelde: Ongeveer R4070 p.j.

Waar: Technikon Natal
Afrikaans- of Engelsmedium
Nasionale Diploma: Voedsel

Duur: Twee en 'n half jaar formele opleiding en 6 maande ervaringsopleiding

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (maksimum van twee LG-vakke, amptelike tale uitgesluit en slegs aanvaarbaar indien dit nie 'n vereiste vir die onderrigprogram is 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: Voorkeur aan studente met Biologie en Natuur- en Skeikunde

Keuring: Persoonlike onderhoud

Gelde: R4900 p.j. of R1160 per vak

Waar: Technikon Pretoria
Afrikaans- en Engelsmedium
Nasionale Diploma: Voedsel

Duur: 3 jaar voltyds

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

Vakke aanbeveel: Twee van die volgende vakke: Wetenskap, Wiskunde of Biologie

Bykomende vereistes: 'n Mediese sertifikaat indien kandidaat gekeur word

Keuring: Persoonlike onderhoud

Gelde: Eerste jaar: R258 - R862 per vak;

tweede jaar: R264 - R642 per vak; derde

jaar: R516 - R692 per vak

VOEDSEL- EN KLEDINGTEGNOLOGIE

Beroep(e): Huishoudkundige; Verbruikers-voorligter

Persoonlike vereistes: Prakties georiënteerd, inisiatief en vermoë om goeie interpersoonlike verhoudings te handhaaf

Aard van werk: Gee voorligting aan individue, gesinne en gemeenskappe sodat produkte effektief benut kan word en lewer 'n bydrae tot die klere-industrie t.o.v.

ontwerp, aankope, kwaliteitskontrole en navorsing

Waar: Technikon Pretoria
Afrikaans- en Engelsmedium

Nasionale Diploma: Voedsel- en Kleding-tegnologie

Duur: 3 jaar voltyds

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

Vakke aanbeveel: Twee van Natuur- en Skeikunde, Wiskunde of Biologie

Bykomende vereistes: 'n Mediese sertifikaat indien kandidaat gekeur word

Keuring: Persoonlike onderhoud

Gelde: Eerste jaar: R450 - R702 per vak;

tweede jaar: R514 - R1166 per vak; derde

jaar: R464 - R928 per vak

Waar: Vaaldriehoekse Technikon
Afrikaans- en Engelsmedium

Nasionale Diploma: Voedsel- en Kleding-tegnologie

Duur: 3 jaar

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met minstens 4 vakke op HG of SG of op N3-vlak

Vakke vereis: Albei amptelike tale op HG of SG

Keuring: Puntestelsel en moontlike plasingstoets

Gelde: Eerste jaar: R3693; tweede jaar:

R4232; derde jaar: R3524

Waar: Technikon OVS
Afrikaans- of Engelsmedium

Nasionale Diploma: Voedsel- en Kleding-tegnologie

Duur: 3 jaar voltyds

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n minimum van 5 vakke op HG of SG, wat die amptelike tale insluit. 'n Vak op LG is slegs aanvaarbaar indien dit nie 'n vereiste vir die onderrigprogram is nie

Vakke aanbeveel: Biologie, Natuur- en

Skeikunde of Huishoudkunde HG of SG
Keuring: Akademiese prestasie en moontlike persoonlike onderhoud
Gelde: R550 per vak

VOEDSELTEGNOLOGIE

Beroep(e): Voedseltegnoloog
Persoonlike vereistes: Goeie interpersoonlike verhoudings en bereidheid om kennis voortdurend te verbeter

Aard van werk: Identifiseer mikroörganismes in voedsel om te bepaal of dit skadelik is. Sien toe dat voedselprodukte en -vervaardigingsproesse verbeter word, doen kwaliteitsversekering, ondersoek maniere om spesifikasies t.o.v. higiëne, rou materiaal, prosessering, verpakking en produk-samestelling te implementeer

Waar: Technikon Pretoria
Afrikaans- en Engelsmedium
Nasionale Diploma: Voedseltegnologie
Duur: 3 jaar: 2 jaar formele opleiding en 1 jaar toepaslike ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee LG-vakke. Vakke op LG is slegs aanvaarbaar indien dit nie in die onderrigprogram vereis word nie
Vakke vereis: Wiskunde en Natuur- en Skeikunde SG 40%, maar verkieslik op HG
Vakke aanbeveel: Biologie, verkieslik op HG
Keuring: Toelating is aan keuring onderworpe
Gelde: Eerste semester: R450 - R526 per vak; tweede semester: R538 - R566 per vak; derde semester: R562 - R582 per vak; vierde semester: R526 - R606 per vak; vyfde en sesde semesters: R100 per semester vir prakties

Waar: Technikon Natal
Afrikaans- of Engelsmedium
Nasionale Diploma: Voedseltegnologie
Duur: 3 jaar voltyds: 2 jaar formele opleiding en 1 jaar ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat

sonder universiteitstoelating (maksimum van twee LG-vakke, amptelike tale uitgesluit en slegs aanvaarbaar indien dit nie 'n vereiste vir die onderrigprogram is nie)
Vakke vereis: 'n Natuurwetenskapvak en Engels Eerste Taal HG (E-simbool) of SG (D-simbool) of Engels Tweede Taal HG (C-simbool) of SG (B-simbool)
Vakke aanbeveel: Wiskunde, Natuur- en Skeikunde of Biologie HG (D-simbool)
Gelde: R2590 p.j. of R600 per vak

Waar: M.L. Sultan Technikon
Engelsmedium
Nasionale Diploma: Voedseltegnologie
Duur: 3 jaar voltyds: 2 jaar formele opleiding en 1 jaar toepaslike indiensopleiding of 4 jaar deelyds
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (slegs HG- of SG-vakke)
Vakke vereis: Wiskunde HG (E-simbool) of SG (C-simbool) en Wiskunde, Natuur- en Skeikunde en Biologie (verkieslik almal op HG)
Keuring: Akademiese prestasie
Gelde: R3720 p.j.

Waar: Technikon Skiereiland
Afrikaans- of Engelsmedium
Nasionale Diploma: Voedseltegnologie
Duur: 3 jaar: 2 jaar formele opleiding en 1 jaar toepaslike ervaringsopleiding
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating
Vakke vereis: Wiskunde, Biologie en Natuur- en Skeikunde HG (E-simbool) of SG (D-simbool)
Gelde: Ongeveer R393 - R423 per vak

Waar: Technikon Witwatersrand
Afrikaans- of Engelsmedium
Nasionale Diploma: Voedseltegnologie
Duur: 3 jaar
Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating
Vakke vereis: Natuur- en Skeikunde, Wiskunde en Biologie HG (D-simbool) of

SG (C-simbool)

Keuring: Keuringstoetse en persoonlike onderhoud. Kandidate met vier jaar onder-vinding in die voedselindustrie sal voor-keur geniet

Gelde: Ongeveer R580 per vak

Waar: Kaapse Technikon
Afrikaans- of Engelsmedium

Nasionale Diploma: Voedseltegnologie

Duur: 3 jaar: 2 jaar formele opleiding en 1 jaar toepaslike ervaringsopleiding

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met ses vakke op HG of SG en 'n D-simbool gemiddeld
Vakke vereis: Eerste Taal HG en Tweede Taal SG. Natuur- en Skeikunde HG en Wiskunde

Keuring: Psigometriese of aanlegtoetse of 'n persoonlike onderhoud

Gelde: Eerste jaar: R460 - R620 per vak per semester; tweede en derde jaar: R620 per vak per semester

WATERBESOEDELINGS- BEHEER

Waar: Technikon SA
Afrikaans- en Engelsmedium

**Nasionale Sertifikaat in Waterbesoede-
lingsbeheer**

Korrespondensie-kursus;

Duur: 1 jaar

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee LG-vakke (die LG-vakke moet die twee amptelike tale uitsluit) of 'n kwalifikasie in Openbare Gesondheid of 'n verwante kwalifikasie

Bykomende vereistes: Dokumentêre bewys van ten minste twee jaar toepaslike ondervinding

Nota: 'n Praktiese taak word vereis

Gelde: R430 per vak

WATERVERSORGING

Beroep(e): Waterversorgingstegnikus

Persoonlike vereistes: Meganiese vermoëns, fisiese fiksheid en akkuraatheid

Aard van werk: Beheer die suiweringsproses, lees en interpreteer meterlesings om 'n egalige vloei-proses te verseker, beheer die chemikalieë, neem monsters, herstel pompe en kleppe. 'n Waterversorgingstegnikus word deur munisipaliteite en ander plaaslike instansies in diens geneem

Waar: M.L. Sultan Technikon
Engelsmedium

Nasionale Diploma: Waterversorging

Duur: 24 maande voltyds en 12 maande toepaslike indiensopleiding of 4 jaar deelttyds: een dag per week bywoning en 12 maande indiensopleiding

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating (verkieslik met universiteitstoelating) met vakke op HG en/of SG

Vakke vereis: Biologie en Natuur- en Skeikunde

Keuring: Akademiese meriete

Gelde: R3720 per jaar of R1860 per semester

Waar: Technikon Noord-Transvaal
Engelsmedium

Nasionale Diploma: Waterversorging

Duur: 6 semesters: 4 semesters voltyds by die Technikon en 2 semesters ervaringsopleiding 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-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: Technikon Pretoria

Afrikaans- of Engelsmedium

Nasionale Diploma: Waterversorging

Duur: 3 jaar op 'n deelydse basis, formele opleiding sowel as goedgekeurde indiensopleiding

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating ('n maksimum van 2 vakke op LG - vakke op LG is slegs toelaatbaar indien dit nie in die onderrig-program vereis word nie) of N3 met amptelike tale op Senior Sertifikaatvlak

Keuring: Akademiese prestasie

Gelde: Eerste semester: R450 - R490 per vak; tweede semester: R520 - R566 per vak; derde semester: R464 per vak; vierde semester: R464 per vak; vyfde semester: R474 per vak en sesde semester: R474 per vak

Waar: Kaapse Technikon

Afrikaans- of Engelsmedium

Nasionale Diploma: Waterversorging

Duur: 3 jaar deelydse met toepaslike indiensopleiding by 'n goedgekeurde instansie

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n D-simbool gemiddeld (ses vakke op HG en/of SG)

Vakke vereis: Eerste Taal HG, Tweede Taal SG, Wiskunde, asook minstens een natuurwetenskaplike vak op HG (E-simbool) of SG (D-simbool)

Keuring: Psigometriese toetsing en/of aanlegtoets en/of 'n persoonlike onderhoud
Gelde: Ongeveer R3000 - R6000 p.j.

WEERKUNDE

Beroep(e): Weerkundige tegnikus

Persoonlike vereistes: Oplettendheid, akkuraatheid en vermoë om onafhanklik te werk

Aard van werk: Verskaf weervoorspel-

lings aan die media, lug- en skeepvaart, ens.. Inligting i.v.m. temperature, atmosferiese druk, wo'ke, sigbaarheid ens. moet noukeurig versamel en saamgestel word en die weerkundige apparaat moet instand gehou word

Waar: Technikon Pretoria

Afrikaans- en Engelsmedium

Nasionale Diploma: Weerkunde

Duur: 3 jaar voltyds; 2 jaar formele opleiding en 1 jaar toepaslike ervaringsopleiding

Toetreekwalifikasie: Senior Sertifikaat sonder universiteitstoelating met 'n maksimum van twee LG-vakke. Vakke op LG is slegs aanvaarbaar indien dit nie in die onderrig-program vereis word nie
Vakke vereis: Wiskunde en Natuur- en Skeikunde HG 40% of SG 50%

Bykomende vereistes: Slegs studente in diens van die Departement van Omgewingsake, die weerdienste van die TBVC-lande en Namibië word aanvaar

Keuring: Toelating aan keuring onderworpe

Gelde: Eerste bywoning: R254 - R480 per vak; tweede bywoning: R370 - R422 per vak; derde bywoning: R190 - R642 per vak; vierde bywoning: R190 - R850 per vak; vyfde bywoning: R370 en sesde bywoning R380 vir prakties

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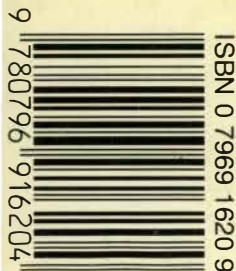
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