



# Faculty of Natural and Agricultural Sciences



## SUBJECT GROUPS

### ZOOLOGY

The study of the interactions of animals with their environment.

### BOTANY

The study of plants ranging from unicellular algae to flowering plants.

### MICROBIOLOGY

The study of cellular organisms including archaea, bacteria, fungi and protists and acellular entities such as viruses.

### GEOLOGY AND SOIL SCIENCE

The study of earth matter and related processes.

### GEOGRAPHY

The study of the patterns, processes and interactions of human and physical landscapes, and the management of human activities to ensure environmental sustainability.

### COMPUTER SCIENCE AND INFORMATION SYSTEMS

The study of computers, algorithms and information processing.

### STATISTICS

The study of numerical datasets and the interpretation thereof.

### MATHEMATICS AND APPLIED MATHEMATICS

The study of numbers, quantities and space.

### CHEMISTRY

The study of the properties and interactions of matter.

### PHYSICS

The study of natural laws.

### BIOCHEMISTRY

The study of the chemical basis of living phenomena.

### AGRICULTURE

The cultivation and breeding of animals, plants and fungi for products used to sustain and enhance life.

### URBAN AND REGIONAL PLANNING

The planning of cities and regions.

### FINANCIAL MATHEMATICS

A field of applied mathematics, concerned with mathematical modeling of financial markets.

### BUSINESS ANALYTICS

The process of discovering patterns in large data sets involving methods at the intersection of machine learning, statistics, and database systems.

### QUANTITATIVE RISK MANAGEMENT

Represents the discipline which deals with the ability of an organisation to quantify and manage its risk.

### ACTUARIAL SCIENCE

A discipline that deals with assessing the risks in the insurance and finance fields using various mathematical and statistical methods.



## DIPLOMAS

### DURATION: 3 YEARS

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#### QUALIFICATIONS

Diploma in Animal Science (MC)

Diploma in Plant Science (with Crop Production) (MC)

#### ADMISSION REQUIREMENTS

English Level 3 (40-49%)

Physical Science OR Life Science Level 3 (40-49%)  
OR Agricultural Science Level 4 (50-59%)

Mathematics Level 3 (40-49%) OR Technical Maths Level 4 (50-59%)  
OR Mathematical Literacy Level 5 (60-69%)

APS: 22

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#### QUALIFICATION

Diploma in Animal Health (MC)

#### ADMISSION REQUIREMENTS

English Level 3 (40-49%)

Physical Science OR Life Science Level 3 (40-49%)

Mathematics Level 3 (40-49%) OR Technical Maths Level 4 (50-59%)

APS: 22

#### TAKE NOTE:

Programmes marked with the following indicate the campus/campuses on which the programme is presented:  
(MC) = Mahikeng | (PC) = Potchefstroom | (VC) = Vanderbijlpark



## BSC DEGREES

**DURATION: 3 YEARS**

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### QUALIFICATIONS

Chemistry & Physics (PC/MC)  
Physics & Mathematics (MC/PC)  
Physics & Applied Mathematics (MC/PC)  
Physics & Computer Science (MC/PC)  
Computer Science & Statistics (PC/VC)  
Computer Science & Mathematics (MC/PC/VC)  
Geography & Applied Mathematics (PC)  
Applied Mathematics & Chemistry (MC/PC)  
Chemistry & Mathematics (MC/PC)  
Applied Mathematics & Electronics (MC)  
Electronics & Mathematics (MC)  
Electronics & Physics (MC)  
Chemistry & Computer Science (MC)  
Computer Science & Electronics (MC)

\*Biochemistry & Chemistry (MC/PC)

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### ADMISSION REQUIREMENTS

Physical Science Level 4 (50-59%)  
Mathematics Level 5 (60-69%); Programmes marked with a \* have a Mathematics requirement of Level 4 (50-59%) OR Technical Maths Level 5 (60-69%)  
APS: 26

#### TAKE NOTE:

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A green circle with a white border, containing the text 'BSC DEGREES'.

## BSC DEGREES

**DURATION: 3 YEARS**

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### QUALIFICATIONS

Computer Science & Economics (PC/VC)  
Mathematics & Economy (PC/VC)

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### ADMISSION REQUIREMENTS

Mathematics Level 5 (60-69%)  
APS:26

#### TAKE NOTE:

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**BSc in  
MATHEMATICAL  
SCIENCES**

**DURATION: 3 YEARS**

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**QUALIFICATIONS**

Statistics & Mathematics (PC/VC)

Mathematics (PC)

Applied Mathematics & Mathematics (MC)

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**ADMISSION REQUIREMENTS**

Physical Science Level 4 (50-59%)

Mathematics Level 5 (60-69%)

APS: 26

**TAKE NOTE:**

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**BSc in  
BIOLOGICAL  
SCIENCES**

**DURATION: 3 YEARS**

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**QUALIFICATIONS**

- Microbiology & Biochemistry (MC/PC)
- Microbiology & Botany (MC/PC)
- Botany & Biochemistry (MC/PC)
- Zoology & Botany (PC)
- Zoology & Microbiology (PC)
- Microbiology & Physiology (PC)
- Zoology & Biochemistry (PC)
- Chemistry & Physiology (PC)
- Zoology & Physiology (PC)

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**ADMISSION REQUIREMENTS**

- Mathematics Level 4 (50-59%)
- OR Technical Maths Level 5 (60-69%)
- Physical Science Level 4 (50-59%)
- APS: 26

**TAKE NOTE:**

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**BSc in  
ENVIRONMENTAL  
SCIENCES**

**DURATION: 3 YEARS**

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**QUALIFICATIONS**

Geology & Geography (PC)  
Geology & Botany (PC)  
Zoology & Geography (PC)  
Zoology & Geology (PC)  
Geology & Microbiology (PC)  
Tourism & Zoology (PC)  
Tourism & Geography (PC)  
Tourism & Botany (PC)  
Zoology & Chemistry (PC)  
Chemistry & Geology (PC)  
Geography & Botany (MC/PC)  
Geography & Computer Science (MC/PC)  
Botany & Chemistry (MC/PC)  
Chemistry & Microbiology (MC/PC)

**ADMISSION REQUIREMENTS**

Mathematics Level 4  
(50-59%) OR  
Technical Maths Level 5  
(60-69%)  
Physical Science Level 4  
(50-59%)  
APS: 26

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**QUALIFICATION**

Chemistry & Geography (MC)

**ADMISSION REQUIREMENTS**

Mathematics Level 5 (60-69%)  
Physical Science Level 4 (50-59%)  
APS: 26

**TAKE NOTE:**

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**BSc in  
INFORMATION  
TECHNOLOGY**

**DURATION: 3 YEARS**

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**QUALIFICATION**

Information Technology (PC/VC/Distance Learning)

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**ADMISSION REQUIREMENTS**

Mathematics Level 4 (50-59%)

OR Technical Maths Level 5 (60-69%)

APS: 26

**TAKE NOTE:**

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**BUSINESS  
MATHEMATICS  
AND  
INFORMATICS**

**DURATION: 3 YEARS**

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**QUALIFICATIONS**

BSc in Financial Mathematics (PC/VC)  
BSc in Quantitative Risk Management (PC/VC)  
BSc in Business Analytics (PC/VC)  
BSc in Actuarial Science (PC)

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**ADMISSION REQUIREMENTS**

Mathematics Level 6 (70% and higher)  
APS: 32

**TAKE NOTE:**

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**BSc in  
AGRICULTURE**

**DURATION: 4 YEARS**

**QUALIFICATIONS**

Agricultural Economics (MC)  
Animal Science (MC)  
Agronomy & Horticulture (MC)  
Animal Health (MC)

**REQUIREMENTS**

English Level 4 (50-59%)  
Mathematics Level 4 (50-59%) OR Technical Maths Level 5 (60-69%)  
Physical Science OR Life Science Level 4 (50-59%)  
APS: 26

**QUALIFICATIONS**

Agronomy and Agricultural Economics (PC)  
Agronomy and Soil Science (PC)

**REQUIREMENTS**

English Level 4 (50-59%)  
Mathematics Level 4 (50-59%) OR Technical Maths Level 5 (60-69%)  
Physical Science Level 4 (50-59%)  
APS: 26

**TAKE NOTE:**

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## URBAN AND REGIONAL PLANNING

**DURATION: 4 YEARS**

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### QUALIFICATION

BSc in Urban and Regional Planning (PC)

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### ADMISSION REQUIREMENTS

Mathematics Level 4 (50-59%) OR Technical Maths Level 5 (60-69%)

APS: 28

Selection Test

### TAKE NOTE:

- This programme is offered on the Potchefstroom Campus only.
- A maximum of 35 students are accepted annually.
- Applications close on 30 June annually.
- Late applications will be considered on merit if space is available.

The NWU admissions office will contact students regarding the selection test.

For more information contact Urban & Regional Planning at:  
018 299 2486.

### TAKE NOTE:

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## INDIGENOUS KNOWLEDGE SYSTEMS

**DURATION: 4 YEARS**

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### QUALIFICATION

BSc in Indigenous Knowledge Systems (MC)

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### ADMISSION REQUIREMENTS

English Level 4 (50-59%)

APS: 26

#### TAKE NOTE:

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**EXTENDED  
BSc  
DEGREES**

**DURATION: 4 YEARS**

### **QUALIFICATIONS**

Extended BSc in Financial Mathematics (VC)  
Extended BSc in Business Analytics (VC)  
Extended BSc in Quantitative Risk Management (VC)

### **ADMISSION REQUIREMENTS**

Mathematics Level 4 (50-59%)  
OR Technical Maths Level 5 (60-69%)  
APS: 28

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### **QUALIFICATION**

Extended BSc in Information Technology (VC)

### **ADMISSION REQUIREMENTS**

Mathematics Level 3 (40-49%)  
OR Technical Maths Level 4 (50-59%)  
APS: 24

### **TAKE NOTE:**

Programmes marked with the following indicate the campus/campuses on which the programme is presented:  
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**EXTENDED  
BSc  
DEGREES**

**DURATION: 4 YEARS**

## QUALIFICATIONS

Extended BSc in Applied Mathematics & Chemistry  
Extended BSc in Applied Mathematics & Electronics  
Extended BSc in Computer Science & Mathematics  
Extended BSc in Chemistry & Computer Science  
Extended BSc in Chemistry & Mathematics  
Extended BSc in Physics & Applied Mathematics  
Extended BSc in Physics & Mathematics  
Extended BSc in Biochemistry & Chemistry  
Extended BSc in Chemistry & Physics  
Extended BSc in Physics & Computer Science  
Extended BSc in Computer Science & Electronics  
Extended BSc in Electronics & Physics  
Extended BSc in Electronics & Mathematics  
Extended BSc in Mathematical Sciences with Applied Mathematics & Mathematics  
Extended BSc in Environmental Sciences with Botany & Chemistry  
Extended BSc in Environmental Sciences with Geography & Botany  
Extended BSc in Environmental Sciences with Geography & Computer Science  
Extended BSc in Environmental Sciences with Chemistry & Microbiology  
Extended BSc in Environmental Sciences with Chemistry & Geography  
Extended BSc in Biological Sciences with Botany & Biochemistry  
Extended BSc in Biological Sciences with Botany & Microbiology  
Extended BSc in Biological Sciences with Microbiology & Biochemistry

## ADMISSION REQUIREMENTS

English Level 4 (50-59%)  
Mathematics Level 3 (40-49%) OR Technical Maths Level 4 (50-59%)  
Physical Science Level 3 (40-49%)  
APS: 24

### TAKE NOTE:

These programmes are offered on the Mahikeng Campus only.

**VERLENGDE  
BSc  
GRADE**

**DUUR VAN STUDIE: 4 JAAR**

## **KWALIFIKASIES**

Verlengde BSc in Toegepaste Wiskunde en Chemie  
Verlengde BSc in Toegepaste Wiskunde en Elektronika  
Verlengde BSc in Rekenaarwetenskap en Wiskunde  
Verlengde BSc in Chemie en Rekenaarwetenskap  
Verlengde BSc in Chemie en Wiskunde  
Verlengde BSc in Fisika en Toegepaste Wiskunde  
Verlengde BSc in Fisika en Wiskunde  
Verlengde BSc in Biochemie en Chemie  
Verlengde BSc in Chemie en Fisika  
Verlengde BSc in Fisika en Rekenaarwetenskap  
Verlengde BSc in Rekenaarwetenskap en Elektronika  
Verlengde BSc in Elektronika en Fisika  
Verlengde BSc in Elektronika en Wiskunde  
Verlengde BSc in Wiskundige Wetenskappe met Toegepaste Wiskunde & Wiskunde  
Verlengde BSc in Omgewingswetenskappe met Plantkunde en Chemie  
Verlengde BSc in Omgewingswetenskappe met Geografie en Plantkunde  
Verlengde BSc in Omgewingswetenskappe met Geografie en Rekenaarwetenskap  
Verlengde BSc in Omgewingswetenskappe met Chemie en Mikrobiologie  
Verlengde BSc in Omgewingswetenskappe met Chemie en Geografie  
Verlengde BSc in Biologiese Wetenskappe met Plantkunde en Biochemie  
Verlengde BSc in Biologiese Wetenskappe met Plantkunde en Mikrobiologie  
Verlengde BSc in Biologiese Wetenskappe met Mikrobiologie en Biochemie

## **TOELATINGSVEREISTES**

Engels Vlak 4 (50-59%)  
Wiskunde Vlak 3 (40-49%) OF Tegniese Wiskunde Vlak 4 (50-59%)  
Fisiese Wetenskappe Vlak 3 (40-49%)  
APS: 24

**NEM KENNIS:**

Hierdie programme word slegs op die Mahikengkampus aangebied.

**VERLENGDE  
BSc  
GRADE**

**DUUR VAN STUDIE: 4 JAAR**

### **KWALIFIKASIES**

Verlengde BSc in Finansiële Wiskunde (VK)  
Verlengde BSc in Besigheidsanalise (VK)  
Verlengde BSc in Kwantitatiewe Risikobestuur (VK)

### **TOELATINGSVEREISTES**

Wiskunde Vlak 4 (50-59%)  
OF Tegniese Wiskunde Vlak 5 (60-69%)  
APS: 28

### **KWALIFIKASIE**

Verlengde BSc in Inligtingstegnologie (VK)

### **TOELATINGSVEREISTES**

Wiskunde Vlak 3 (40-49%)  
OF Tegniese Wiskunde Vlak 4 (50-59%)  
APS: 24

### **NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark

**INHEEMSE  
KENNISISTEME**

**DUUR VAN STUDIE: 4 JAAR**

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**KWALIFIKASIE**

BSc in Inheemse Kennisisteme (MK)

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**TOELATINGSVEREISTES**

Engels Vlak 4 (50-59%)

APS: 26

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

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# STADS- EN STREEK- BEPLANNING

**DUUR VAN STUDIE: 4 JAAR**

**KWALIFIKASIE**

BSc in Stads- en Streekbeplanning (PK)

## **TOELATINGSVEREISTES**

Wiskunde Vlak 4 (50-59%) OF Tegniese Wiskunde Vlak 5 (60-69%)

APS: 28

Keuringstoets

## **NEEM KENNIS:**

- Hierdie program word net op die Potchefstroomkampus aangebied.
- 'n Maksimum van 35 studente word jaarliks gekeur.
- Aansoeke sluit jaarliks 30 Junie.
- Laat aansoeke sal op meriete oorweeg word indien plek beskikbaar is.

Die NWU toelatingskantoor sal studente kontak rakende die keuringstoets.

Vir meer inligting kontak Stads- en Streekbeplanning by:  
018 299 2486

## **NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark

**BSc in  
LANDBOU**

**DUUR VAN STUDIE: 4 JAAR**

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**KWALIFIKASIES**

Landbou-ekonomie (MK)  
Dierkunde (MK)  
Agronomie & Tuinbou (MK)  
Dieregesondheid (MK)

**TOELATINGSVEREISTES**

Engels Vlak 4 (50-59%)  
Wiskunde Vlak 4 (50-59%) OF Tegniese Wiskunde Vlak 5 (60-69%)  
Fisiese Wetenskappe OF Lewenswetenskappe Vlak 4 (50-59%)  
APS: 26

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**KWALIFIKASIES**

Agronomie en Landbou-ekonomie (PK)  
Agronomie en Grondkunde (PK)

**TOELATINGSVEREISTES**

Engels Vlak 4 (50-59%)  
Wiskunde Vlak 4 (50-59%) OF Tegniese Wiskunde Vlak 5 (60-69%)  
Fisiese Wetenskappe Vlak 4 (50-59%)  
APS: 26

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:  
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**BEDRYFS-  
WISKUNDE  
EN  
INFORMATIKA**

**DUUR VAN STUDIE: 3 JAAR**

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**KWALIFIKASIES**

BSc in Finansiële Wiskunde (PK/VK)  
BSc in Kwantitatiewe Risikobestuur (PK/VK)  
BSc in Bedryfsanalise (PK/VK)  
BSc in Aktuariële Wetenskap (PK)

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**TOELATINGSVEREISTES**

Wiskunde Vlak (70% en hoër)  
APS: 32

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark

BSc in  
INLIGTINGS-  
TEGNOLOGIE

**DUUR VAN STUDIE: 3 JAAR**

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**KWALIFIKASIE**

Inligtingstechnologie (PK/VK/AFSTANDSLEER)

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**TOELATINGSVEREISTES**

Wiskunde Vlak 4 (50-59%)

OF Tegniese Wiskunde Vlak 5 (60-69%)

APS: 26

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
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BSc in  
OMGEWINGS-  
WETENSAPPE

**DUUR VAN STUDIE: 3 JAAR**

**KWALIFIKASIES**

Dierkunde & Chemie (PK)  
Chemie & Geologie (PK)  
Geologie & Geografie (PK)  
Geologie & Plantkunde (PK)  
Dierkunde & Geografie (PK)  
Dierkunde & Geologie (PK)  
Geologie & Mikrobiologie (PK)  
Toerisme & Dierkunde (PK)  
Toerisme & Geografie (PK)  
Toerisme & Plantkunde (PK)  
Geografie & Plantkunde (MK/PK)  
Geografie & Rekenaarwetenskap (MK/PK)  
Mikrobiologie & Chemie (MK/PK)  
Plantkunde & Chemie (MK/PK)

**TOELATINGSVEREISTES**

Wiskunde Vlak 4  
(50-59%) OF  
Tegniese Wiskunde Vlak 5  
(60-69%)  
Fisiese Wetenskappe Vlak 4  
(50-59%)  
APS: 26

**KWALIFIKASIE**

Chemie & Geografie (MK)

**TOELATINGSVEREISTES**

Wiskunde Vlak 5 (60-69%)  
Fisiese Wetenskappe 4 (50-59%)  
APS: 26

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

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BSc in  
BIOLOGIESE  
WETENSAPPE

DUUR VAN STUDIE: 3 JAAR

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**KWALIFIKASIES**

- Mikrobiologie & Biochemie (MK/PK)
- Mikrobiologie & Plantkunde (MK/PK)
- Plantkunde & Biochemie (MK/PK)
- Dierkunde & Plantkunde (PK)
- Dierkunde & Mikrobiologie (PK)
- Mikrobiologie & Fisiologie (PK)
- Dierkunde & Biochemie (PK)
- Chemie & Fisiologie (PK)
- Dierkunde & Fisiologie (PK)

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**TOELATINGSVEREISTES**

- Wiskunde Vlak 4 (50-59%)
  - OF Tegniese Wiskunde Vlak 4 (60-69%)
  - Fisiese Wetenskappe Vlak 4 (50-59%)
- APS: 26

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark

BSc in  
WISKUNDIGE  
WETENSKAPPE

**DUUR VAN STUDIE: 3 JAAR**

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**KWALIFIKASIES**

Statistiek & Wiskunde (PK/VK)

Wiskunde (PK)

— Toegepaste Wiskunde en Wiskunde (MK)

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**TOELATINGSVEREISTES**

Fisiese Wetenskappe Vlak 4 (50-59%)

Wiskunde Vlak 5 (60-69%)

APS: 26

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark



BSC  
GRADE

**DUUR VAN STUDIE: 3 JAAR**

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**KWALIFIKASIES**

Rekenaarwetenskap & Ekonomie (PK/VK)  
Wiskunde & Ekonomie (PK/VK)

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**TOELATINGSVEREISTES**

Wiskunde Vlak 5 (60-69%)  
APS: 26

**NEEM KENNIS:**

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark

BSc  
GRADE

DUUR VAN STUDIE: 3 JAAR

## KWALIFIKASIES

Chemie & Fisika (MK/PK)  
Fisika & Wiskunde (MK/PK)  
Fisika & Toegepaste Wiskunde (MK/PK)  
Fisika & Rekenaarwetenskap (MK/PK)  
Rekenaarwetenskap & Statistiek (PK/VK)  
Rekenaarwetenskap & Wiskunde (MK/PK)  
Geografie & Toegepaste Wiskunde (PK)  
Chemie & Rekenaarwetenskap (MK)  
Toegepaste Wiskunde & Elektronika (MK)  
Rekenaarwetenskap & Elektronika (MK)  
Toegepaste Wiskunde & Chemie (MK/PK)  
Chemie & Wiskunde (MK/PK)  
Elektronika & Wiskunde (MK)  
Elektronika & Fisika (MK)

\*Biochemie & Chemie (MK/PK)

## TOELATINGSVEREISTES

Fisiese Wetenskap: Vlak 4 (50-59%)  
Wiskunde Vlak 5 (60-69%); Programme gemerk met \* se Wiskunde vereiste is vlak 4 (50-59%) OF Tegniese Wiskunde Vlak 5 (60-69%)  
APS: 26

## NEEM KENNIS:

Programme gemerk met die volgende dui die kampus/kampusse aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark

## DIPLOMAS

**DUUR VAN STUDIE: 3 JAAR**

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### KWALIFIKASIES

Diploma in Dierkunde (MK)  
Diploma in Plantkunde (met Gewasproduksie) (MK)

### TOELATINGSVEREISTES

Engels Vlak 3 (40-49%)

Fisiese Wetenskappe OF Lewenswetenskappe Vlak 3 (40-49%)  
OF Landbouwetenskappe Vlak 4 (50-59%)

Wiskunde Vlak 3 (40-49%) OF Tegniese Wiskunde Vlak 4 (50-59%)  
OF Wiskunde Geletterdheid Vlak 5 (60-69%)

APS: 22

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### KWALIFIKASIE

Diploma in Diergesondheid (MK)

### TOELATINGSVEREISTES

Engels Vlak 3 (40-49%)

Fisiese Wetenskappe OF Lewenswetenskappe Vlak 3 (40-49%)

Wiskunde Vlak 3 (40-49%) OF Tegniese Wiskunde Vlak 4 (50-59%)

APS: 22

### NEEM KENNIS:

Programme gemerk met die volgende dui die kampus/kampusse  
aan waarop die program aangebied word:

(MK) = Mahikeng | (PK) = Potchefstroom | (VK) = Vanderbijlpark

# VAKGROEPE

## **DIERKUNDE**

Studie van die interaksie van diere met hul omgewing.

## **PLANTKUNDE**

Studie van plante van eensellige alge tot blomplante.

## **MIKROBIOLOGIE**

Die studie van sellulêre organismes insluitend archaea, bakterieë, fungi en protiste en asellulêre entiteite soos virusse.

## **GEOLOGIE EN GRONDKUNDE**

Studie van aard-materie en prosesse.

## **GEOGRAFIE**

Die studie van die patrone, prosesse en interaksies van menslike en fisiese landskappe, en die bestuur van menslike aktiwiteite om omgewingsvolhoubaarheid te verseker.

## **REKENAARWETENSKAP EN INLIGTINGSTELESELS**

Die studie van rekenaars, algoritmes en inligtingsproesse.

## **STATISTIEK**

Studie van numeriese datastelle en die interpretasie daarvan.

## **WISKUNDE EN TOEGEPASTE WISKUNDE**

Studie van getalle, hoeveelhede en ruimte.

## **CHEMIE**

Studie van die eienskappe en interaksies van materie.

## **FISIKA**

Studie van natuurwette.

## **BIOCHEMIE**

Studie van die chemiese basis van lewensverskynsels.

## **LANDBOU**

Die verbouing en teling van diere, plante en swamme vir produkte wat gebruik word om lewe te onderhou en te verbeter.

## **STADS- EN STREEKBEPLANNING**

Beplanning van stede en streke.

## **FINANSIËLE WISKUNDE**

'n Veld van toegepaste wiskunde, gemoeid met wiskundige modellering van finansiële markte.

## **BEDRYFSANALISE**

Die proses om patrone in groot datastelle te ontdek met behulp van masjienleer, statistiek en databasisstelsels.

## **KWANTITATIEWE RISIKOBESTUUR**

Verteenwoordig die dissipline wat handel oor die vermoë van 'n organisasie om risiko's te kwantifiseer en te bestuur.

## **AKTUARIËLE WETENSKAP**

Dissipline wat handel oor die beoordeling van risiko's in die versekering- en finansiële velde met behulp van verskeie wiskundige en statistiese metodes.



Fakulteit  
**Natuur- en  
Landbouwetenskappe**

