



## What is Plant Pathology?

The field of plant pathology entails: the study of microorganisms and the environmental conditions that cause disease in plants, the mechanisms by which disease occur, interactions between microorganisms and the plant and lastly methods of managing plant diseases.

## First introduction to Plant Pathology

In the 1st year of study, you will already be introduced to Plant Pathology through the Crop Protection and Improvement module 152. The module is presented by the Dept's of Plant Pathology, Genetics, Agronomy and Conservation Ecology and Entomology.

## Why choose Plant Pathology

Plant Pathology combines the observation of the micro- and macro-world. Work can also entail disease modeling, using mathematical models or optimising spray technologies. Basically it is about problem solving and finding effective ways to control plant diseases.

## Work Opportunities

Possible employers could include agricultural enterprises, fruit or vegetable producers; agrochemical companies and Department of Agriculture, Land Reform and Rural Development as a researcher or as private consultant providing expertise on how to best control plant diseases.

## Programme Options

- BSc(Agric) Plant and Soil Science: Crop Production systems
- BSc(Agric) Plant and Soil Science: Crop Protection
- BSc(Agric) Plant and Soil Science: Soil and Water Management

## Admission Requirements

In addition to general requirements of Stellenbosch University:

- Average performance level of 60% in the NSC / IEB's school-leaving certificate (excluding Life Orientation).
- English or Afrikaans (Home Language or First Additional Language) – 4 (50%).
- Mathematics – 5 (60%); and
- Physical Sciences (Physics and Chemistry) – 4 (50%)



## Wat is Plantpatologie?

Die studie van mikroörganismes en omgewingstoestande wat lei tot siektes in plante; die meganismes hoe siekte voorkom; interaksies tussen die mikroörganisme en die plant en laastens metodes om plantsiektes te bestuur.

## Eerste kennismaking met Plantpatologie?

In die 1ste jaar van studies sal u al aan Plantpatologie deur die Gewasbeskerming en Verbetering module 152 bekendgestel word. Hierdie module word deur die Depte van Plantpatologie, Genetika, Agronomie en Bewaringsekolgie en Entomologie aangebied.

## Waarom Plantpatologie kies?

Plantpatologie kombineer waarneming van die mikro- en die makro-wêreld. Werk kan ook siekte modellering, gebruik van wiskundige modelle of spuittegnologie optimisering, insluit. Dit gaan basies oor probleemoplossing en die vind van effektiewe maniere om plantsiektes te bestuur.

## Werkseleenthede

Moontlike werkgewers kan insluit landbou maatskappye; vrugte of groente produsente; landbou chemiese maatskappye; by die Departement van Landbou, Grondhervorming en Landelike ontwikkeling as navorser of as privaatkonsultant wat kennis oordra oor plantsiektebestuur.

## Programopsies

- BSc(Agric) Plant- en Grondwetenskappe: Gewasproduksiestelsels
- BSc(Agric) Plant- en Grondwetenskappe: Gewasbeskerming
- BSc(Agric) Plant- en Grondwetenskappe: Grond- en Waterbestuur

## Toelatingsvereistes

Addisioneel tot die Universiteit Stellenbosch se algemene toelatingsvereistes:

- Gemiddelde prestasie van 60% in the NSS / IEB's skoleindsertifikaat (Lewensorientering uitgesluit).
- Engels of Afrikaans (Huistaal of Eerste Addisionele Taal) – 4 (50%).
- Wiskunde – 5 (60%); en
- Fisiese Wetenskappe (Fisika en Chemie) – 4 (50%)