

Bachelor of Science in Biotechnology Management



SAQA ID 62753 NQF level 7

🕒 Qualification duration

Minimum: 3 years
Maximum: 5 years
Full-time

📅 Qualification start date

Semester 1: February
Semester 2: July

★ Qualification accreditation

- Accredited by the Higher Education Quality Committee (HEQC) of the Council on Higher Education (CHE).
- Registered with the South African Qualifications Authority (SAQA).

🕒 Mid-year intake?

Students are accepted to start their studies of selected subjects at the start of the second semester.

📖 Qualification description

The BSc (Biotechnology Management) prepares you for work in many areas of biotechnology and is an excellent foundation for careers in medical and scientific research, agriculture management, food technology, technical sales and academia.

Our degree provides you with a solid theoretical and intensive practical foundation in microbiology, molecular biology, plant physiology and agricultural biotechnology with an emphasis on application based research, managing projects and using technology. You will cover a range of core modules such as Animal and Plant Biology, Agricultural Economics and Environmental Biotechnology, Protein Biochemistry and Analytical Chemistry. You will also cover subject areas such as Computer Skills, Mathematics for Science Students, Quantitative Techniques, and Clinical Trials.

We offer you an environment that combines theory, research and practical application. We have excellent facilities such as computer and science labs and quality lecture rooms. Our curriculum is relevant, current and industry led. We ensure that you graduate with essential work skills such as analytical thinking, meeting deadlines, problem solving, collaborating in teams and communication.

✔ Entry requirements

- You need a South Africa National Senior Certificate (NSC) with Bachelor degree entry or an equivalent foreign secondary qualification on an NSC level with Bachelor degree entry approved by Universities South Africa (USAF).

Or

- If you have an international school-leaving certificate, you need to provide a certificate of exemption issued by Universities South Africa (USAF).

Or

- You should have successfully completed the relevant Pearson Institute foundation programme. On successful completion of the foundation programme, students are required to apply to Universities South Africa (USAF) for a certificate of exemption in order to be admitted to a degree programme.

Or

- You should have successfully completed a relevant higher certificate qualification. On successful completion of the higher certificate, students are required to apply to Universities South Africa (USAF) for a certificate of exemption in order to be admitted to a degree programme.

And

- You need 32 or more Pearson Institute points.
- You need 50% or above for Grade 12 English.
- You need 50% or above for Grade 12 Mathematics.
- You need 50% or above for Grade 12 Biology/Life Sciences.
- The points attained for the best two of the subjects of Biology/Life Sciences, Mathematics, Chemistry, Physics and Physical Science must be doubled.

⚙️ Possible career options

Be part of the scientific discoveries ahead.

The careers for you, as a Bachelor of Science in Biotechnology Management graduate, are varied and include:

- Academia
- Plant, agricultural and waste management
- Project management
- Research
- Scientific Communications
- Technical positions in laboratories and Production
- Technical positions in the food industry
- Technical sales

📍 This qualification is offered at the following campuses

- Pearson Institute Midrand Campus

📖 Qualification structure

Year 1

Students are introduced to the basic principles of biomedicine and science.

- Applied Chemistry
- Animal and Plant Biology
- Bioentrepreneurship
- Computer Skills
- Introduction to Chemistry
- Mathematics for Science Students
- Medical Bioethics and Communication
- Physics for Science Students
- Principles of Biology
- Project Management
- Quantitative Techniques (Biology)
- Science Skills

Year 2

Students will develop an intermediate level of knowledge in the following fields:

- Agricultural Economics
- Biopharmaceutical Marketing
- Ethnobotany
- Exploration of Industry
- Food and Water Microbiology
- Food Technology
- Introduction to Microbiology
- Introduction to Molecular Biology
- Personal Selling and Sales Management
- Plant Physiology
- Plant Propagation

Year 3

On completion of this level, the students will have acquired a rounded knowledge in the following fields:

- Agricultural Biotechnology
- Clinical Trials and Good Manufacturing Practice
- Criminalistics
- Industrial and Environmental Biotechnology
- Medical Biotechnology
- Operations Management
- Protein Biochemistry and Analytical Chemistry
- Work Integrated Learning (WIL)