



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Faculty of Natural and Agricultural Sciences

Fakulteit Natuur- en Landbouwetenskappe
Lefapha la Disaense tša Tlhago le Temo

BSc (Chemistry)

Chemistry is the study, understanding and analysis of substances and materials and how they interact. This is achieved through carefully designed laboratory experiments using sophisticated instrumentation, mathematical calculations, data processing and modelling.

Who is the ideal candidate?

The ideal candidate will have the following characteristics:

- Ability to work with high precision and accountability
- Good time management
- Proficiency in scientific writing
- Ability to work in a team
- Good management skills
- Environmental consciousness in work ethic

What makes this programme unique?

BSc (Chemistry) graduates have the ability to combine concepts across different fields. They develop excellent analytical and problem-solving skills, which can also be applied in less traditional fields, for example the financial sector and information technology. Chemistry is the central science and links with many other subjects, including physics, mathematics, biochemistry, computer science, geology, etc.

Which companies employ our graduates?

Our graduates are employed by:

- Chemical manufacturers
- Mining companies
- Government departments
- The media
- Law firms
- Laboratories
- Cosmetic companies
- Instrument manufacturers
- Pharmaceutical companies
- Education companies

What career opportunities exist for graduates?

Graduates are equipped for careers in the following fields:



'Chemistry used to be that one class I dreaded taking back in high school, but that completely changed for me when I started taking chemistry in my first year as a BSc student. Chemistry went from this impossible amount of memorization to this fascinating field of logic that I got to witness in my everyday life. I started realizing how applicable the principles of chemistry are in my life and found myself wanting to learn more for that reason. When it came to choosing a career, I decided to focus on biochemistry and delve into how chemistry plays a role in biotic factors and am now pursuing a career in food safety.'

– Chrizelda Visser



'If someone had told me while I was in high school that I would one day enroll for a degree in chemistry, I would have called them crazy. Not that I did not like the subject but I did not find it interesting. When I registered for the module in first year, it was just a core module that I had to do but when I started learning more, I fell in love with it. For the first time, everything that I had been introduced to in high school made perfect sense. It was even more amazing that I could explain why and how certain reactions take place. My dream has always been to work in the field of forensic science. The added fact that it is such a broad field makes forensic chemistry my destination.'

– Daisy Mdeka

Minimum admission requirements

Programme	Minimum requirements for NSC and IEB for 2022			
	Achievement level			APS
	English Home Language or English First Additional Language	Mathematics	Physical Sciences	
BSc (Chemistry) [3 years] Closing dates: SA – 30 September, Non-SA – 31 August	5	5	5	34