

Department of Chemical Engineering

Developing the best chemical engineers since 1969

Chemical engineers design, operate and optimise processes to produce valuable products from raw materials on a large scale. Important processes include delivery of services, such as supplying potable water, waste management, sustainable engineering practices, and managing the environment with green engineering solutions. The chemical engineer plays a pivotal role in society and has the opportunity to positively influence the environment and lives of all.

Why study Chemical Engineering?

A degree in chemical engineering equips you with a diverse skillset, such as critical thinking, problem solving, and integration and application of knowledge, which positions you excellently to pursue a career in many different industries and sectors.

At Stellenbosch University, we train and develop chemical engineering graduates who are highly sought after by industry. Graduates are equipped to address topical challenges faced by industry, as well as future challenges faced by society at large. As a chemical engineer, you play a significant role in developing and implementing innovative processes and solutions for sustainable development.

Our BEng Chemical Engineering four-year professional degree is accredited by the Engineering Council of South Africa (ECSA). It is also internationally accredited by the Washington Accord, which enables you to apply for work opportunities abroad.

What are the BEng (Chemical Engineering) admission requirements?

Applicants must meet **all** the requirements below when **applying with their final Grade 11 marks** to receive conditional admission. Thereafter, your final Grade 12 marks must again meet all the minimum requirements to receive final admission.

- **Selection score* ≥ 640 (provisional)**
- **Overall average $\geq 75\%$ (excluding LO)**
- **Mathematics $\geq 75\%$**
- **Physical science $\geq 65\%$**

*Selection score = Mathematics + Physical Science + 6 x Average (excluding LO)

Where do Chemical Engineers work?

Studying chemical engineering at SU prepares you for employment within various engineering and non-engineering sectors and industries.

Water Treatment & Technology
 Data Science & Machine Learning
 Green & Renewable Energy
 Waste Treatment & Pollution
 Petrochemicals & Separations
 Chemicals & Fine Chemicals
 Food & Beverage
 Software Development

Vaccine Development
 Biomedical Science
 Pharmaceuticals
 Cosmetics
 Environmental Affairs
 Research & Design
 Management Consulting
 Business, Finance & Banking

Biotechnology
 Manufacturing
 Fertilisers
 Explosives
 Mining & Minerals
 Cement & Glass
 Paper & Pulp

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We would love to meet you!

