



Why choose Stellenbosch University (SU)?

For the unique vibe! As the campus extends over a large part of the town, you'll find students and friends everywhere, the atmosphere is fantastic, you get awesome student discounts, and the town is small enough that you can easily walk or cycle between your accommodation and most parts of the campus.

But this is what you tell your parents: For the great learning experience and that SU's engineering programmes are some of the best in South Africa, accredited by the Engineering Council of South Africa, and are recognised in over 20 countries through the Washington Accord, so you can potentially work overseas ... (But don't go, we need you here!)

What *subjects* do I need to get accepted?

Pure Maths and Physical Sciences are a must and count double when used in the selection formula; for the other subject requirements, check out the Engineering Yearbook on the website.

What *marks* do I need to apply?

The million-dollar question! There is a selection formula, using the marks obtained for the best six subjects (excluding Life Orientation). There are minimum marks requirements needed just to be considered and then there are suggested marks that will give you a better chance of being selected. Competition is tough and space is limited, so make sure to get your best marks. Grade 11 marks are used to get provisionally accepted, with confirmation received after your Grade 12 final results are available. The website will give you the latest selection formula (which changes from time to time).

How long does the BEng take?

4 years for the Bachelor of Engineering programmes, then master's or doctoral postgraduate degrees are options to study further.

5 years if you're from an educationally disadvantaged background; the extra year will bridge school and the first year, bringing you up to speed. Check the website for information on the extended curriculum program (ECP).

What *language* will my lectures be in?

English, with an Afrikaans option for most of the modules in the first two years. Tests and exams are available in English and in Afrikaans, and you can answer in English or in Afrikaans.

Where would I *stay*?

University residences and private residences are the most popular choices for first years. There are single sex and mixed/co-ed alternatives. Selection for university residences is based on your marks, so make sure you do your best, they're tough to get into! Other options are shared houses or apartments, garden flats or rooms in private homes. See maties.com for more info on the different university residences.

Apply When do the applications open and when do they close?

Visit www.su.ac.za/en/apply/undergrad to keep up to date with the application and closing date or scan this code:



How do students get around campus?

Walking and cycling are the most popular, with bicycle sheds on campus providing secure lock-up spots while you're in class. You can hire a bicycle from the University or bring your own. Student buses follow set routes according to a schedule. Or bring a car, but traffic and parking are challenging. (As an engineer, maybe you can solve this problem for us?)

What is a *Matie*?

All students at Stellenbosch University are affectionately referred to as Maties. You'll find the word used everywhere: around town, on the University website, local newspapers and of course, the Varsity Cup sports competitions!

What would I study?

All BEng first-year students follow the same compulsory modules (with the exception of BEng Data Engineering), regardless of the programme they apply for. The only difference is fifteen programme-specific credits (one or two modules) in the second semester. You may switch to another programme after your first semester, provided that you achieve an average of 65%, or at the end of your first year, provided that you pass all your first-year modules.

In the first two years, you'll focus on maths, basic sciences and engineering sciences; in years 3 and 4, you'll learn how to apply these to solve technical problems, and how to develop business opportunities. That's right, business opportunities. SU engineers make excellent entrepreneurs too.

Keep reading to find out more about the six different BEng programmes we offer.

1 Chemical Engineering

Think petrol and platinum, flavourants and fertilisers, antibiotics and acetylene, clean water and clean energy, biofuels and biomaterials, internet of things and machine learning.



2 Civil Engineering

Think highways and traffic flows, dams and waterways, buildings and bridges, sports stadiums and arenas, internet of things and machine learning (yes, here too!), design and construction.



3 Electrical & Electronic Engineering

Think data, electronics, robotics, drones, satellites, cloud computing, internet of things and machine learning (and here!), telecoms, radar, antennas, renewable energy and smart grids. Data engineering is a focus area that has been added to the existing undergraduate degree in Electrical and Electronic Engineering BEng.



4 Industrial Engineering

Think engineering meets business and finance, artificial intelligence and advanced manufacturing, internet of things and machine learning (again!), world-class quality and multi-continent enterprises.



5 Mechanical Engineering

Think cars and trucks, aeroplanes and ships, power stations and engines, wind turbines and solar electricity, knee implants and neck braces, internet of things and machine learning (it's everywhere!).



6 Mechatronic Engineering

Think robots assembling cars, autopilots, measuring submicron features, surgery assisting robots, internet of things and machine learning (yes, everywhere!), machine vision and the 4th industrial revolution.



Want more?

Interested in biomedical engineering, aeronautical engineering, satellite engineering, renewable energy, bioprocessing, artificial intelligence, ...? Do a master's and PhD degree in one of the above disciplines or in engineering management.



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Here's what you want to know