Stellenbosch UNIVERSITY IYUNIVESITHI UNIVERSITEIT

Science
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Natuurwetenskappe

BSc Human Life Sciences

This programme provides the basis for understanding the functioning of the human body and mind, from molecular to systems level.

Focal areas

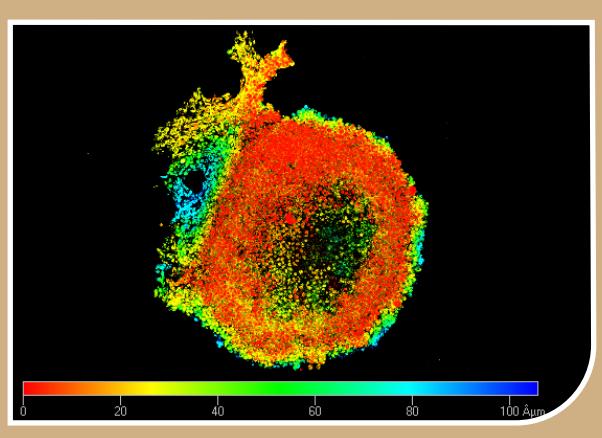
- Biology: Physiology in combination with Anatomy OR Genetics OR Biochemistry and BioinformaticsBiology with Psychology: Physiology in combination with Psychology and Genetics

NB: Please consult the Yearbook of each faculty for detailed information on subjects, modules and specific minimum admission requirements.

Do I qualify?

Minimum admission requirements

- Average (excluding Life Orientation): **65%**
- English OR Afrikaans
  (Home Language or First Additional Language): **50%**
- Maths **60%** or **70%** (depending on subject choice)
- Physical Sciences **50%**



Focal areas explained:

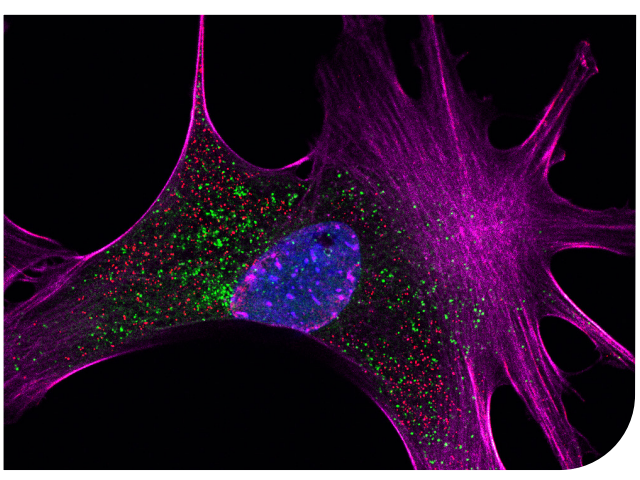
What do you study in Physiology?

Physiology is the study of the human body and all its integrate biochemical systems and pathways that makes the human body function.

Red blood cell and platelet

Why study Human Life Sciences?

- Physiologists undertake investigative research to better understand the health challenges facing South Africa, including cancer, heart and metabolic diseases, degenerative neurological diseases such as Parkinsons and Alzheimers, and novel diseases such as COVID-19 and Long COVID.
- The rationale is to gain a deeper understanding of the underlying mechanisms that drive the onset of pathophysiologic states, with the ultimate aim of designing novel therapeutic interventions.



Why study Human Life Sciences at Stellenbosch University?

- We have world class lecturers and researchers in our department.
- In our Molecular Physiology, Histology and Cellular PhysiologyLaboratories, students are trained on the newest available equipment in new techniques and developing new analytical techniques.
- We are one of the first physiology departments in the country to use a modern computerised physiology practical training programme, where students are exposed to the newest technology with interactive programmes to stimulate critical thinking in physiology.
- The department is home to a range of specialised laboratories for postgraduate research in cancer, cardiology, neurology, haematology muscle, nutrition and drug delivery.

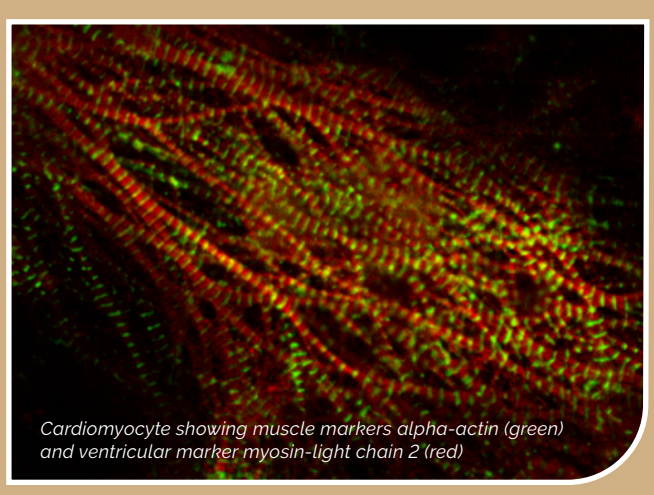
Did you know?

There are also two new streams available in the BSc programme with Physiology as major subject:

1. Stream Applied Medicinal Chemistry
2. Stream Biomedical Mathematical Sciences

What can I do with a degree in Human Life Sciences?

Anthropometrist
Biokineticist
Biomedical scientist
Exercise physiologist
Fitness manager
Forensic scientist
Laboratory analyst
Life Sciences teacher
Medical representative
Nutritionist
Performance analyst
Physiologist
Psychologist
Stem Cell researcher
Medical Journalist
Law (Patent Attorney)



Cardiomyocyte showing muscle markers alpha-actin (green) and ventricular marker myosin-light chain 2 (red)

Contact details

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Website: https://www.sun.ac.za/english/faculty/science/physiologicalsciences

Contact our recruitment officer

Qaqamba Mhlauli
qmhlauli@sun.ac.za or science@sun.ac.za

Deadline for applications: 31 July

General selection and application criteria

https://www.sun.ac.za/english/maties