



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

Bachelor of Science in Medical Sciences



Make today matter



The Department of Anatomy is part of the School of Medicine in the Faculty of Health Sciences and hosts a Bachelor of Science in Medical Sciences degree in the Faculty of Natural and Agricultural Sciences. Students are trained in the basic medical sciences, which include clinical anatomy, physical and forensic anthropology, histology, cell biology and embryology. These subjects can be combined with elective modules from physiology, pharmacology and genetics. Ideally, students who register for this degree should have a keen interest in research related to anatomy and the basic medical sciences.



What makes this programme unique?

Students are trained in the basic medical sciences, including clinical anatomy, physical anthropology and cell biology. During the course of their studies they work with human material, including human skeletal material, and do cadaver dissection.



Career opportunities

Career opportunities exist in the field of research in any of the subdisciplines of anatomy, in academia, in forensic science and in the health science industry.

Other careers that may be considered are in sports science, virology, chemical pathology, immunology, health administration or ergonomics. Technical careers, for example in the departments of anatomy or physiology at universities, are another possibility.



Which companies employ our graduates?

Graduates are sought after by institutes in the academic, government and private sectors, where they are employed as lecturers, researchers, medical and forensic scientists, and sales representatives in the medical and pharmacological industries. Several of our postgraduate students are currently studying at research facilities in North America and Europe.

Minimum admission requirements

| Programme | Minimum requirements for NSC/IEB for 2026 | | | |
|---|--|-------------|-------------------|-----|
| | Achievement level | | | APS |
| | English Home Language or English First Additional Language | Mathematics | Physical Sciences | |
| Bachelor of Science in Medical Sciences [3 years] | 5 | 5 | 5 | 32 |



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

Minimum requirements for
applicants with a school
leaving certificate not issued
by Umalusi (South Africa)



Make today matter

Refer to the International undergraduate prospectus at www.up.ac.za/programmes > Undergraduate > Admission Information or [click here](#) for more information.

- The closing date for applications for programmes in this faculty is 30 June.
- Meeting the minimum admission requirements does not guarantee admission into a programme.

| FACULTY OF NATURAL AND AGRICULTURAL SCIENCES Programmes | Minimum requirements for 2026 | | | | | | | | | |
|--|--|--|----|----------------|-----------------|-----------------------------|-------|-------|--------------|------|
| | Achievement level | | | | | | | | | |
| | Compulsory subjects | GCSE # | | HIGCSE NSSC HL | AS Level | A Level | IB | | KOMBI ABITUR | KCSE |
| | | The qualifications in the two columns below will be considered only for conditional admission. If final AS and/or A levels have been completed, these two columns will not apply. It can also not be used for final admission and/or registration. | | | GCE CIE NSSC AS | GCE CIE CGCE UACE WAEC ZGCE | IB SL | IB HL | | |
| | | CIE | UK | | | | | | | |
| IGCSE LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WASEC ZGCE | | England Wales Northern Ireland Pearson Edexcel GCSE | | | | | | | | |
| Bachelor of Science in Biochemistry | English Mathematics Physics Chemistry | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Biotechnology | | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Ecology | | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Zoology | | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Entomology | | | | | | | | | | |
| Bachelor of Science in Genetics | | | | | | | | | | |
| Bachelor of Science in Human Genetics | | | | | | | | | | |
| Bachelor of Science in Human Physiology | | | | | | | | | | |
| Bachelor of Science in Human Physiology, Genetics and Psychology | | | | | | | | | | |
| Bachelor of Science in Medical Sciences | | | | | | | | | | |
| Bachelor of Science in Microbiology | | | | | | | | | | |
| Bachelor of Science in Plant Science | | | | | | | | | | |
| Bachelor of Science in Chemistry | | | | | | | | | | |
| Bachelor of Science in Physics | | | | | | | | | | |
| Bachelor of Science in Geography [Option: Geography and Environmental Science] | | | | | | | | | | |
| Bachelor of Science in Geoinformatics | | | | | | | | | | |
| Bachelor of Science in Geology | | | | | | | | | | |
| Bachelor of Science in Meteorology | | | | | | | | | | |
| Bachelor of Science in Environmental and Engineering Geology | | | | | | | | | | |

Only English with at least a C symbol on this level can be used for final admission.

NOTE: The Faculty of Natural and Agricultural Sciences requires the following achievement levels for IELTS and TOEFL: TOEFL – Writing=22; Speaking=23; Reading=21; Listening=17
IELTS – Writing=6; Speaking=6; Reading=6; Listening=6



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

Minimum requirements for
applicants with a school
leaving certificate not issued
by Umalusi (South Africa)



Make today matter



| FACULTY OF NATURAL AND AGRICULTURAL SCIENCES Programmes | Minimum requirements for 2026 | | | | | | | | | |
|---|---|--|--------|----------------|-----------------|-----------------------------|--------|--------|-------------------|---------|
| | Achievement level | | | | | | | | | |
| | Compulsory subjects | GCSE # | | HIGCSE NSSC HL | AS Level | A Level | IB | | KOMBI ABITUR | KCSE |
| | | The qualifications in the two columns below will be considered only for conditional admission. If final AS and/or A levels have been completed, these two columns will not apply. It can also not be used for final admission and/or registration. | | | GCE CIE NSSC AS | GCE CIE CGCE UACE WAEC ZGCE | IB SL | IB HL | | |
| | | CIE | UK | | | | | | | |
| IGCSE LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE | England Wales Northern Ireland Pearson Edexcel GCSE | | | | | | | | | |
| Bachelor of Science in Food Science | English Mathematics Physics Chemistry | | | | | | | | | |
| Bachelor of Science in Food Management [Option: Culinary Science] | | | | | | | | | | |
| Bachelor of Science in Food Management [Option: Nutritional Science] | | | | | | | | | | |
| Bachelor of Science in Agriculture in Agricultural Economics in Agribusiness Management | | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Agriculture in Animal Science | | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Agriculture in Plant Pathology | | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Agriculture in Applied Plant and Soil Sciences | | C | 4 | 3 | C | E | 4 | 3 | 60-69% | B |
| Bachelor of Science in Actuarial and Financial Mathematics | English Mathematics | C A | 4 7 | 3 1 | C A | E C | 4 6 | 3 5 | 60-69% 80-100% | B A |
| Bachelor of Science in Mathematics | English Mathematics | | | | | | | | | |
| Bachelor of Science in Applied Mathematics | | C B | 4 5 | 3 2 | C B | E D | 4 5 | 3 4 | 60-69% 70-79% | B B+ |
| Bachelor of Science in Mathematical Statistics | | | | | | | | | | |
| Bachelor of Consumer Science specialising in Clothing and Retail Management | English Mathematics | C D | 4 3 | 3 3 | C D | E E | 4 2 | 3 2 | 60-69% 50-59% | B C+ |
| Bachelor of Consumer Science specialising in Food Management | | | | | | | | | | |

Only English with at least a C symbol on this level can be used for final admission.

NOTE: The Faculty of Natural and Agricultural Sciences requires the following achievement levels for IELTS and TOEFL: TOEFL – Writing=22; Speaking=23; Reading=21; Listening=17
IELTS – Writing=6; Speaking=6; Reading=6; Listening=6



Make today matter

| FACULTY OF NATURAL AND AGRICULTURAL SCIENCES Programmes | Minimum requirements for 2026 | | | | | | | | | |
|---|---|--|--|----------------|-----------------|-----------------------------|-------|-------|--------------|------|
| | Achievement level | | | | | | | | | |
| | Compulsory subjects | GCSE # | | HIGCSE NSSC HL | AS Level | A Level | IB | | KOMBI ABITUR | KCSE |
| | | The qualifications in the two columns below will be considered only for conditional admission. If final AS and/or A levels have been completed, these two columns will not apply. It can also not be used for final admission and/or registration. | | | GCE CIE NSSC AS | GCE CIE CGCE UACE WAEC ZGCE | IB SL | IB HL | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| CIE | UK | | | | | | | | | |
| IGCSE LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE | England Wales Northern Ireland Pearson Edexcel GCSE | | | | | | | | | |

| | | | | | | | | | | |
|--|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------|----------------------|
| Bachelor of Science in Mathematics [4-year programme] | English Mathematics | D C | 3 4 | 3 3 | D C | E E | 2 4 | 2 3 | 58% 65% | B- B |
| Bachelor of Science in Chemistry [4-year programme] | English Mathematics Physics Chemistry | D D D D | 3 3 3 3 | 3 3 3 3 | D D D D | E E E E | 2 2 2 2 | 2 2 2 2 | 58% 58% 58% 58% | B- B- B- B- |
| Bachelor of Science in Geoinformatics [4-year programme] | | | | | | | | | | |
| Bachelor of Science in Geology [4-year programme] | | | | | | | | | | |
| Bachelor of Science in Meteorology [4-year programme] | | | | | | | | | | |
| Bachelor of Science in Physics [4-year programme] | | | | | | | | | | |
| Bachelor of Science in Ecology [4-year programme] | | | | | | | | | | |
| Bachelor of Science in Human Physiology [4-year programme] | | | | | | | | | | |
| Bachelor of Science in Agriculture in Applied Plant and Soil Sciences [5-year programme] | | | | | | | | | | |
| Bachelor of Science in Agriculture in Plant Pathology [5-year programme] | | | | | | | | | | |

Only English with at least a C symbol on this level can be used for final admission.

NOTE: The Faculty of Natural and Agricultural Sciences requires the following achievement levels for IELTS and TOEFL: TOEFL – Writing=22; Speaking=23; Reading=21; Listening=17
IELTS – Writing=6; Speaking=6; Reading=6; Listening=6

