

Faculty of Natural and Agricultural Sciences

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

Bachelor of Science in Human Physiology, Genetics and Psychology





During the first two years of study, students are exposed to fundamental core scientific and biology-related modules. Final-year studies include modules from all three disciplines (Physiology, Genetics and Psychology), thus creating opportunities to continue with postgraduate studies in any of the three disciplines. The Bachelor of Science in Human Physiology, Genetics and Psychology programme is recommended for individuals with a passion for biological and related sciences who wish to gain core knowledge in these fields.



What makes this programme unique?

The structuring of the programme, which allows students to choose any one of three majors for postgraduate studies, is quite unique. Another notable feature is the transdisciplinary inclusion of Psychology as a humanities module, which offers additional opportunities.



Which companies employ our graduates?

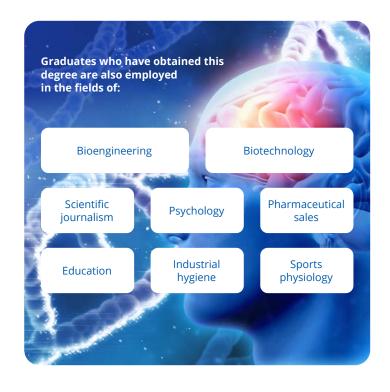
Our graduates are employed by:

- Academia
- State departments (eg the Department of Health)
- Medical and pharmaceutical companies
- Private and government research laboratories (such as the CSIR, MRC, NHLS, ARC, NRF, SANBI and NICD)
- Veterinary and industrial institutions
- Computational biology and bioinformatics companies
- Biomedical science communication companies
- Corporate and sales businesses
- Wellness companies
- Human and medical genetics laboratories



Career opportunities

Many of the career options are research oriented. Research is conducted in cooperation with medical teams at private and government research laboratories, pharmaceutical firms, universities, veterinary and industrial institutions. Further study can lead to careers in genetic counselling and psychology.



Minimum admission requirements

	Minimum requirements for NSC/IEB for 2026							
	Achievement level							
Programme	English Home Language or English First Additional Language	anguage or English First Additional Mathematics Physical Sciences		APS				
Bachelor of Science in Human Physiology, Genetics and Psychology [3 years]	5	5	5	32				



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





Refer to the International undergraduate prospectus at www.up.ac.za/programmes > Undergraduate > Admission Information or <u>click here</u> 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.

	Minimum requirements for 2026									
	Achievement level									
	GCSE #				AS Level	IB				
		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.								
FACULTY OF NATURAL AND AGRICULTURAL SCIENCES	Compulsory subjects	CIE	UK	HIGCSE NSSC HL	GCE CIE	GCE CIE	IB SL	IB HL	KOMBI ABITUR	KCSE
Programmes		IGCSE LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE	England Wales Northern Ireland Pearson Edexcel GCSE		NSSC AS	CGCE UACE WAEC ZGCE				
Bachelor of Science in Biochemistry				3 3	C	E E	4 4 4			
Bachelor of Science in Biotechnology										
Bachelor of Science in Ecology	-									
Bachelor of Science in Zoology	_									
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	English	С						3 3	60-69%	В
Bachelor of Science in Medical Sciences	Mathematics	C	4 4						60-69%	В
Bachelor of Science in Microbiology	Physics	С	4	3	C			3	60-69%	В
Bachelor of Science in Plant Science	Chemistry	С	4	3	С	E	4	3	60-69%	В
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										

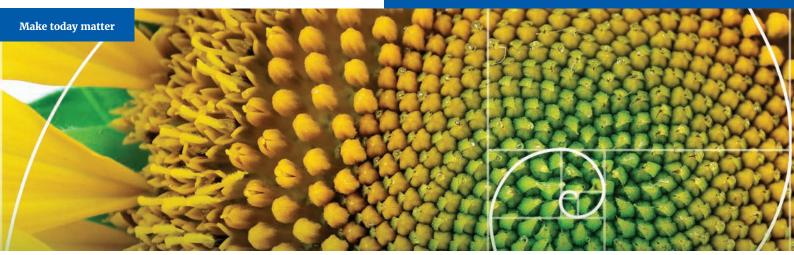


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FACULTY OF NATURAL AND AGRICULTURAL SCIENCES		CIE	Northern Ireland Pearson I Edexcel L GCSE	HIGCSE NSSC HL	GCE CIE NSSC AS	GCE CIE CGCE UACE WAEC ZGCE	IB SL	IB HL	KOMBI ABITUR	KCSE	
Programmes		IGCSE LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE									
Bachelor of Science in Food Science											
Bachelor of Science in Food Management [Option: Culinary Science]											
Bachelor of Science in Food Management [Option: Nutritional Science]	English Mathematics Physics										
Bachelor of Science in Agriculture in Agricultural Economics in Agribusiness Management		y C C	C 4 C 4 C 4	3 3 3	C C C	E E E	4 4 4 4	3 3 3 3	60-69% 60-69% 60-69% 60-69%	B B B	
Bachelor of Science in Agriculture in Animal Science	Chemistry										
Bachelor of Science in Agriculture in Plant Pathology											
Bachelor of Science in Agriculture in Applied Plant and Soil Sciences											
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											
Bachelor of Science in Applied Mathematics	English Mathematics	C B	4 5	3 2	C B	E D	4 5	3	60-69% 70-79%	B B+	
Bachelor of Science in Mathematical Statistics	iviaciieiliatics		3				J	4	70-7970	Бт	
Bachelor of Consumer Science specialising in Clothing and Retail Management Bachelor of Consumer Science	English Mathematics	C D	4 3	3	C D	E E	4 2	3 2	60-69% 50-59%	B C+	
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



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Make today matter

				Minim	um require	ments for 2	026			
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Programmes		LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE	Wales Northern Ireland Pearson Edexcel GCSE		AS	UACE WAEC ZGCE				
Bachelor of Science in Mathematics [4-year programme]	English Mathematics	D C	3 4	3 3	0 0	E E	2 4	2 3	58% 65%	B- B
Bachelor of Science in Chemistry [4-year programme]										
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]	English Mathematics Physics Chemistry	D D D	3 3 3 3	3 3 3 3	D D D	E E E	2 2 2 2	2 2 2 2	58% 58% 58% 58%	B- B-
Bachelor of Science in Ecology [4-year programme]										B- B-
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.

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