



Make today matter

The Bachelor of Science in Entomology programme provides exciting insights into insect diversity, conservation, ecology, and physiology. Graduates can contribute to the protection of crops, livestock, human health, and the environment. This programme is ideal for those interested in a career in forensics, environmental affairs, or plant, animal, or public health.



Which companies employ our graduates?

Graduates are employed by various government and international agencies, agricultural industries and research institutes, environmental consultancies, nature conservation agencies, museums, the South African Police Service, and public health research and policy institutes. Graduates can also establish their own businesses in the growing industries of insect production for biological control, animal feed, or human food.



What makes this programme unique?

All of our lecturers are leaders in their fields. They have strong ties to governments, local and international organisations, and industries. This unlocks employment and postgraduate opportunities.



Career opportunities

Graduates find employment as researchers in biological control, curators for entomological collections, environmental consultants and managers, forensic entomologists, specialists in insect pest management, insect-rearing and laboratory technicians, quarantine officers, public health practitioners, and many more.



PROTECT OUR FOOD SUPPLY

Entomologists work with farmers to protect our crops from pest insects. They study pollinators like bees so there are always fruit, vegetables and honey on supermarket shelves.

BENEFIT TO YOU

Healthy fresh foods, grains and juices stay plentiful and affordable.



PROTECT HUMANS AND ANIMALS

Entomologists work to reduce the population of biting or parasitic insects, such as mosquitoes. This keeps them from harming you, your pets and livestock.

BENEFIT TO YOU

Affordable meat and dairy products, along with a lower risk of disease.

What does an ENTOMOLOGIST do?

An entomologist is a scientist who studies or works with insects and related animals. With more species of insects on Earth than any other group of organisms, the work of entomologists is vitally important and affects us all.



CONSERVE OUR FORESTS

Entomologists study how certain insects benefit forests by aiding in decomposition, while others cause harm by damaging or killing trees.

BENEFIT TO YOU

Healthy forests purify the air, regulate the planet's temperature, supply lumber and paper, and serve as habitats for countless plant and animal species.



DEFEND YOUR HOME

Entomologists advise pest management professionals on how to safely prevent and remove indoor pests such as cockroaches, bed bugs, flies, and ants.

BENEFIT TO YOU

A clean, pest-free living space—plus, reduced damage to homes and buildings, and increased property values.

Infographic text sourced and adapted from www.entsoc.org

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 Entomology [3 years]	5	5	5	32



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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 WASSCE 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



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	Achievement level									
	Compulsory subjects	GCSE #		HIGCSE NSSC HL	AS Level	A Level	IB		KOMBI ABITUR	KCSE
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		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	C C C C	4 4 4 4	3 3 3 3	C C C C	E E E E	4 4 4 4	3 3 3 3	60-69% 60-69% 60-69% 60-69%	B B B B
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										
Bachelor of Science in Agriculture in Animal Science										
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	English 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 Applied Mathematics										
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										

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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.

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IELTS – Writing=6; Speaking=6; Reading=6; Listening=6

