



Make today matter

The Bachelor of Science *Entomology* programme gives exciting insights into insect diversity, conservation, ecology and physiology. As a graduate you can help to protect our crops, livestock, human health and the environment. This programme is right for you if you want 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. You could even set up your own business in the growing industries of insect production for biological control, feed for animals or food for humans.

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 help to reduce the number of biting or parasitic insects like mosquitoes. This keeps them from harming you, your pets and livestock.



BENEFIT TO YOU

Affordable meat and dairy products.
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 some insects benefit forests by aiding in decomposition and others harm forests by killing trees.



BENEFIT TO YOU

Healthy forests clean our air, cool the planet, produce lumber and paper, and provide habitat for 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 2025			
	Achievement level			APS
	English Home Language or English First Additional Language	Mathematics	Physical Sciences	
Bachelor of Science <i>Entomology</i> [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)



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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 2025									
	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.								
		CIE	UK		GCE CIE NSSC AS	GCE CIE CGCE UACE WAEC ZIMSEC	IB SL	IB HL		
		IGCSE LGCSE BGCSE SGCSE	England Wales Northern Ireland							
		O Level NSSC OL CGCE UCE NECO WAEC ZIMSEC								
Bachelor of Science <i>Biochemistry</i>	English Mathematics Physics Chemistry									
Bachelor of Science <i>Biotechnology</i>										
Bachelor of Science <i>Ecology</i>										
Bachelor of Science <i>Zoology</i>										
Bachelor of Science <i>Entomology</i>										
Bachelor of Science <i>Genetics</i>										
Bachelor of Science <i>Human Genetics</i>										
Bachelor of Science <i>Human Physiology</i>										
Bachelor of Science <i>Human Physiology, Genetics and Psychology</i>										
Bachelor of Science <i>Medical Sciences</i>		C	4	3	C	E	4	3	60-69%	B
Bachelor of Science <i>Microbiology</i>		C	4	3	C	E	4	3	60-69%	B
Bachelor of Science <i>Plant Science</i>		C	4	3	C	E	4	3	60-69%	B
Bachelor of Science <i>Chemistry</i>										
Bachelor of Science <i>Physics</i>										
Bachelor of Science <i>Geography</i> [Option: Geography and Environmental Science]										
Bachelor of Science <i>Geoinformatics</i>										
Bachelor of Science <i>Geology</i>										
Bachelor of Science <i>Meteorology</i>										
Bachelor of Science <i>Environmental and Engineering Geology</i>										

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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FACULTY OF NATURAL AND AGRICULTURAL SCIENCES Programmes	Minimum requirements for 2025									
	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 SGCSE O Level NSSC OL CGCE UCE NECO WAEC ZIMSEC		England Wales Northern Ireland								
Bachelor of Science <i>Food Science</i>	English Mathematics Physics Chemistry									
Bachelor of Science in Food Management [Option: Culinary Science]										
Bachelor of Science in Food Management [Option: Nutrition]										
Bachelor of Science in Agriculture in Agricultural Economics and 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 <i>Actuarial and Financial Mathematics</i>	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 <i>Mathematics</i>	English Mathematics									
Bachelor of Science <i>Applied Mathematics</i>		C	4	3	C	E	4	3	60-69%	B
Bachelor of Science <i>Mathematical Statistics</i>		B	5	2	B	D	5	4	70-79%	B+
Bachelor of Consumer Science <i>Clothing Retail Management</i>	English Mathematics									
Bachelor of Consumer Science <i>Food Retail Management</i>		C D	4 3	3 3	C D	E E	4 2	3 2	60-69% 50-59%	B C+
Bachelor of Consumer Science <i>Hospitality Management</i>										

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

