



Make today matter



The Bachelor of Science in Meteorology programme focuses on the study of atmospheric processes. An ideal candidate is someone who is fascinated by weather phenomena and is interested in all things concerned with natural science.



What makes this programme unique?

This is the only Meteorology programme offered in South Africa and the SADC region. A student who has successfully completed the Bachelor of Science Honours in Meteorology degree will be regarded as a Class 1 Meteorologist by the World Meteorological Organisation.

The Bachelor of Science Honours in Meteorology degree, which is required to become a professional meteorologist, complies fully with the Manual on the Implementation of Education and Training Standards in Meteorology and Hydrology Volume I – Meteorology.



Which companies employ our graduates?

Meteorologists are employed by institutions involved in the study, interpretation and prediction of weather and climate-related phenomena. Our graduates are employed at:

- The South African Weather Service (SAWS)
- International Weather Services and companies (for instance in New Zealand, Dubai and Australia)
- The Council for Scientific and Industrial Research (CSIR)
- Universities in South Africa and abroad



'I am studying for my BSc in Meteorology because I'm curious about the forces behind weather events like thunderstorms, heat waves, and tropical cyclones. My dream job is to work as a weather forecaster, because providing accurate and timely forecasts is crucial for helping communities prepare for and mitigate the dangers of severe weather. Analysing satellite images and seeing the cloud patterns associated with these powerful systems is amazing!'

Mulisa Mudau – Bachelor of Science in Meteorology



Career opportunities

Researchers

They research all aspects of the weather and climate to improve man's understanding of atmospheric phenomena. Atmospheric modellers use supercomputers to solve complex flow dynamic equations of the atmosphere. The monitoring of air quality and the modelling of the impact of air pollution on society are two important aspects that need to be addressed. Research on climate change is receiving increasing attention.

Weather forecasters

The weather forecaster must analyse data and predict the weather by using models that are run on supercomputers. Weather forecasts are issued on different time scales, from very short-range forecasting to forecasts that are valid for months ahead, as well as seasonal forecasts. Private positions for people with this qualification include presenting the weather forecast on television.

Climatologists

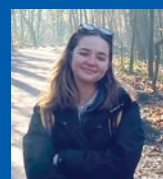
They manage essential data sets that contain large volumes of information gathered by the SAWS and other organisations.

Consultants

Some meteorologists who work as consultants in the private sector and at universities provide specialised research services.

Lecturers

A few academic positions for meteorologists and climatologists are available at South African universities.



'I have a passion for Meteorology because it propels me beyond the confines of conventional thinking, allowing me to delve into the intricate workings of our atmosphere each day. Embracing Meteorology opens doors to a realm where every cloud, breeze, and storm becomes a captivating puzzle waiting to be solved, fostering a profound understanding of our planet's dynamic nature.'

Anika Meyer – Bachelor of Science in Meteorology

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 Meteorology [3 years]	5	5	5	34



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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 WAEC WASSCE ZGCE		England Wales Northern Ireland Pearson Edexcel GCSE								
Bachelor of Science in Biochemistry	English Mathematics Physics Chemistry									
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										
Bachelor of Science in Medical Sciences		C	4	3	C	E	4	3	60-69%	B
Bachelor of Science in Microbiology		C	4	3	C	E	4	3	60-69%	B
Bachelor of Science in Plant Science		C	4	3	C	E	4	3	60-69%	B
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)



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	Achievement level									
	Compulsory subjects	GCSE #		HIGCSE NSSC HL	AS Level	A Level	IB		KOMBI ABITUR	KCSE
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Bachelor of Science in Food Science	English Mathematics Physics Chemistry	C	4	3	C	E	4	3	60-69%	B
Bachelor of Science in Food Management [Option: Culinary Science]		C	4	3	C	E	4	3	60-69%	B
Bachelor of Science in Food Management [Option: Nutritional Science]		C	4	3	C	E	4	3	60-69%	B
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										
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	4	3	C	E	4	3	60-69%	B
Bachelor of Science in Applied Mathematics		B	5	2	B	D	5	4	70-79%	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										

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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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