



Make today matter

Culinary Science is a broad-based discipline that combines food chemistry, microbiology, culinary art and food product development, and lends itself to innovation and entrepreneurship. The practical training includes the characterisation of various food ingredients and their utilisation in recipe development. The research component focuses on understanding the functional properties of various food types and their application in the food service industry.

This degree is for those who are not only interested in creating food that tastes and looks great, but also want to understand why food tastes and looks the way it does.

Any candidate wishing to pursue a career in the Culinary Science stream requires not only technical ability, but also has to be an analytical problem solver who pays attention to detail.



What makes this programme unique?

This degree offers a seamless integration of culinary art and science to equip future graduates with a degree embedded in science and technology and tailored to changing culinary trends.



Career opportunities

Culinary scientists, culinologists, sensory analysts, food researchers, food product developers, food service managers, safety and quality assurers, food production managers, entrepreneurs and food legislation experts.



Which companies employ our graduates?

Research institutions, food processing companies (McCain, Enterprise, BRM Foods, Mondelez), flavour houses (McComick, Firmenich), the food service industry (Famous Brands), Leading retailers (Woolworths, Pick n Pay, Checkers), government institutions and various institutions of higher learning.



'I was very excited when I heard about the Bachelor of Science in Food Management [Option: Culinary Science] programme. I enrolled because it offers a perfect mix between food and science, which are two of my major passions. I really enjoy my study programme because it includes cooking and recipe development, but does not neglect the science behind what happens to the food on the molecular level. This degree opens the door to many careers in the food industry, but my dream job is to be a flavour scientist.'

Danae Bezuidenhout – Bachelor of Science in Food Management



'This degree combines the creativity of culinary arts with the rationality of food science and through my studies I have obtained a unique scientific view of food service management. Over the past four years I have realised the importance of consumer satisfaction to both food service managers and food technologists. I believe that my degree will open many doors for me in the future, notably in my main field of interest, which is recipe development. I enjoy applying my specific scientific knowledge while experimenting with food.'

Christine Janik – Bachelor of Science in Food Management

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 Food Management Option: Culinary Science [4 years]	5	5	5	32



UNIVERSITEIT VAN PRETORIA
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YUNIBESITHI YA PRETORIA

Faculty of Natural and Agricultural Sciences

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

Minimum requirements for
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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.															
		CIE	UK		GCE CIE NSSC AS	GCE CIE CGCE UACE WAEC ZGCE	IB SL	IB HL									
Bachelor of Science in Biochemistry	English Mathematics Physics Chemistry	IGCSE	England	3	C	E	4	3	60-69%	B							
Bachelor of Science in Biotechnology		LGCSE	Wales								3	C	E	4	3	60-69%	B
Bachelor of Science in Ecology		BGCSE	Northern								3	C	E	4	3	60-69%	B
Bachelor of Science in Zoology		EGCSE	Ireland								3	C	E	4	3	60-69%	B
Bachelor of Science in Entomology			Pearson								3						
Bachelor of Science in Genetics			Edexcel								3						
Bachelor of Science in Human Genetics			GCSE								3						
Bachelor of Science in Human Physiology		O Level															
Bachelor of Science in Human Physiology, Genetics and Psychology		NSSC OL															
Bachelor of Science in Medical Sciences		CGCE															
Bachelor of Science in Microbiology		UCE															
Bachelor of Science in Plant Science		NECO															
Bachelor of Science in Chemistry		WAEC															
Bachelor of Science in Physics		WASSCE															
Bachelor of Science in Geography [Option: Geography and Environmental Science]		ZGCE															
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



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CIE	UK	GCE CIE NSSC AS	GCE CIE CGCE UACE WAEC ZGCE	IB SL	IB HL	KOMBI ABITUR	KCSE			
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 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 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									
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										

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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 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]										

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