

Faculty of Natural and Agricultural Sciences

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

Bachelor of Science in Agriculture in Animal Science

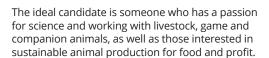


Make today matter

Livestock, pig and poultry production is one of the major sectors in South African agriculture and contributes substantially to the economy of the country. Animal Science is the science of livestock production, with a focus on animal breeding and genetics, animal nutrition, and production animal physiology (growth and reproduction physiology).

Animal science covers all aspects of animal production and animal welfare in intensive and extensive production systems. This includes the husbandry of several livestock species (cattle, sheep, goats, pigs, poultry, ostriches and horses), and the products derived from them (meat, milk and dairy products, wool, mohair, eggs, skins, leather and feathers). It also includes the nutrition and breeding of companion animals.

Who is the ideal candidate?





What makes this programme unique?

Bachelor of Science in Agriculture in Animal Science graduates can register as professional animal scientists and make a meaningful contribution to improve animal husbandry practices and sustainable food production for profit.

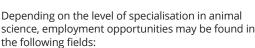
Which companies employ our graduates?



Our graduates are employed by:

- Animal feed companies and feed mills
- Pharmaceutical companies
- Agricultural Research Council
- Universities and Universities of Technology
- Private consultants
- Agricultural co-operations
- Semen and embryo collection and artificial insemination companies
- Breeders' societies
- SA Studbook
- Nature reserves and game farms
- NGOs and Department of Agriculture

Career opportunities



- Agricultural development institutions (eg NGOs, Department of Agriculture)
- Animal husbandry industry (eg feed companies, small or large livestock production systems ranging from small farms to large systems like feedlots or abattoirs, and animal breeding companies, animal breed societies, or in the corporate sector)
- Animal products industry (eg dairy and poultry products)
- Breeding organisations (eg breeders' societies, SA Studbook)
- Consultancy and advisory services (eg private consultant, agricultural co-operations)
- Educational institutions (eg universities, technical colleges)
- Feed industry (eg animal feed production companies)
- Legislative/regulative institutions (eg Department of Agriculture)
- Nature conservation institutions (eg nature reserves, game farms)
- Pharmaceutical industry (eg pharmaceutical companies)
- Research institutions (eg the Agricultural Research Council)
- Semen and embryo collection and artificial insemination companies



Minimum admission requirements

Programme	Minimum requirements for NSC/IEB for 2025						
	Achievement level						
	English Home Language or English First Additional Language	Mathematics	Physical Sciences	APS			
Bachelor of Science in Agriculture in Animal Science [4 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 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.

				Minim	um require	ments for 2	025				
		Achievement level									
	GCSE #				AS Level A Level			IB			
		two column be conside conditional If final A A levels h completed columns wi It can also for final adr	ations in the is below will red only for a diminision. S and/or eave been these two ll not apply, not be used nission and/tration.								
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 SGCSE O Level NSSC OL CGCE UCE NECO WAEC ZIMSEC	SE Wales SE Northern SE Ireland Vel OL SE SE E O OC	N33C III	NSSC AS	CGCE UACE WAEC ZIMSEC			AUTON		
Bachelor of Science Biochemistry		CCCC		3 3 3 3	C C C	E E E	4 4 4 4	3 3 3 3	60-69% 60-69%		
Bachelor of Science Biotechnology			4 4 4								
Bachelor of Science <i>Ecology</i>											
Bachelor of Science Zoology											
Bachelor of Science Entomology											
Bachelor of Science Genetics											
Bachelor of Science Human Genetics											
Bachelor of Science Human Physiology											
Bachelor of Science Human Physiology, Genetics and Psychology	English									D	
Bachelor of Science Medical Sciences	English Mathematics									B B B	
Bachelor of Science Microbiology	Physics								60-69%		
Bachelor of Science Plant Science	Chemistry		4						60-69%	В	
Bachelor of Science Chemistry											
Bachelor of Science Physics											
Bachelor of Science <i>Geography</i> [Option: Geography and Environmental Science]											
Bachelor of Science Geoinformatics											
Bachelor of Science Geology											
Bachelor of Science Meteorology											
Bachelor of Science <i>Environmental and Engineering Geology</i>											



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	Minimum requirements for 2025									
	Achievement level									
	GCSE #				AS Level A Level			В		
		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 SGCSE O Level NSSC OL CGCE UCE NECO WAEC ZIMSEC	England Wales Northern Ireland		NSSC AS	CGCE UACE WAEC ZIMSEC				
Bachelor of Science Food Science		ZIMSEC								
Bachelor of Science in Food Management [Option: Culinary Science] Bachelor of Science in Food Management		С	4 4 4 4	3 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
[Option: Nutrition]										
Bachelor of Science in Agriculture in Agricultural Economics and 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 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 Mathematics										
Bachelor of Science Applied Mathematics Bachelor of Science Mathematical Statistics	English Mathematics	C B	4 5	3 2	C B	E D	4 5	3 4	60-69% 70-79%	B B+
Bachelor of Consumer Science Clothing Retail Management	English Mathematics	C S D	4 3	3 3	C D	E E	4 2	3 2	60-69% 50-59%	
Bachelor of Consumer Science Food Retail Management										B C+
Bachelor of Consumer Science Hospitality 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

