



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?



The ideal candidate is someone who has a passion for science and working with livestock, game and companion animals, as well as those interested in sustainable animal production for food and profit.

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



Depending on the level of specialisation in animal science, employment opportunities may be found in the following fields:

- 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			APS
	English Home Language or English First Additional Language	Mathematics	Physical Sciences	
Bachelor of Science in Agriculture in Animal Science [4 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
		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										
Bachelor of Science in Agriculture in Applied Plant and Soil Sciences										
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

