

CHAPTER 4

AGRICULTURE EDUCATION AND TRAINING AT UNIVERSITIES DURING THE 2024 AND 2025 ACADEMIC YEARS

4.1 Introduction

There are sixteen universities that offer AET programmes in South Africa and they are Fort Hare, Free State, Johannesburg, KwaZulu - Natal, Limpopo, North - West, Mpumalanga, Sol – Plaatjie, Nelson Mandela Metropolitan, Rhodes, Pretoria, Stellenbosch, South Africa, Venda, Western Cape and Zululand. Majority of these institutions offer agriculture qualifications from NQF level 5 to 10, that is programmes from higher certificate to Doctor of Philosophy (PhD) level.

4.2 Agriculture Education and Training programmes and National Qualifications Framework offered at universities during the 2025 academic year

Universities offer various agricultural programmes which vary in terms of scope as tabulated below;

Table 42: Agricultural programmes offered by universities during the 2025 academic year

	Fort Hare	North - West	Nelson Mandela Metropolitan	Cape Town	Free State	KwaZulu-Natal	Limpopo	Rhodes	Pretoria	South Africa	Stellenbosch	Venda	Walter Sisulu	Johannesburg	Western Cape	Mpumalanga	Sol - Plaatjie	Zululand
Undergraduate degree Programmes																		
Higher Certificate in Animal Welfare										X								
Diploma in Agricultural Management										X								
Diploma in Animal Health										X								
Diploma in Agricultural Management			X														X	
Diploma in Agricultural Extension			X															
Diploma in Agribusiness																		X
Diploma in Agronomy																		X
Diploma in Animal Science																		X
Diploma in Biotechnology														X				
Diploma in Food Technology														X				

Table 42: Agricultural programmes offered by universities during the 2025 academic year

[illegible]

Table 42: Agricultural programmes offered by universities during the 2025 academic year

[illegible]

Table 42: Agricultural programmes offered by universities during the 2025 academic year

	Fort Hare	North - West	Nelson Mandela Metropolitan	Cape Town	Free State	KwaZulu-Natal	Limpopo	Rhodes	Pretoria	South Africa	Stellenbosch	Venda	Walter Sisulu	Johannesburg	Western Cape	Mpumalanga	Sol - Plaatjie	Zululand
BSc Agric Animal Production	X						X				X							
BSc Agric Animal Science	X				X				X		X							X
BSc Agric Crop Science	X																	
BSc Agric Soil Science	X				X		X											
BSc Agricultural Economics and Agronomy		X																
BSc Agric Agronomy and Horticulture		X																
BSc Agric Agronomy and Soil Science		X																
BSc Agric Crop Production		X			X													
Postgraduate Diploma in Sustainable Agriculture					X													
BSc Plant Breeding					X						X							
BSc Plant Pathology					X				X									
BSc Wildlife Management					X													
Postgraduate Diploma in Food Security						X												
BSc Geography						X												
BSc Plant Production							X											
BSc Natural and Agricultural Science									X									
BSc Ext Biological and Agricultural Science									X									
BSc Geology									X									
BSc Engineering and Env Geology									X									
BSc Food Management Sciences									X									
BSs Food Management and Nutrition									X									
BSc Agribusiness Management									X		X	X						

Table 42: Agricultural programmes offered by universities during the 2025 academic year

[illegible]

Table 42: Agricultural programmes offered by universities during the 2025 academic year

[illegible]

Table 42: Agricultural programmes offered by universities during the 2025 academic year

[illegible]

Table 42: Agricultural programmes offered by universities during the 2025 academic year

[illegible]

Table 42: Agricultural programmes offered by universities during the 2025 academic year

	Fort Hare	North - West	Nelson Mandela Metropolitan	Cape Town	Free State	KwaZulu-Natal	Limpopo	Rhodes	Pretoria	South Africa	Stellenbosch	Venda	Walter Sisulu	Johannesburg	Western Cape	Mpumalanga	Sol - Plaatjie	Zululand
PhD Geology									X									
PhD Engineering Geology									X									
PhD Microbiology					X				X									
PhD Meteorology									X									
PhD Medicinal Plant Science									X									
PhD Plant Science									X									X
PhD Agrarian Extension									X									
PhD Rural Development									X									
PhD Biotechnology									X						X			
PhD Food Management									X									
PhD Urban and Regional Planning					X													
PhD Veterinary Science									X									
PhD Viticulture											X							
PhD Wine Biotechnology											X							
PhD Veterinary Tropical Diseases									X									

Table 43 below outlines the NQF ratings at universities i.e. the programme levels and matching NQF levels of the programmes as mandated by the Council on Higher Education;

Table 43: NQF levels at universities		
NQF level	Band	Types of qualifications
10	Higher Education and Training Band	Doctorate
9		Master's degree
8		Honours degree and Postgraduate Diploma
7		Advanced Diploma and Bachelor's degree
6		Diplomas
5		Higher Certificate

The rating of university programmes in terms of NQF standards precisely resembles that of universities of technology. The lowest agricultural qualification offered at universities is the NQF level 5 (higher certificate) and the highest qualification is NQF level 10 which is PhD level.

4.3 Enrolments in Agriculture Education and Training programmes at universities during the 2025 academic year

Table 44 below presents enrolment figures at universities during the 2025 academic year

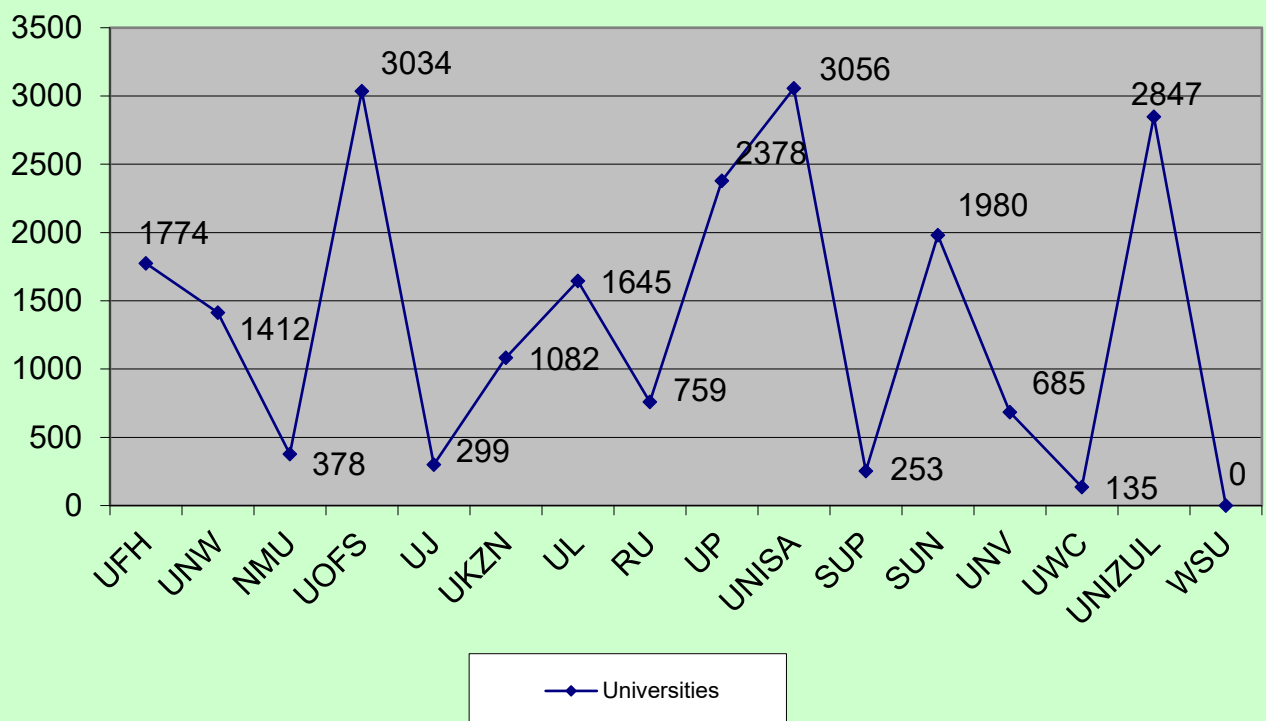
Table 44: AET enrolment figures at universities in 2025		
Name of the university	Number of enrolments	Percentage (%)
UFH	1774	8
UNW	1412	7
NMU	378	2
UOFS	3034	14
UJ	299	1
UKZN	1082	5
UL	1645	8
RU	759	3
UP	2378	11
UNISA	3056	14
SUP	253	1
SUN	1980	9
UNV	685	3
UWC	135	1
UNIZUL	2847	13
WSU*	0	0
Total	21717	100

*outstanding data

A total number of 21 717 students were enrolled in different agricultural programmes during the 2025 academic year. The enrolment figures as illustrated above indicates that the University of South Africa and University of the Free State registered a significant number of students with 14% respectively, followed by University of Zululand with 13%, University of Pretoria with 11%, Stellenbosch University with 9% and University of Limpopo and Fort Hare with 8% respectively. University of North - West contributed 7% of the total number of enrolments while University of KwaZulu Natal constituted 5%. Rhodes University, University of Venda and Nelson Mandela Metropolitan University constituted 3% and 2% respectively. The least number of enrolments were recorded at University of Johannesburg, Sol Plaatjie University and University of Western Cape with 1% of the overall enrolments during the 2025

academic year. No data was received from the following universities; Cape Town, Walter Sisulu, and Mpumalanga.

Figure 97: Enrolments at universities

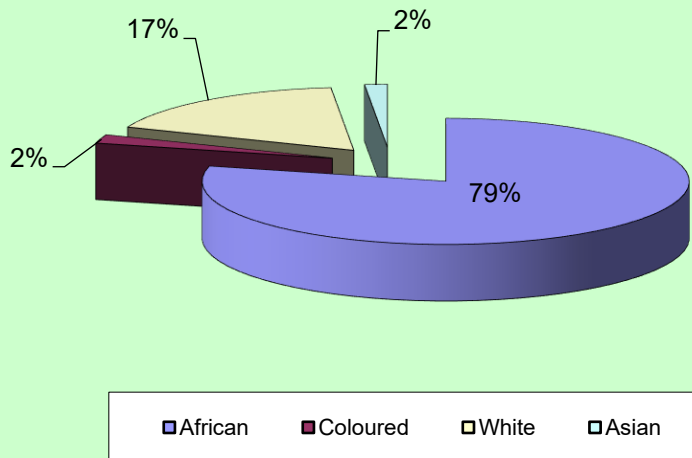


It has been a trend in the past academic years that institutions that offer many agricultural programmes had the highest number of enrolments than institutions that offer few programmes, same was the case during the 2025 academic year where institutions like Nelson Mandela Metropolitan University, University of Johannesburg and University of the Western Cape which offer fewer agriculture education and training programmes recorded less number of enrolments.

4.3.1 Demographic breakdown of Agriculture Education and Training enrolments in 2025

Table 45: Demographic breakdown of AET enrolments by gender and race in 2025													
Name of the university	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
University of Fort Hare	861	908	1769	0	2	2	3	0	3	0	0	0	1774
University of North - West	454	586	1040	10	8	18	265	88	353	0	1	1	1412
Nelson Mandela Metropolitan University	142	225	367	0	2	2	8	1	9	0	0	0	378
University of Free State	933	1592	2525	27	32	59	227	198	425	10	15	25	3034
University of Johannesburg	68	227	295	1	0	1	0	0	0	1	2	3	299
University of KwaZulu-Natal	639	428	1067	5	0	5	4	0	4	5	1	6	1082
University of Limpopo	672	970	1642	0	1	1	0	0	0	1	1	2	1645
Rhodes University	186	483	669	5	18	23	17	32	49	6	12	18	759
University of Pretoria	304	433	737	21	68	89	399	967	1366	52	134	186	2378
University of South Africa	680	1974	2654	11	36	47	63	256	319	17	19	36	3056
Sol Plaatjie University	50	200	250	1	2	3	0	0	0	0	0	0	253
University of Stellenbosch	235	295	530	74	86	160	619	634	1253	12	25	37	1980
University of Venda	401	284	685	0	0	0	0	0	0	0	0	0	685
University of Walter Sisulu	0	0	0	0	0	0	0	0	0	0	0	0	0
University of Western Cape	19	41	60	19	41	60	5	4	9	2	4	6	135
University of Zululand	935	1899	2834	1	5	6	1	0	1	2	4	6	2847
Total	6579	10545	17124	175	301	476	1611	2180	3791	108	218	326	21717

Figure 98: Racial breakdown of AET enrolments at universities



As depicted in figure 98 above Africans dominated the number of AET enrolments at the universities during the 2025 academic year with 79%, followed by Whites with 17%, Coloureds and Asians contributed 2% respectively.

Figure 99: Gender breakdown of AET enrolments at universities

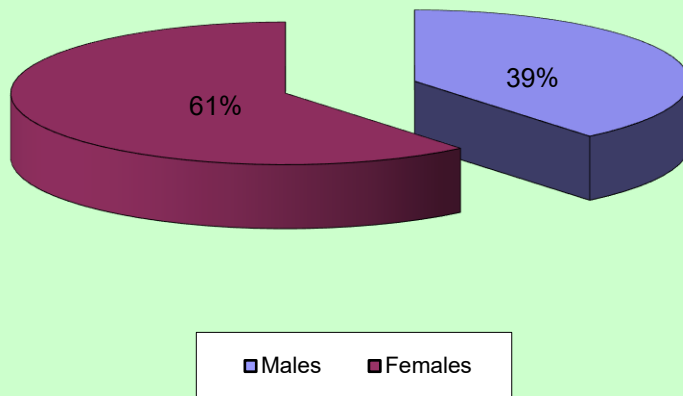


Figure 99 above illustrates the gender breakdown of AET enrolments at universities during the 2025 academic year, females accounted for 61% whilst males accounted for 39%.

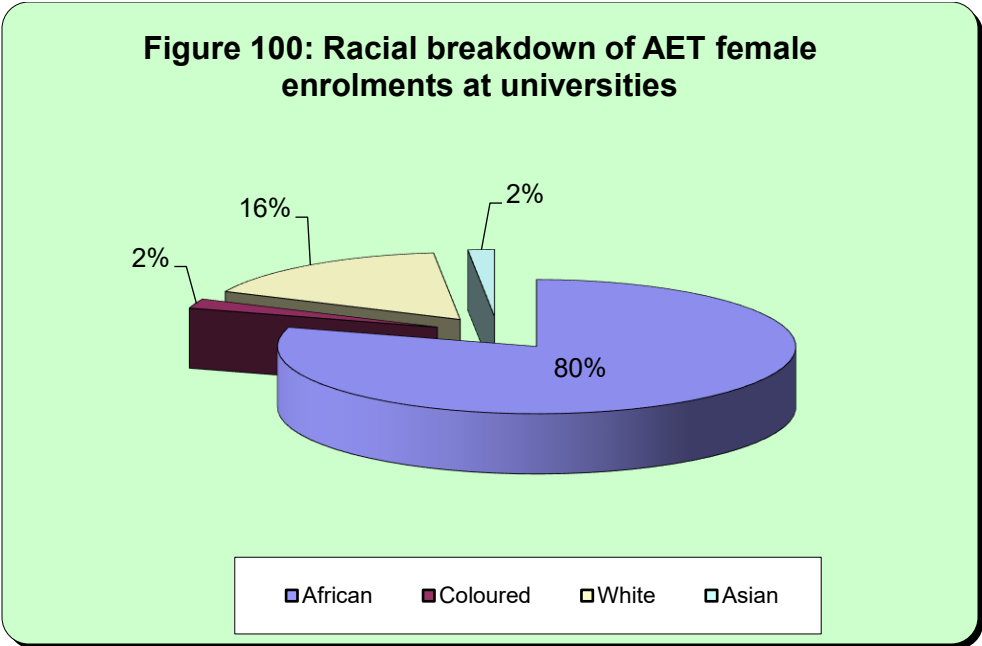


Figure 100 above indicates that African females dominated female enrolments at universities during the 2025 academic year with 80%, followed by Whites with 16%. Asian and Coloured female enrolments contributed 2% respectively.

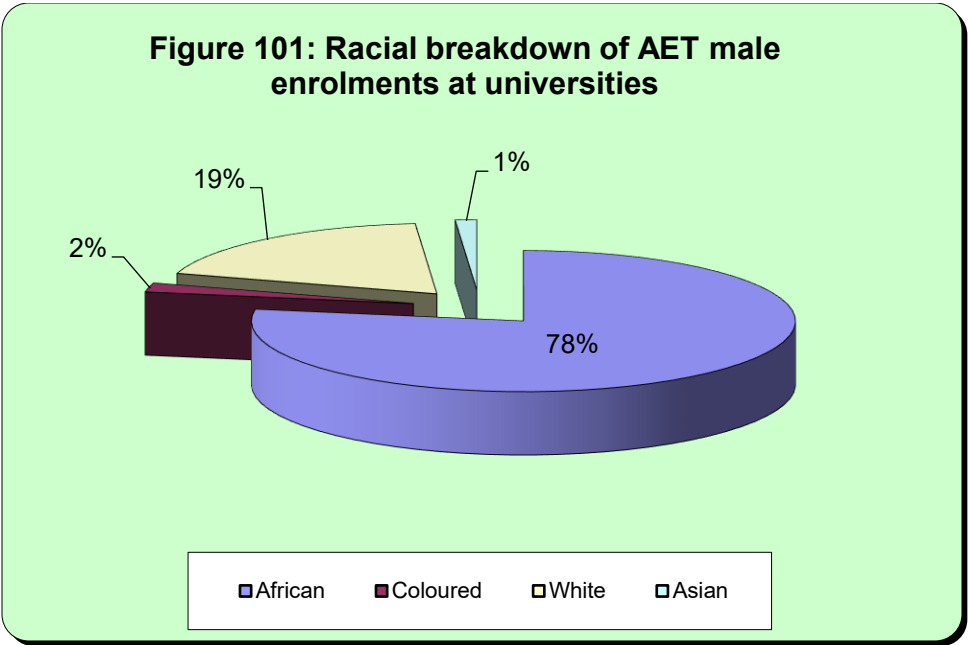


Figure 101 above illustrates that African males dominated the number of male enrolments at universities during the 2025 academic year with 78%, followed by Whites with 19%. Coloured and Asian males constituted 2% and 1% respectively.

4.3.2 Agriculture Education and Training enrolments at universities by CESM during the 2025 academic year

Table 46 below presents enrolments by Category of Education Subject Matter (CESM) during the 2025 academic year.

Table 46: Agriculture enrolments by CESM and academic level during the 2025 academic year					
CESM	Undergraduate	Honour's	Master's	PhD	Total
Agricultural Business and Management	2679	1335	297	126	4437
Agricultural Mechanization	6	54	1	5	66
Agricultural Production Operations	896	1091	123	0	2110
Applied Horticulture and Horticultural Business Services	0	161	72	18	251
Animal Sciences	2956	826	215	110	4107
Plant Sciences	306	642	255	170	1373
Soil Sciences	78	473	63	28	642
Food Science and Technology, Nutrition and Related Services	709	95	73	46	923
Agriculture, Agricultural Operations and Related Sciences, Other	1257	642	154	301	2354
Botany	525	21	33	30	609
Biochemistry and Chemistry	1452	75	65	54	1646
Microbiology	414	34	53	23	524
Zoology	280	29	38	28	375
Genetics	133	28	4	16	181
Biotechnology	161	24	60	57	302
Viticulture and Oenology	242	9	47	21	319
Veterinary Science	139	1057	189	113	1498
Total	12233	6596	1742	1146	21717
%	56	30	8	6	100

The focus of table 46 above is on the AET enrolments by CESM per level of qualification. Table 46 further indicates that Undergraduate degree level dominated the overall AET enrolments with 56%, followed by Honours with 30%. Master's and PhD enrolled the least number of students with 8% and 6% respectively.

4.3.3 Breakdown of Agriculture undergraduate degree enrolments by CESM during the 2025 academic year

Table 47: Enrolments at undergraduate degree level by CESM in 2025													
CESM Category (Undergraduate)	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Agricultural Business and Management	908	1372	2280	14	16	30	278	86	364	4	1	5	2679
Agricultural Mechanization	0	1	1	0	0	0	4	1	5	0	0	0	6
Agricultural Production Operations	190	332	522	21	16	37	191	143	334	2	1	3	896
Applied Horticulture and Horticultural Business Services	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal Sciences	636	1870	2506	12	39	51	78	293	371	12	16	28	2956
Plant Sciences	105	164	269	3	1	4	16	13	29	2	2	4	306
Soil Sciences	2	19	21	2	0	2	36	17	53	2	0	2	78
Agriculture, Agricultural Operations and Related Sciences, Other	474	701	1175	4	7	11	60	8	68	2	1	3	1257
Food Nutrition Science and Technology	165	350	515	8	23	31	13	138	151	2	10	12	709
Biochemistry and Chemistry	409	993	1402	1	11	12	9	24	33	2	3	5	1452
Botany	186	315	501	1	5	6	5	9	14	0	4	4	525
Microbiological Science	113	289	402	0	3	3	3	3	6	0	3	3	414
Zoology	78	179	257	3	3	6	5	8	13	1	3	4	280
Genetics	33	67	100	4	5	9	7	15	22	0	2	2	133
Biotechnology	16	34	50	3	7	10	1	88	89	2	10	12	161
Viticulture and Oenology	10	21	31	9	10	19	81	107	188	0	4	4	242
Veterinary Science	15	32	47	0	5	5	1	78	79	0	8	8	139
Total	3340	6739	10079	85	151	236	788	1031	1819	31	68	99	12233
	82			2			15			1			100

Table 47 above indicates that Animal Science dominated enrolments at Undergraduate degree level with 24%, followed by Agricultural Business and Management with 22%, Biochemistry and Chemistry with 12% and Agricultural Operations and Related Sciences, Other with 10%. The lowest enrolment figures at Undergraduate degree level were recorded at Agricultural Mechanization, Soil Science, Genetics, Biochemistry and Chemistry and Veterinary Science with 1% respectively.

Africans constituted 82% at Undergraduate degree level, followed by Whites with 15%. Asian and Coloured students constituted 2% and 1% respectively. Table 48 below outlines enrolments at Honours degree level in 2025.

Table 48: Enrolments at Honours degree level by CESM in 2025														
CESM (Honours)	Category	African			Coloured			White			Asian			Total
		M	F	T	M	F	T	M	F	T	M	F	T	
Agricultural Business and Management		561	629	1190	11	5	16	90	35	125	1	3	4	1335
Agricultural Mechanization		32	20	52	2	0	2	0	0	0	0	0	0	54
Agricultural Production Operations		493	594	1087	1	0	1	2	0	2	1	0	1	1091
Applied Horticulture and Horticultural Business Services		94	67	161	0	0	0	0	0	0	0	0	0	161
Animal Sciences		284	323	607	5	3	8	69	124	193	14	4	18	826
Plant Sciences		259	192	451	4	1	5	124	56	180	4	2	6	642
Soil Sciences		235	209	444	0	0	0	21	8	29	0	0	0	473
Food Nutrition Science and Technology		51	44	95	0	0	0	0	0	0	0	0	0	95
Agriculture, Agricultural Operations and Related Sciences, Other		174	346	520	3	3	6	56	45	101	4	11	15	642
Biochemistry and Chemistry		18	49	67	0	2	2	0	5	5	0	1	1	75
Botany		3	13	16	0	3	3	0	0	0	1	1	2	21
Microbiological Sciences		4	28	32	0	1	1	1	0	1	0	0	0	34
Zoology		7	11	18	0	0	0	2	7	9	1	1	2	29
Genetics		2	15	17	1	1	2	2	7	9	0	0	0	28
Biotechnology		1	12	13	2	8	10	0	0	0	0	1	1	24
Viticulture and Oenology		1	3	4	0	2	2	1	2	3	0	0	0	9
Veterinary Science		71	123	194	15	43	58	174	493	667	36	102	138	1057
Total		2290	2678	4968	44	72	116	542	782	1324	62	126	188	6596
				75			2			20			3	100

During the 2025 academic year Agriculture Business and Management recorded the highest number of Honours degree enrolments with 20%, followed by Agricultural Production Operations with 17%, Veterinary Science with 16%, Animal Science with 13%, Agriculture, Agricultural Operations and Related Sciences, Other and Plant Science with 10% respectively. Other CESM's recorded less than 10% of the overall Honours degree enrolments.

Africans constituted majority of enrolment figures at Honours degree level during the 2025 academic year with 75%, followed by Whites with 20%. Asian and Coloured enrolments accounted for 3% and 2% respectively. Table 49 below outlines enrolment figures at Master's degree level in 2025.

Table 49: Enrolments at Master's degree level by CESM in 2025													
CESM Category (Masters)	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Agricultural Business and Management	104	163	267	2	0	2	20	8	28	0	0	0	297
Agricultural Mechanization	0	0	0	0	0	0	0	0	0	0	1	1	1
Agricultural Production Operations	27	28	55	0	0	0	29	39	68	0	0	0	123
Applied Horticulture and Horticultural Business Services	16	26	42	1	2	3	15	12	27	0	0	0	72
Animal Sciences	71	86	157	1	4	5	22	30	52	1	0	1	215
Plant Sciences	69	97	166	5	8	13	38	35	73	2	1	3	255
Soil Sciences	26	28	54	0	0	0	6	3	9	0	0	0	63
Food Science Nutrition and Technology	19	24	43	0	1	1	4	24	28	0	1	1	73
Agriculture, Agricultural Operations and Related Sciences, Other	51	79	130	0	0	0	14	9	23	1	0	1	154
Biochemistry and Chemistry	26	29	55	1	0	1	2	4	6	2	1	3	65
Botany	11	18	29	0	0	0	3	1	4	0	0	0	33
Microbiological Sciences	6	35	41	1	2	3	2	6	8	0	1	1	53
Zoology	8	17	25	1	2	3	5	5	10	0	0	0	38
Genetics	0	2	2	0	0	0	1	1	2	0	0	0	4
Biotechnology	7	14	21	13	19	32	2	2	4	2	1	3	60
Viticulture and Oenology	3	8	11	4	6	10	12	14	26	0	0	0	47
Veterinary Science	38	49	87	0	5	5	19	69	88	3	6	9	189
Total	482	703	1185	29	49	78	194	262	456	11	12	23	1742
	68			4			26			1			100

Table 49 above indicates that Agriculture Business and Management dominated the overall Master's degree enrolments during the 2025 academic year with 17%, followed by Plant Science with 15%, Animal Science with 12% and Veterinary Science with 11%. Other CESM's contributed less than 10% of the Master's degree enrolments.

Africans dominated the overall Master's degree enrolments with 68%, followed by Whites with 26%. Coloureds and Asians constituted 4% and 1% respectively. Table 50 presents enrolments at PhD level during the 2025 academic year.

Table 50: Enrolments at PhD level by CESM in 2025													
CESM Category (PhD)	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Agricultural Business and Management	72	48	120	1	0	1	3	2	5	0	0	0	126
Agricultural Production Operations	3	2	5	0	0	0	0	0	0	0	0	0	5
Agricultural Mechanization	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal Sciences	48	30	78	0	1	1	15	15	30	0	1	1	110
Plant Sciences	69	59	128	4	2	6	14	18	32	0	4	4	170
Soil Sciences	15	8	23	1	0	1	2	1	3	0	1	1	28
Food Science and technology, Nutrition and Related Sciences	17	24	41	2	1	3	1	1	2	0	0	0	46
Agriculture, Agricultural Operations and Related Sciences, Other	142	135	277	4	1	5	7	11	18	1	0	1	301
Applied Horticulture and Horticultural Business Services	10	7	17	0	0	0	0	0	0	1	0	1	18
Biochemistry and Chemistry	19	17	36	0	0	0	7	9	16	0	2	2	54
Botany	6	18	24	0	0	0	1	5	6	0	0	0	30
Zoology	11	8	19	0	0	0	6	2	8	0	1	1	28
Genetics	2	3	5	0	0	0	3	7	10	1	0	1	16
Biotechnology	11	19	30	4	14	18	3	3	6	1	2	3	57
Microbiology	3	12	15	0	0	0	5	3	8	0	0	0	23
Viticulture and Oenology	2	3	5	1	4	5	7	4	11	0	0	0	21
Veterinary Science	38	31	69	0	6	6	13	24	37	0	1	1	113
Total	468	424	892	17	29	46	87	105	192	4	12	16	1146
	78			4			17			1			100

During the 2025 academic year, PhD level in agricultural programmes was dominated by, Agriculture, Agricultural Operations and Related Sciences, Other with 26%, followed by Plant Science with 15%, Agriculture Business and Management with 11%, Animal Science and Veterinary Science with 10% respectively. Other CESM's contributed less than 10% of the overall PhD enrolments during the 2025 academic year.

Africans dominated enrolments at PhD Level with 78%, followed by Whites with 17%, Coloureds with 4% and Asians with just 1%.

4.3.3.1 Agricultural Business and Management enrolments at universities during the 2025 academic year

Four thousand four hundred and thirty - seven (4 437) students registered in this CESM during the 2025 academic year. Programmes in this CESM were offered by Universities of Fort Hare, Free State, Venda, Limpopo, KwaZulu-Natal, Nelson Mandela Metropolitan, North - West, South Africa, Zululand, Stellenbosch and Pretoria.

Agricultural Business and Management includes programmes in: Agribusiness/Agricultural Business operations, Agricultural Economics, Agricultural/Farm Supplies, Agricultural Business Technology, Agricultural Extension and Agricultural Business and Management, Other.

Table 51 below presents a demographic breakdown of Agricultural Business and Management enrolments during the 2025 academic year by academic level.

Table 51: Demographic breakdown of Agricultural Business and Management enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	908	1372	2280	14	16	30	278	86	364	4	1	5	2679
Honours	561	629	1190	11	5	16	90	35	125	1	3	4	1335
Master's	104	163	267	2	0	2	20	8	28	0	0	0	297
PhD	72	48	120	1	0	1	3	2	5	0	0	0	126
Total	1645	2212	3857	28	21	49	391	131	522	5	4	9	4437

During the 2025 academic year Undergraduate degree level constituted 60% of the total number of enrolments in this CESM, followed by Honours degree with 30%, Master's with 7% and PhD level with 3% of the overall undergraduate degree enrolments in this CESM.

Figure 102: Racial breakdown of Undergraduate degree enrolments in Agricultural Business and Management

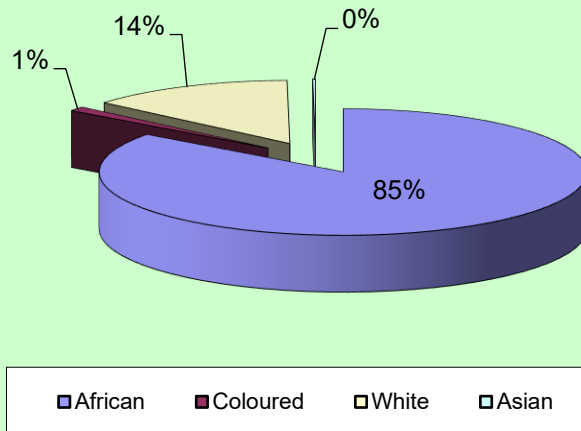


Figure 102 above depicts that Africans dominated the Undergraduate degree enrolments in this CESM with 85%, followed by Whites with 14%. Coloureds accounted for 1% and Asians constituted less than 1% of the total number of enrolments in this CESM at this level during the 2025 academic year.

Figure 103: Gender breakdown of Undergraduate degree enrolments in Agricultural Business and Management

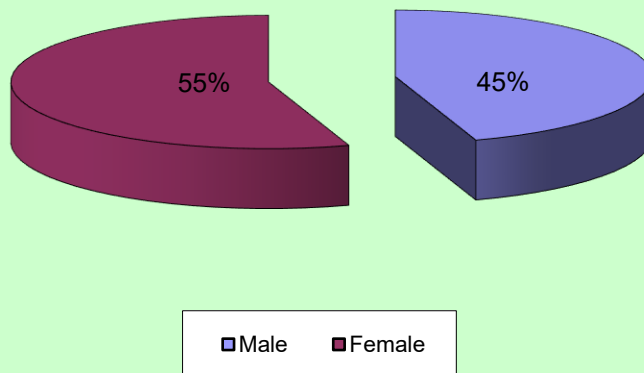


Figure 103 above illustrates that females dominated the Undergraduate degree enrolments in this CESM at this level with 55% whilst males constituted 45%.

One thousand three hundred and thirty - five (1 335) students enrolled at Honours degree level in Agricultural Business and Management during the 2025 academic year.

Figure 104: Racial breakdown of Honours degree enrolments in Agricultural Business and Management

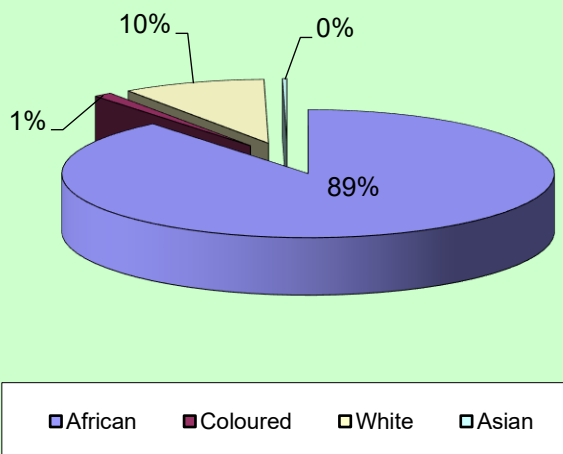


Figure 104 above illustrates that Africans dominated the Honours degree enrolments in this CESM with 89%, followed by Whites with 10%. Coloureds accounted for 1% and Asians with less than 1% of the overall Honours degree enrolments in this CESM during the 2025 academic year.

Figure 105: Gender breakdown of Honours degree enrolments in Agricultural Business and Management

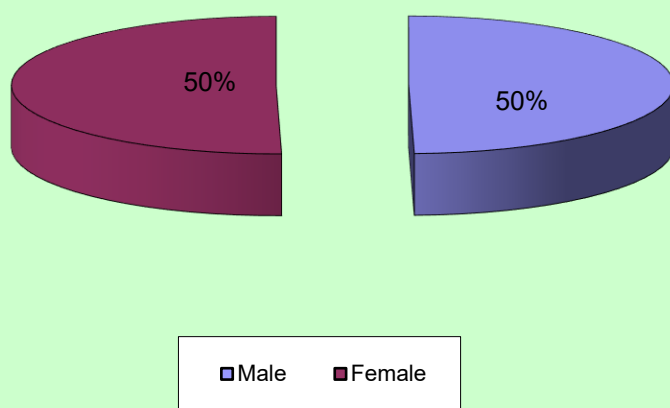


Figure 105 above illustrates that both females and males contributed the same percentage of enrolments constituting 50% respectively.

Two hundred and ninety - seven (297) students enrolled at Master's degree level in Agricultural Business and Management during the 2025 academic year.

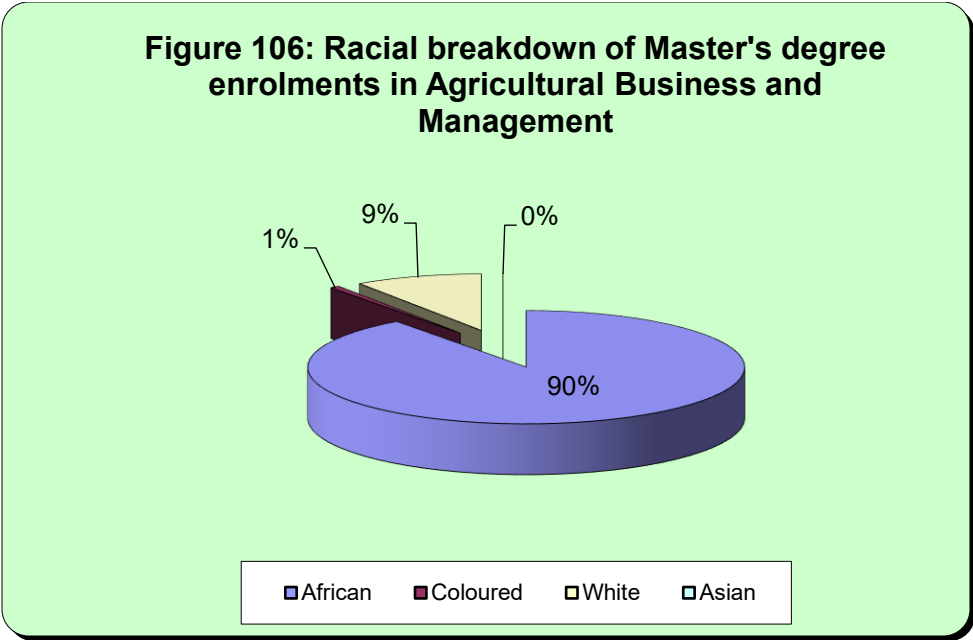


Figure 106 above illustrates that African students dominated the Master's degree enrolments in this CESM with 90%, followed by Whites with 9% and Coloureds with 1%. No Asians were represented at Master's degree level in this CESM during the 2025 academic year.

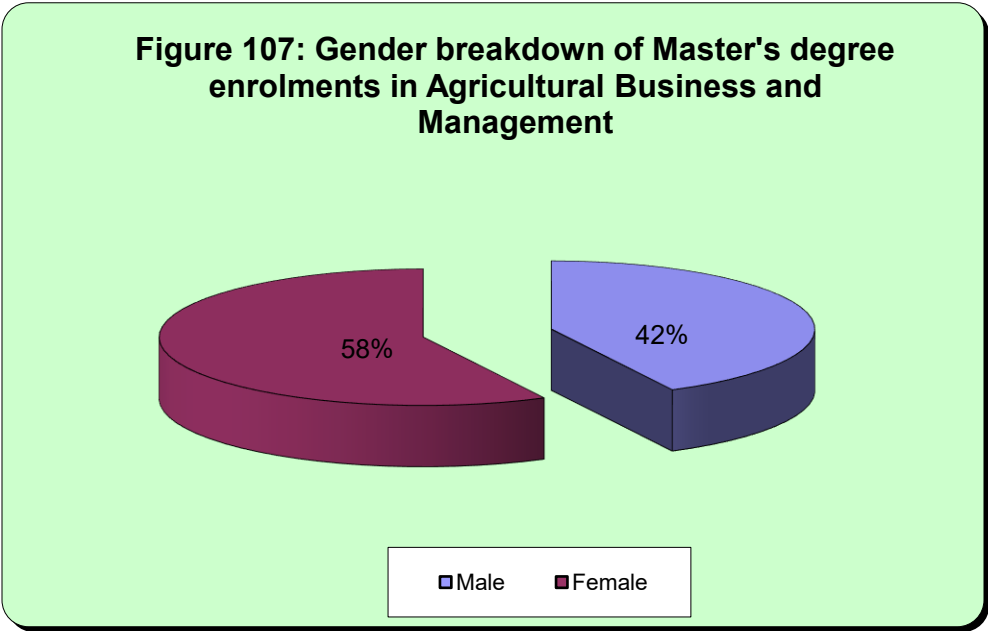


Figure 107 above portrays that female students dominated the Master's degree enrolments in Agricultural Business and Management with 58% whilst males accounted for 42%.

Figure 108: Racial breakdown of PhD enrolments in Agricultural Business and Management

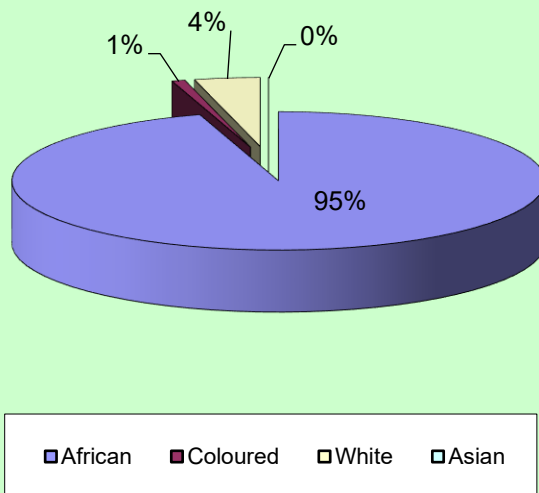


Figure 108 above portrays that African students constituted 95% of the total number of PhD enrolments in this CESM, followed by Whites with 4% and Coloureds with 1%. No Asians were represented in this CESM at PhD level during the 2025 academic year.

Figure 109: Gender breakdown of PhD enrolments in Agricultural Business and Management

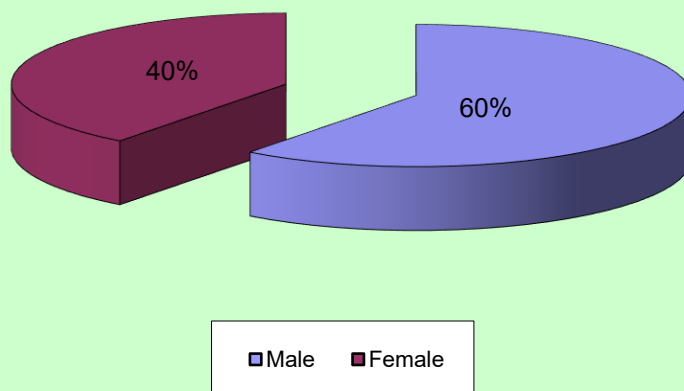


Figure 109 above indicates that males were dominant in this CESM at PhD level with 60% whilst females accounted for 40%.

4.3.3.2 Agricultural Mechanization enrolments at universities during the 2025 academic year

Sixty - six (66) students enrolled in Agricultural Mechanization programmes during the 2025 academic year. Programmes in this CESM were offered by University of Free State, Venda and KwaZulu - Natal. Agricultural Mechanization includes programmes in: Agricultural Mechanization, Agricultural Engineering, Bio – Systems Engineering, Irrigation Management, Agricultural Mechanics and Equipment/Machine Technology and Agricultural Mechanization, Other.

Table 52 below presents a demographic breakdown of Agricultural Mechanization enrolments during the 2025 academic year by level of qualification.

Table 52: Demographic breakdown of Agricultural Mechanization enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	1	1	0	0	0	4	1	5	0	0	0	6
Honour's	32	20	52	2	0	2	0	0	0	0	0	0	54
Master's	0	0	0	0	0	0	0	0	0	0	1	1	1
PhD	3	2	5	0	0	0	0	0	0	0	0	0	5
Total	35	23	58	2	0	2	4	1	5	0	1	1	66

During the 2025 academic year Honours degree enrolments in this CESM accounted for 81%, followed by Undergraduate level with 9%, PhD with 8% and Master's degree with 2% of the overall enrolments in this CESM.

Six (6) students enrolled at Undergraduate degree level in this CESM during the 2025 academic year; 1 was an African female, 4 were White males and 1 was a White female.

Fifty - four (54) students enrolled at Honours degree level in this CESM during the 2025 academic year; 32 were African males, 20 African females, 2 were Coloured males. No Whites and Asians were represented in this CESM at Honours degree level during the 2025 academic year.

One (1) Asian female enrolled in this CESM at Master's degree level during the 2025 academic year. No Africans, Coloureds and Whites were represented in this CESM at this level.

Five (5) African students enrolled in this CESM at PhD level during the 2025 academic year; 3 were males and 2 were females. No Coloureds, Whites and Asians were represented in this CESM at this level.

4.3.3.3 Agricultural Production Operations enrolments at universities during the 2025 academic year

Two thousand one hundred and ten (2 110) students enrolled in Agricultural Production Operations during the 2025 academic year. Institutions offering programmes in this CESM were the University of Limpopo, North - West, Stellenbosch, Free State, Pretoria, Venda and Fort Hare. Agricultural Production Operations includes programmes in: Animal/Livestock Husbandry and Production, Crop Production, Dairy Husbandry and Production, Horse Husbandry and Management and Agricultural Production Operations, Other.

Table 53 below presents a demographic breakdown of Agricultural Production Operations enrolments during the 2025 academic year by academic levels.

Table 53: Demographic breakdown of Agricultural Production Operations enrolments at universities in 2025													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduates	190	332	522	21	16	37	191	143	334	2	1	3	896
Honour's	493	594	1087	1	0	1	2	0	2	1	0	1	1091
Master's	27	28	55	0	0	0	29	39	68	0	0	0	123
PhD	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	710	954	1664	22	16	38	222	182	404	3	1	4	2110

During the 2025 academic year Honours degree level dominated enrolments in this CESM with 52%, followed by Undergraduate degree with 42% and Master's degree with 6%. No students registered for PhD in this CESM.

Eight hundred and ninety - six (896) students enrolled at Undergraduate degree level in this CESM during the 2025 academic year.

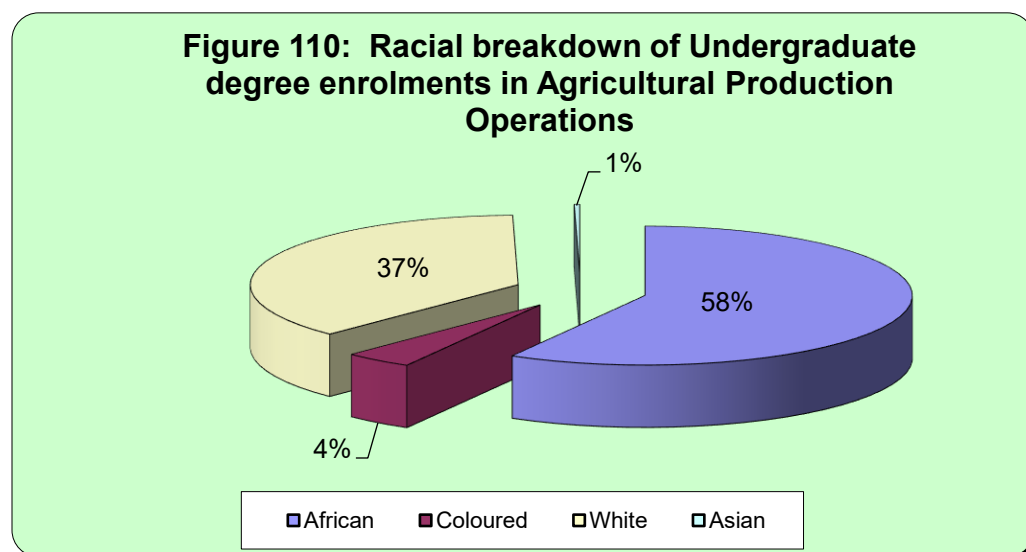


Figure 110 above shows that Africans dominated the Undergraduate degree enrolments in this CESM during the 2025 academic year with 58%, followed by Whites with 37%, Coloureds with 4% and Asians with 1% of the total number of Undergraduate degree enrolments in this CESM during the 2025 academic year.

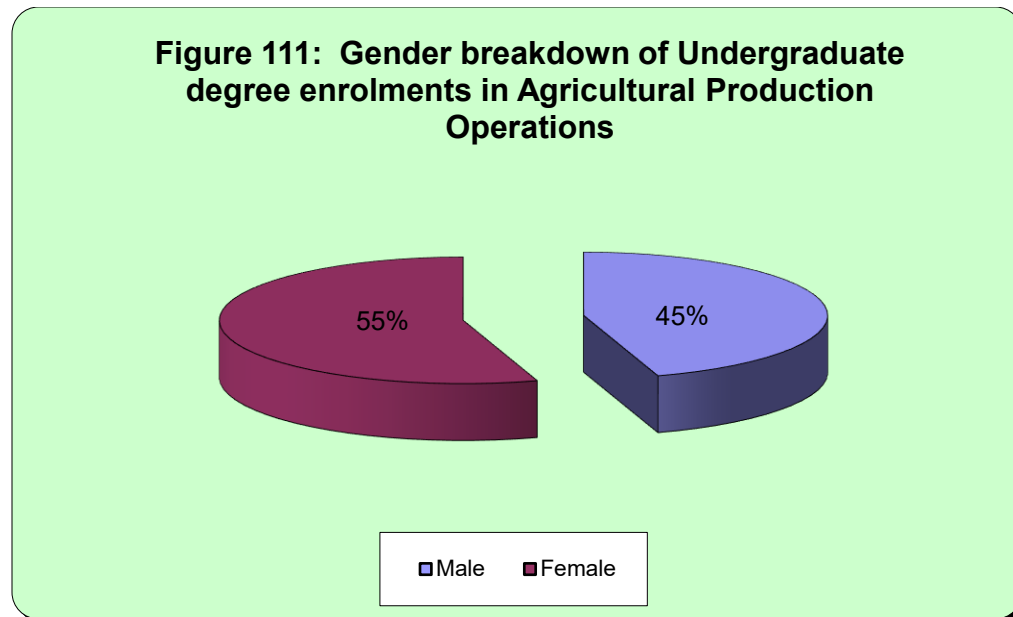


Figure 111 above shows that females were dominant in this CESM at Undergraduate degree level with 55% whilst males constituted 45%.

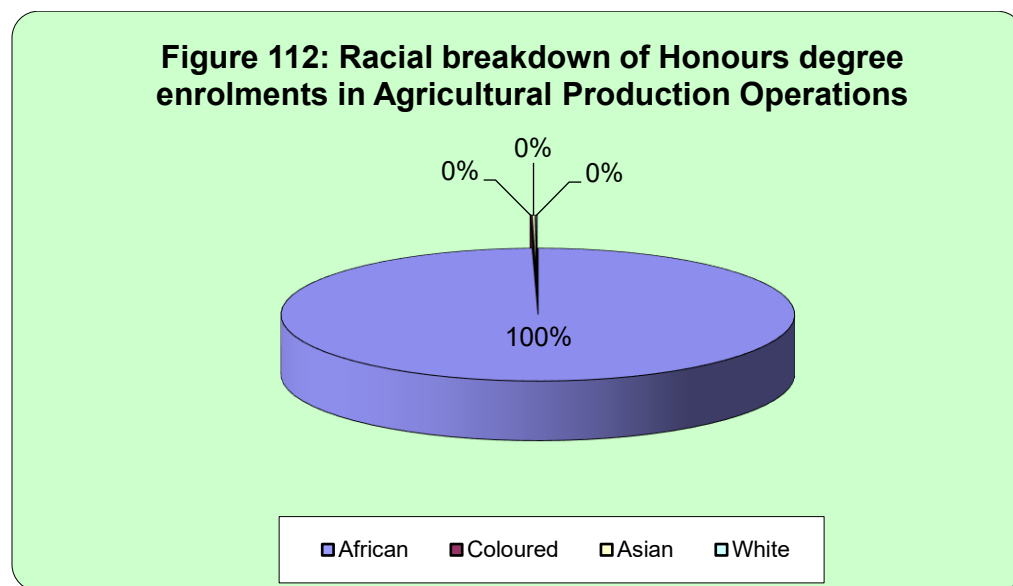


Figure 112 above illustrates that Africans dominated enrolments in this CESM with 100%, Coloureds, Whites and Asians contributed less than 1% of the overall Honours degree enrolments in Agricultural Production Operations during the 2025 academic year.

Figure 113: Gender breakdown of Honours degree enrolments in Agricultural Production Operations

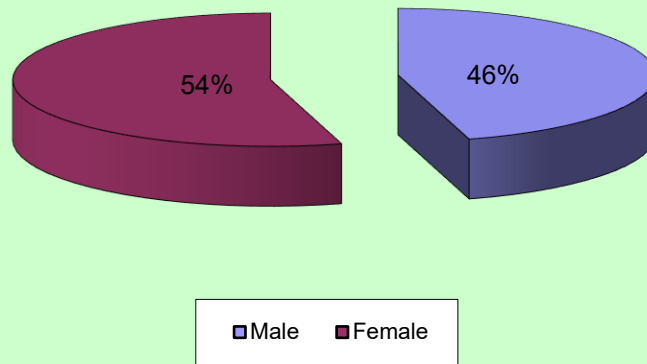


Figure 113 above shows that female students were dominant in this CESM at Honours degree level with 54% whilst males accounted for 46%.

One hundred and twenty - three (123) students enrolled at Master's degree level in this CESM during the 2025 academic year; 27 were African males, 28 African females, 29 White males and 39 were White females. No Coloureds and Asians were enrolled.

No students registered for PhD level in this CESM during the 2025 academic year.

4.3.3.4 Applied Horticulture and Horticultural Business Services enrolments during the 2025 academic year

Two hundred and fifty - one (251) students enrolled in Applied Horticulture and Horticultural Business Services during the 2025 academic year. Institutions offering programmes in this CESM were the University of Free State, Fort Hare, Venda, KwaZulu - Natal, North - West, Stellenbosch, Pretoria and Limpopo.

Applied Horticulture and Horticultural Business Services includes programmes in: Applied Horticulture/Horticultural Operations, General, Ornamental Horticulture, Greenhouse Operations and Management, Landscaping and Grounds Keeping, Plant Nursery Operations and Management, Turf and Turf Grass Management, Floriculture/Floristry Operations and Management and Applied Horticulture and Horticultural Business Services, Other.

Table 54 below presents a demographic breakdown of Applied Horticulture and Horticultural Business Services enrolments during the 2025 academic year by level of qualification.

Table 54: Demographic breakdown of Applied Horticulture and Horticultural Business Services enrolments in 2025 by level of qualification

Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	0	0	0	0	0	0	0	0	0	0	0	0
Honours	94	67	161	0	0	0	0	0	0	0	0	0	161
Master's	16	26	42	1	2	3	15	12	27	0	0	0	72
PhD	10	7	17	0	0	0	0	0	0	1	0	1	18
Total	120	100	220	1	2	3	15	12	27	1	0	1	251

During the 2025 academic year Honours degree level dominated enrolments in this CESM with 64%, followed by Master's degree with 29% and PhD level with 7%. No students enrolled in this CESM at Undergraduate level.

One hundred and sixty - one (161) African students enrolled at Honours degree level in this CESM during the 2025 academic year; 94 were males and 67 were females. No Coloureds, Whites and Asians were represented in this CESM at this level.

Seventy - two (72) students enrolled at Master's degree level in this CESM during the 2025 academic year; 16 were African males, 26 African females, 1 was a Coloured male, 2 were Coloured females, 15 White males and 12 Whites females. No Asians were represented in this CESM at this level.

Eighteen (18) students enrolled in this CESM at PhD level, 10 were African males, 7 African females and 1 was an Asian male. No Whites and Coloureds were represented.

4.3.3.5 Animal Science enrolments at universities during the 2025 academic year

Four thousand one hundred and seven (4 107) students enrolled in this CESM in 2025. Programmes in this CESM were offered by University of North - West, KwaZulu Natal, Venda, South Africa, Fort Hare, Pretoria, Zululand, Free State and Stellenbosch.

Animal Science includes programmes in: Animal Science, General, Agricultural Animal Breeding, Animal Health, Animal Nutrition, Poultry Science and Animal Science, Other.

Table 55 below presents a demographic breakdown of Animal Science enrolments during the 2025 academic year by level of qualification.

Table 55: Demographic breakdown of Animal Science enrolments in 2025

Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	636	1870	2506	12	39	51	78	293	371	12	16	28	2956
Honours	284	323	607	5	3	8	69	124	193	14	4	18	826
Master's	71	86	157	1	4	5	22	30	52	1	0	1	215
PhD	48	30	78	0	1	1	15	15	30	0	1	1	110
Total	1039	2309	3348	18	47	65	184	462	646	27	21	48	4107

Undergraduate degree enrolments accounted for 72% of the total number of enrolments in this CESM, followed by Honours degree enrolments with 20%. Master's and PhD enrolments constituted 5% and 3% respectively.

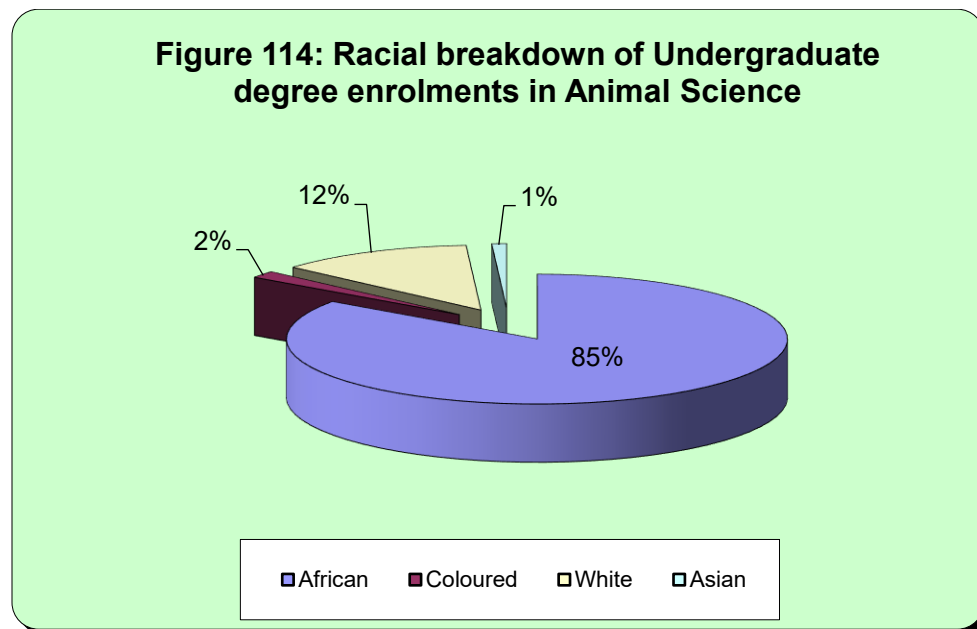


Figure 114 above indicates that Africans dominated Undergraduate degree enrolments in this CESM with 85%, followed by Whites with 12%. Coloureds and Asians contributed 2% and 1% respectively.

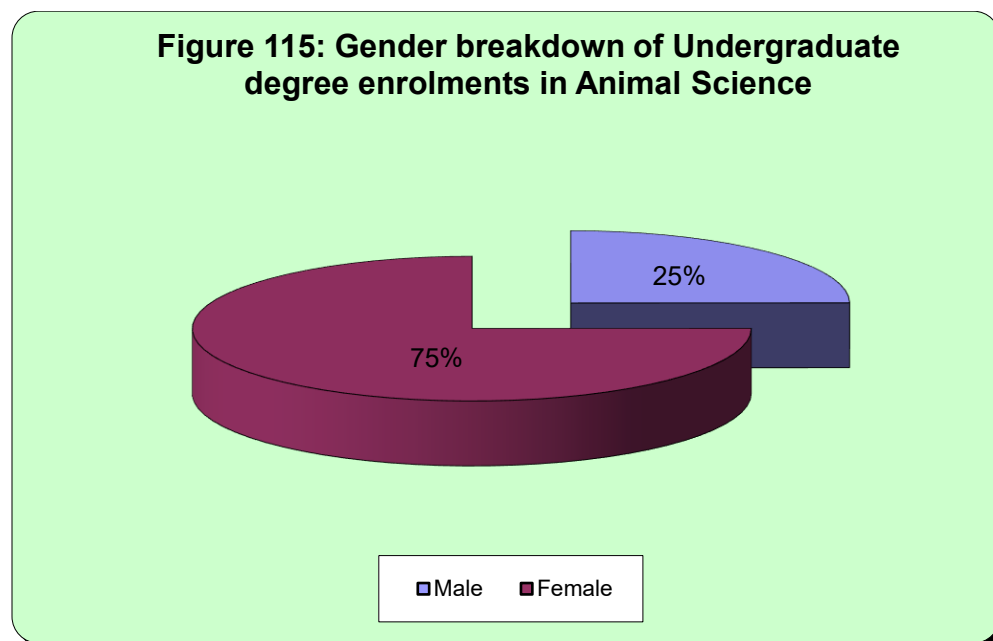


Figure 115 above indicates that females dominated enrolments in this CESM at Undergraduate degree level with 75% whilst males contributed 25%.

Figure 116: Racial breakdown of Honours degree enrolments in Animal Science

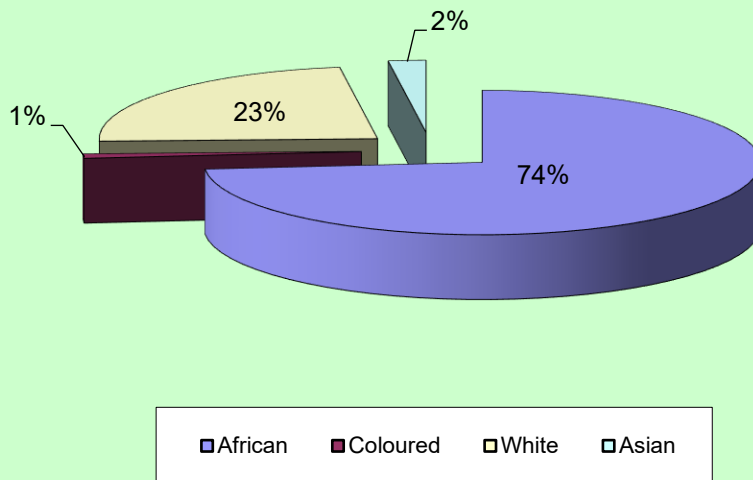


Figure 116 above illustrates that Africans dominated the Honours degree enrolments in this CESM during the 2025 academic year with 74%, followed by Whites with 23%. Asians with 2% and Coloureds with just 1%.

Figure 117: Gender breakdown of Honours degree enrolments in Animal Science

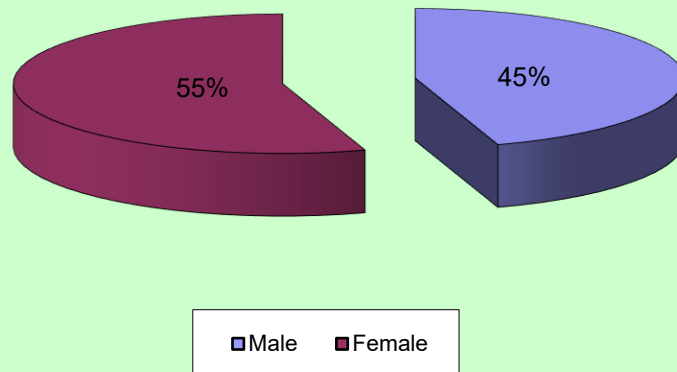


Figure 117 above indicates that females were dominant in this CESM at Honours degree level with 55% whilst males accounted for 45%.

Figure 118: Racial breakdown of Master's degree enrolments in Animal Science

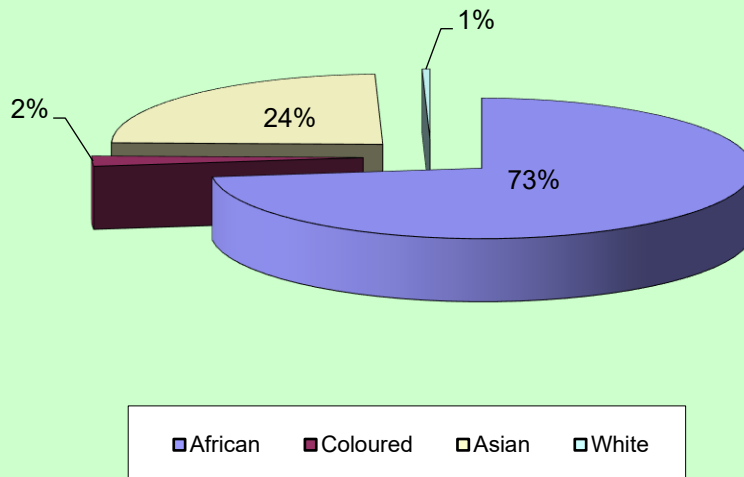


Figure 118 above illustrates that Africans dominated the Master's degree enrolments in this CESM during the 2025 academic year with 73%, followed by Whites with 24%. Coloureds with 2% and Asians with just 1%.

Figure 119: Gender breakdown of Master's degree enrolments in Animal Science

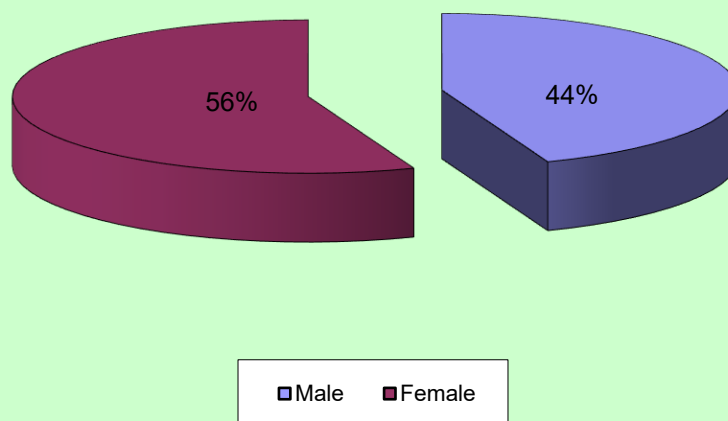


Figure 119 above shows that females dominated enrolments in this CESM at Master's degree level with 56% whilst males contributed 44%.

One hundred and ten (110) students enrolled in this CESM at PhD level during the 2025 academic year, 48 were African males, 30 African females, 1 was a Coloured female, 15 were White males, 15 White females and 1 was an Asian female.

4.3.3.6 Plant Science enrolments at universities during the 2025 academic year

One thousand three hundred and seventy – three (1 373) students enrolled in Plant Science during the 2025 academic year. Programmes in this CESM were offered by Universities of Free State, North - West, Fort Hare, Limpopo, KwaZulu -Natal, Zululand, Stellenbosch, South Africa and Pretoria.

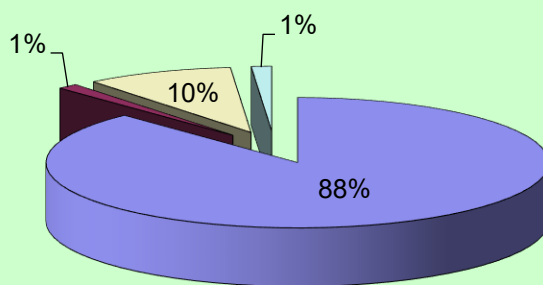
Plant Science includes programmes in: Plant Science, General, Agronomy and Crop Science, Entomology, Plant Pathology, Plant Breeding, Plant Protection and Integrated Pest Management, Range Science and Management, Plant Science, Other

Table 56 below presents a demographic breakdown of Plant Science enrolments during the 2025 academic year by level of qualification.

Table 56: Demographic breakdown of Plant Science enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	105	164	269	3	1	4	16	13	29	2	2	4	306
Honours	259	192	451	4	1	5	124	56	180	4	2	6	642
Master's	69	97	166	5	8	13	38	35	73	2	1	3	255
PhD	69	59	128	4	2	6	14	18	32	0	4	4	170
Total	502	512	1014	16	12	28	192	122	314	8	9	17	1373

Honours degree enrolments in this CESM were dominant with 47%, followed by Undergraduate degree with 22%, Master's with 19% and PhD with 12%.

Figure 120: Racial breakdown of Undergraduate degree enrolments in Plant Science



■ African ■ Coloured ■ White ■ Asian

Figure 120 above portrays that Africans were at majority in this CESM at this level with 88%, followed by Whites with 10%. Coloured and Asian students contributed 1% respectively.

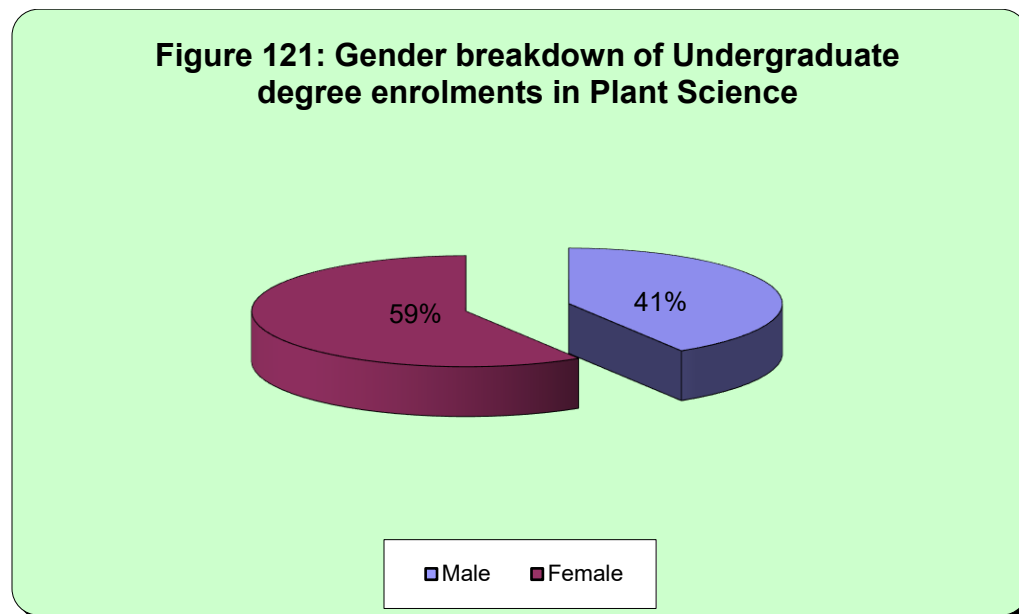


Figure 121 above depicts that females constituted 59% of the total number of enrolments in this CESM at Undergraduate degree level whilst males accounted for 41%.

Six hundred and forty - two (642) students enrolled at Honours degree level in this CESM during the 2025 academic year.

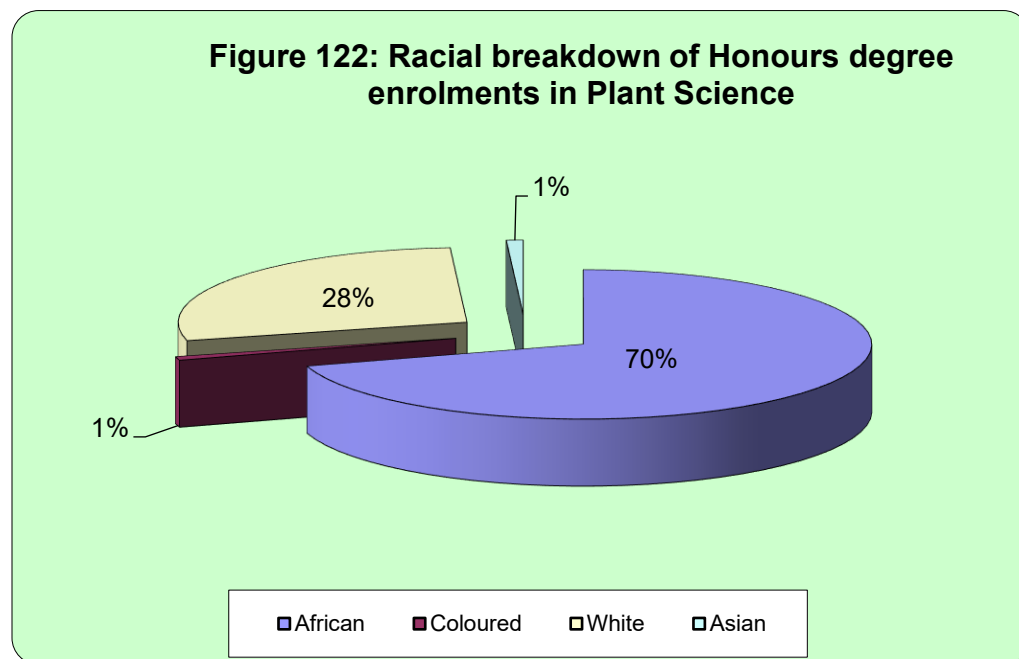


Figure 122 above indicates that Africans dominated the Honours degree enrolments with 70%, followed by Whites with 28%. Coloureds and Asians contributed 1% respectively.

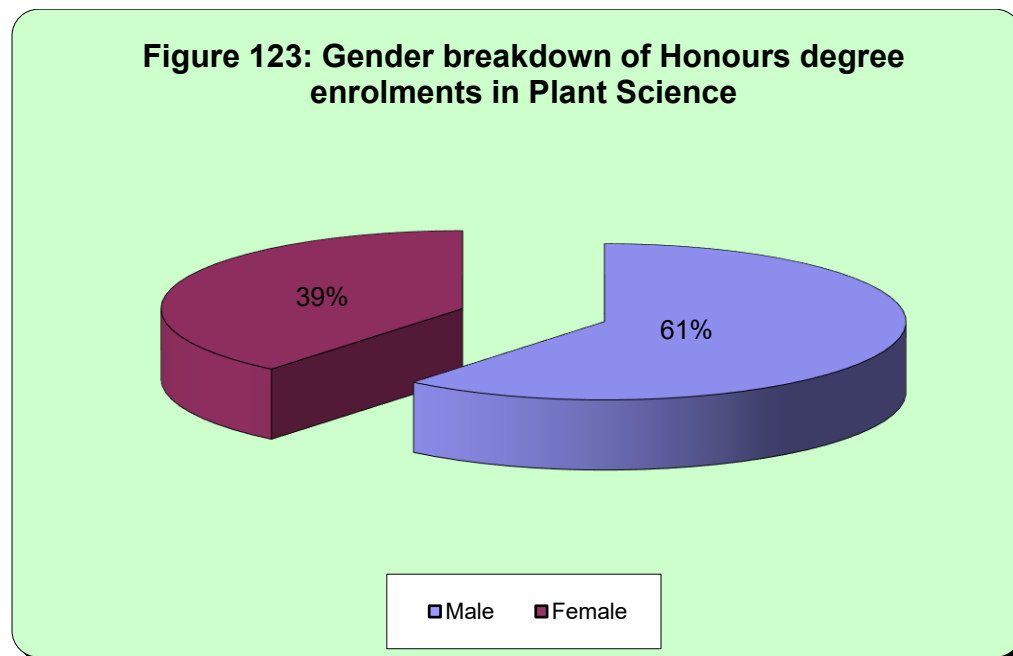


Figure 123 above indicates that males dominated the Honours degree enrolments in this CESM with 61% whilst females accounted for 39%.

Two hundred and fifty - five (255) students enrolled at Master's degree level in this CESM during the 2025 academic year.

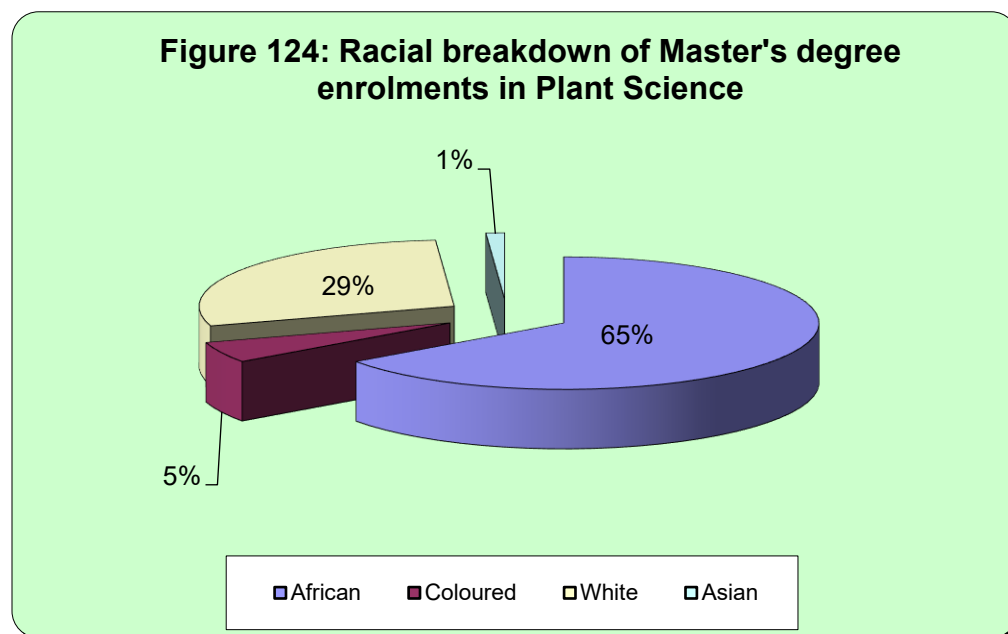


Figure 124 above shows that African students dominated enrolments at Master's level with 65%, followed by Whites with 29%, Coloureds with 5% and Asians with 1%.

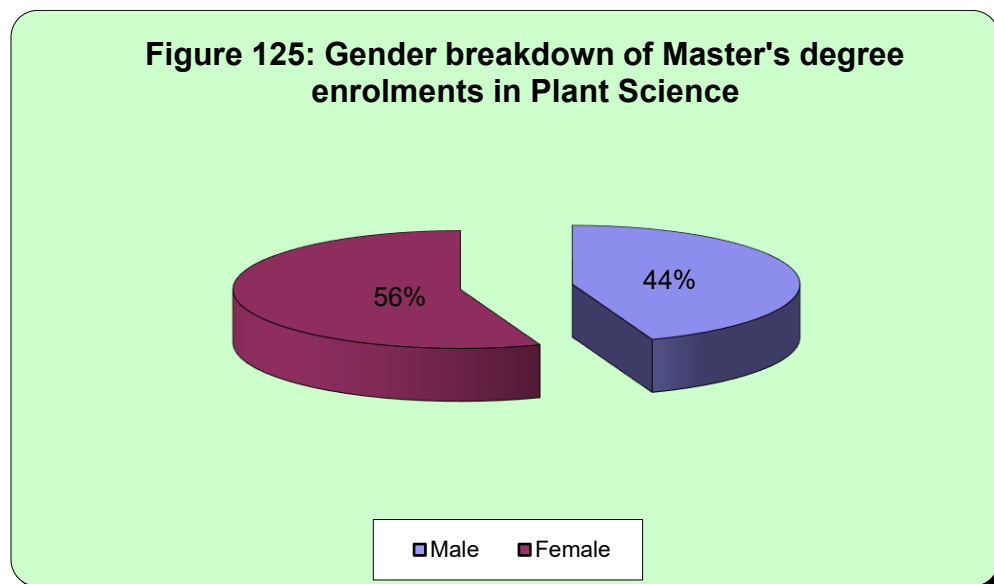


Figure 125 above indicates that females dominated the Master's degree enrolments in this CESM with 56% whilst males accounted for 44%.

One hundred and seventy (170) students enrolled in this CESM at PhD level during the 2025 academic year; 69 were African males, 59% African females, 4 Coloured males, 2 Coloured females, 14 White males, 18 White females and 4 Asian females.

4.3.3.7 Soil Science enrolments at universities during the 2025 academic year

Six hundred and forty – two (642) students registered in Soil Science during the 2025 academic year. Programmes in Soil Science were offered by University of Fort Hare, KwaZulu Natal, Free State, Pretoria, Stellenbosch, North - West, Venda and Limpopo. Soil Science includes programmes in Soil and Agronomy, General, Soil Chemistry and Physics, Soil Microbiology and Soil Science, other.

Table 57 below presents a demographic breakdown of Soil Science enrolments during the 2025 academic year by level of qualification.

Table 57: Demographic breakdown of Soil Science enrolments in 2025													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	2	19	21	2	0	2	36	17	53	2	0	2	78
Honours	235	209	444	0	0	0	21	8	29	0	0	0	473
Master's	26	28	54	0	0	0	6	3	9	0	0	0	63
PhD	15	8	23	1	0	1	2	1	3	0	1	1	28
Total	278	264	542	3	0	3	65	29	94	2	1	3	642

During the 2025 academic year students at Honours degree level dominated enrolments in Soil Science with 74%, followed by Undergraduates with 12%, Master's with 10% and PhD enrolments with 4%.

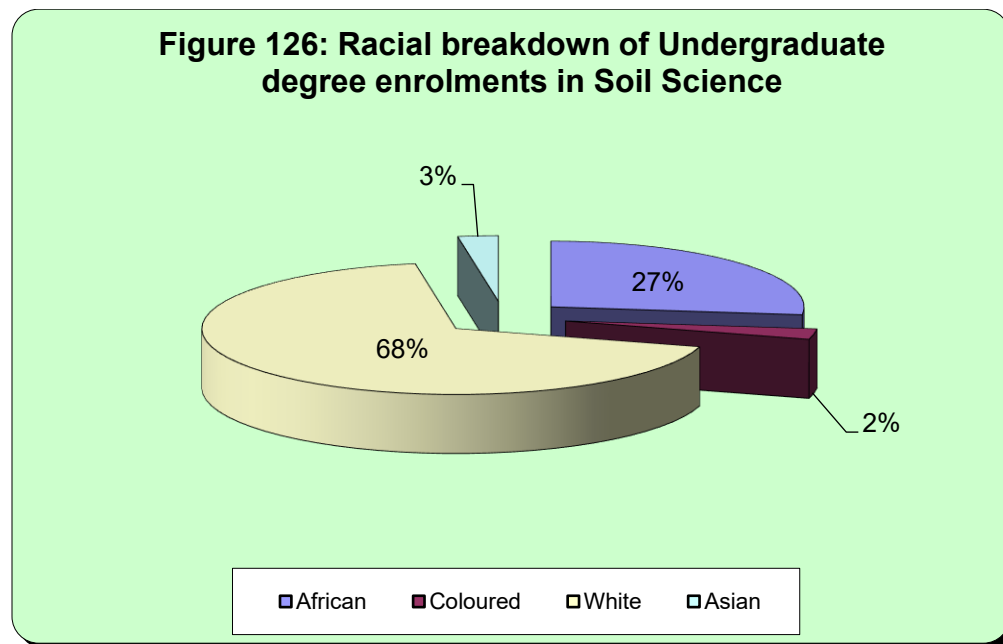


Figure 126 above illustrates that Whites dominated enrolments at Undergraduate degree level in this CESM with 68%, followed by Africans with 27%. Coloureds and Asians contributed 3% and 2% respectively.

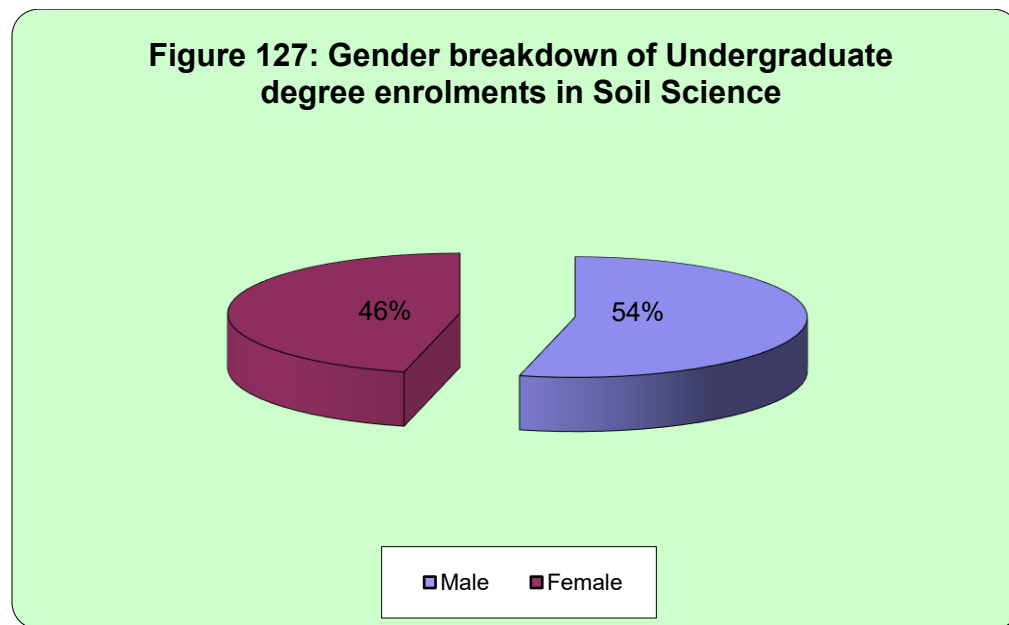
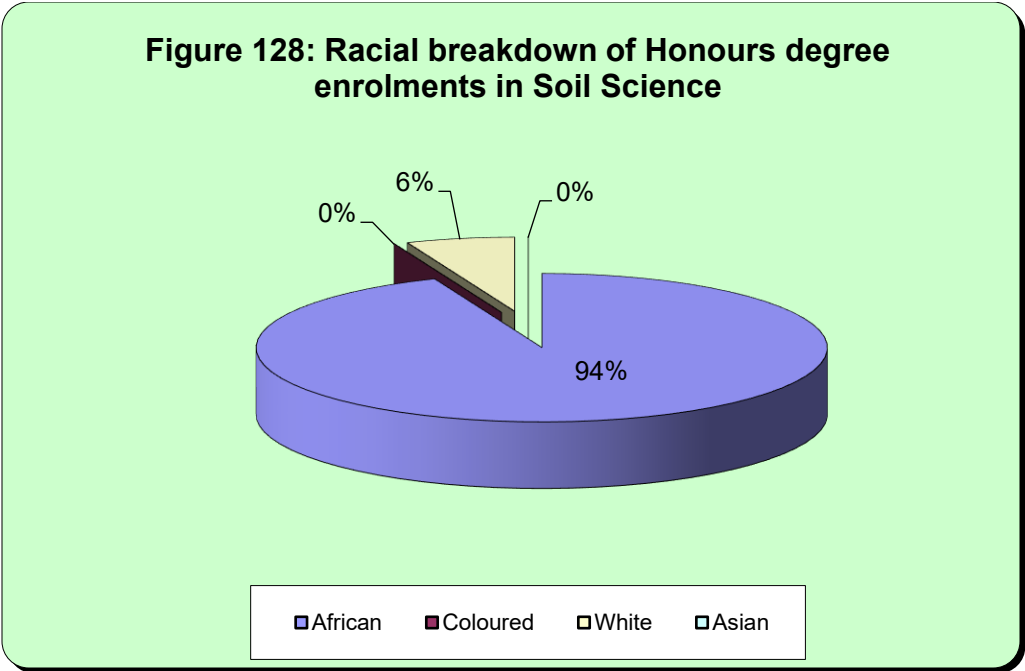


Figure 127 above indicates that males constituted 54% of the Undergraduate degree enrolments in Soil Science whilst females contributed 46%.



As illustrated in figure 128 above Africans dominated the Honours degree enrolments in Soil Science with 94%, followed by Whites with 6%. No Coloureds and Asians were represented in this CESM at this level during the 2025 academic year.

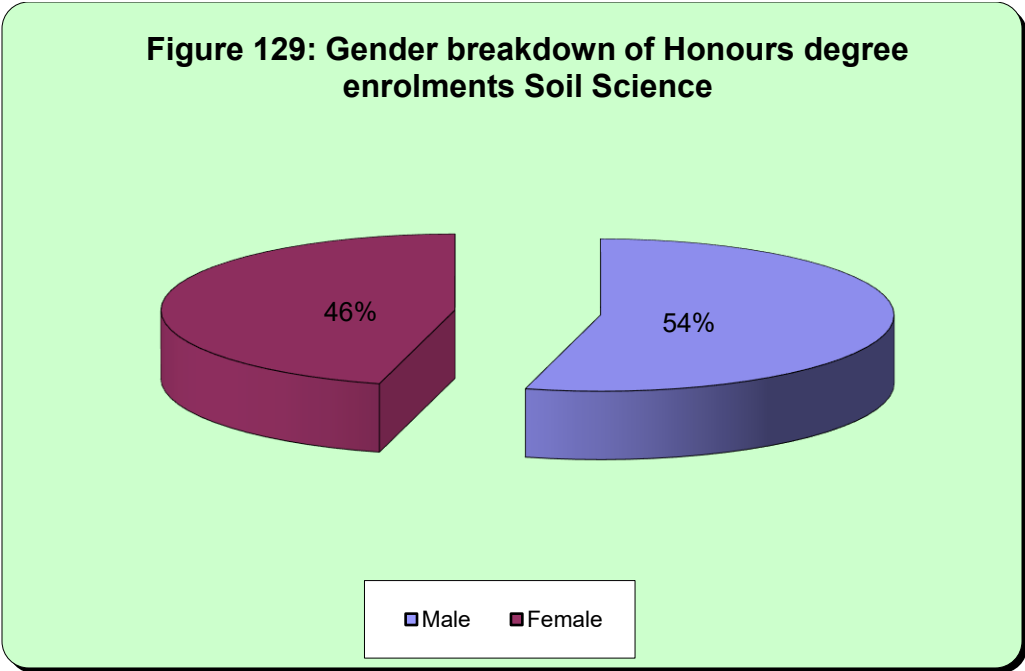


Figure 129 above indicates that males contributed 54% of the total number of Honours degree enrolments in this CESM whilst females accounted for 46%.

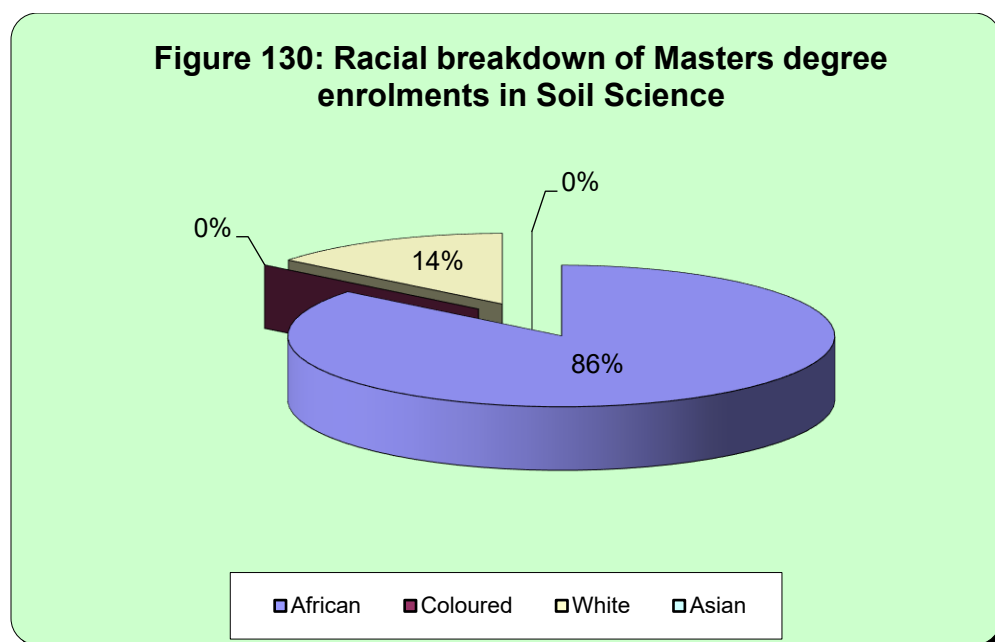


Figure 130 above illustrates that Africans dominated the number of enrolments in this CESM at Master's degree level with 86%, followed by Whites with 14%. No Coloureds and Asians were represented in this CESM at this level during the 2025 academic year.

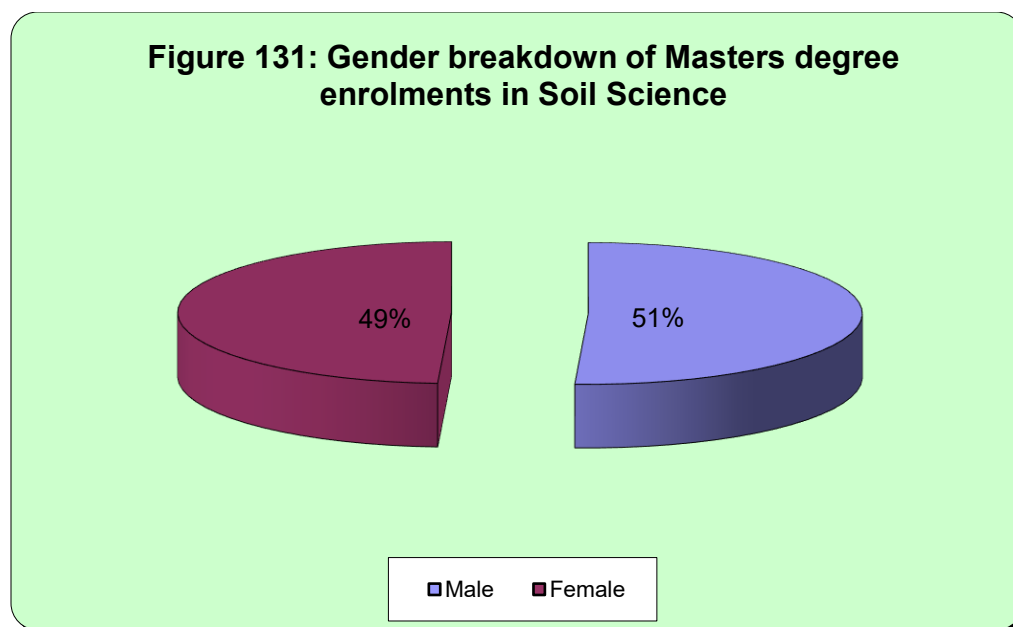


Figure 131 above shows that Males dominated enrolments in this CESM at this level with 51% whilst females contributed 49%.

Twenty - eight (28) students registered in this CESM at PhD level during the 2025 academic year; 15 were African males, 8 African females, 1 was a Coloured male, 2 White males, 1 was a White female and 1 Asian female.

4.3.3.8 Agriculture, Agricultural Operations and Related Sciences, Other enrolments during the 2025 academic year

Two thousand three hundred and fifty - four (2 354) students registered in Agriculture, Agricultural Operations and Related Science, Other programmes during the 2025 academic year. Institutions offering programmes in this CESM were the University of KwaZulu - Natal, South Africa, Free State, Pretoria, Limpopo, Zululand, Sol Plaatjie, Fort Hare, Nelson Mandela Metropolitan and Stellenbosch.

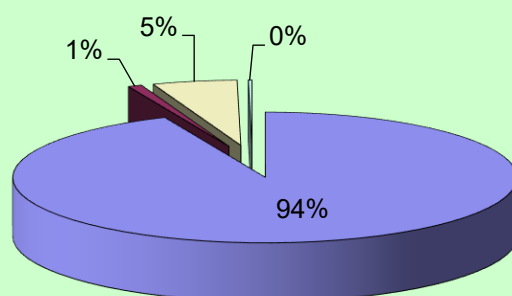
Table 58 below presents a demographic breakdown of Agriculture, Agricultural Operations and Related Science, other enrolments during the 2025 academic year by level of qualification.

Table 58: Demographic breakdown of Agriculture, Agricultural Operations and Related Sciences, Other enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	474	701	1175	4	7	11	60	8	68	2	1	3	1257
Honours	174	346	520	3	3	6	56	45	101	4	11	15	642
Master's	51	79	130	0	0	0	14	9	23	1	0	1	154
PhD	142	135	277	4	1	5	7	11	18	1	0	1	301
Total	841	1261	2102	11	11	22	137	73	210	8	12	20	2354

During the 2025 academic year, Undergraduate degree enrolments dominated enrolments in this CESM with 53%, followed by Honours with 27%, Master's with 7% and PhD with 13%.

One thousand two hundred and fifty - seven (1 257) students enrolled at Undergraduate degree level in this CESM during the 2025 academic year.

Figure 132: Racial breakdown of Undergraduate degree enrolments in Agriculture, Agricultural Operations and Related Sciences, Other



■ African ■ Coloured ■ White ■ Asian

Figure 132 above indicates that Africans dominated Undergraduate degree enrolments in this CESM with 94%, followed by Whites with 5%, Coloureds with 1% and Asians with less than 1% of the total number of enrolments in this CESM at this level.

Figure 133: Gender breakdown of Undergraduate degree enrolments in Agriculture, Agricultural Operations and Related Sciences, Other

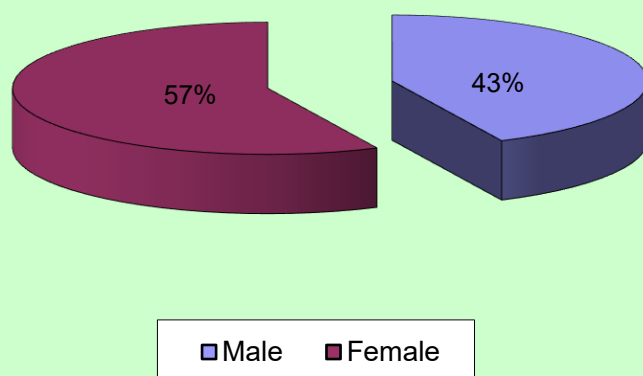


Figure 133 above depicts that females dominated the Undergraduate degree enrolments in this CESM with 57% whilst males accounted for 43%.

Six hundred and forty - two (642) students enrolled in this CESM at Honours degree level during the 2025 academic year.

Figure 134: Racial breakdown of Honours degree enrolments in Agriculture, Agricultural Operations and Related Sciences, Other

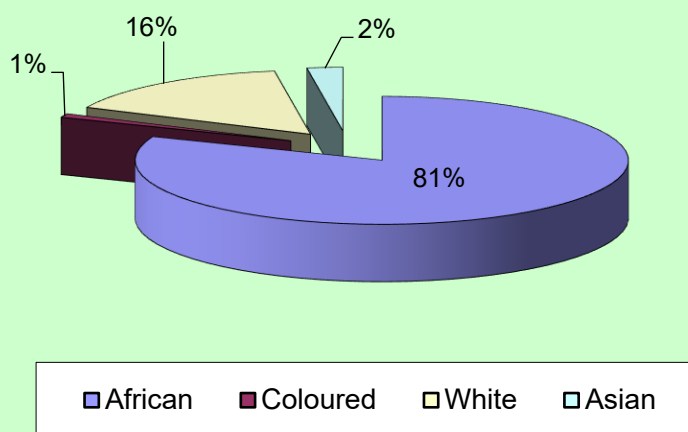


Figure 134 above portrays that African students were at majority in this CESM with 81%, followed by Whites with 16%. Asians and Coloureds contributed 2% and 1% respectively.

Figure 135: Gender breakdown of Honours degree enrolments in Agriculture, Agricultural Operations and Related Sciences, Other

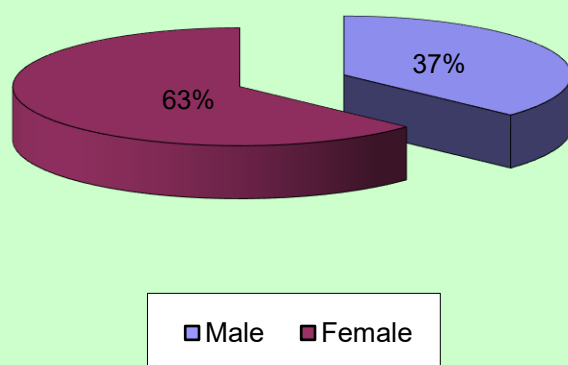


Figure 135 above depicts that females dominated the Honours degree enrolments in this CESM with 63% whilst males accounted for 37%.

One hundred and fifty - four (154) students enrolled at Master's degree level in this CESM during the 2025 academic year.

Figure 136: Racial breakdown of Master's degree enrolments in Agriculture, Agricultural Operations and Related Sciences, Other

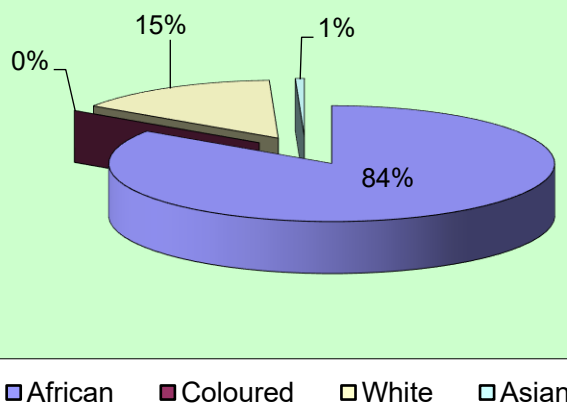


Figure 136 above portrays that Africans were dominant in this CESM at Master's degree level with 84%, followed by Whites with 15% and Asians with 1%. No coloureds were represented at this level in this CESM during the 2025 academic year.

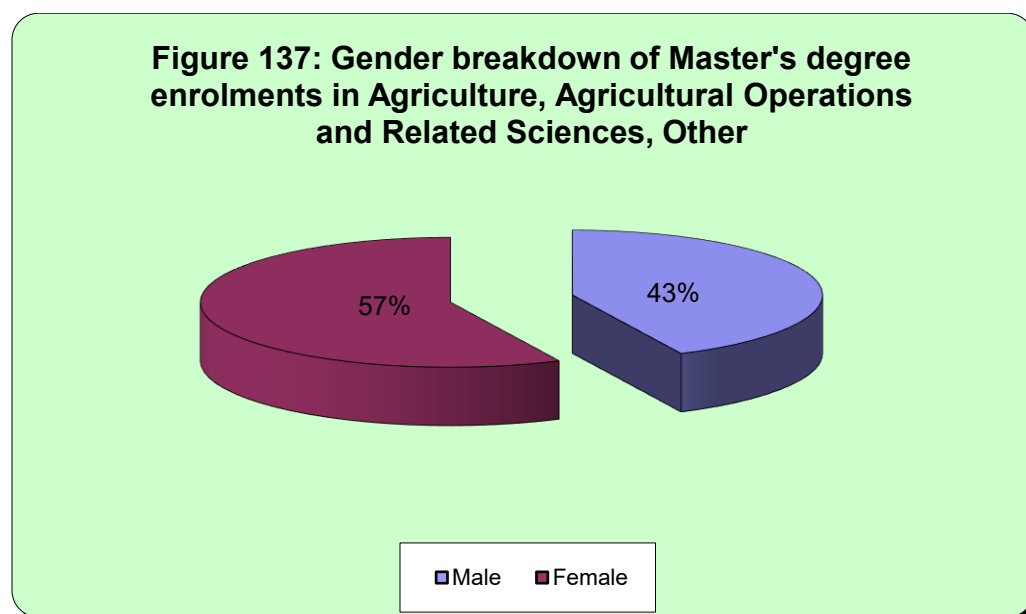


Figure 137 above depicts that females accounted for 57% of the total Master's degree enrolments in this CESM during the 2025 academic year whilst males constituted 43%.

Three hundred and one (301) students enrolled at PhD level in this CESM during the 2025 academic year.

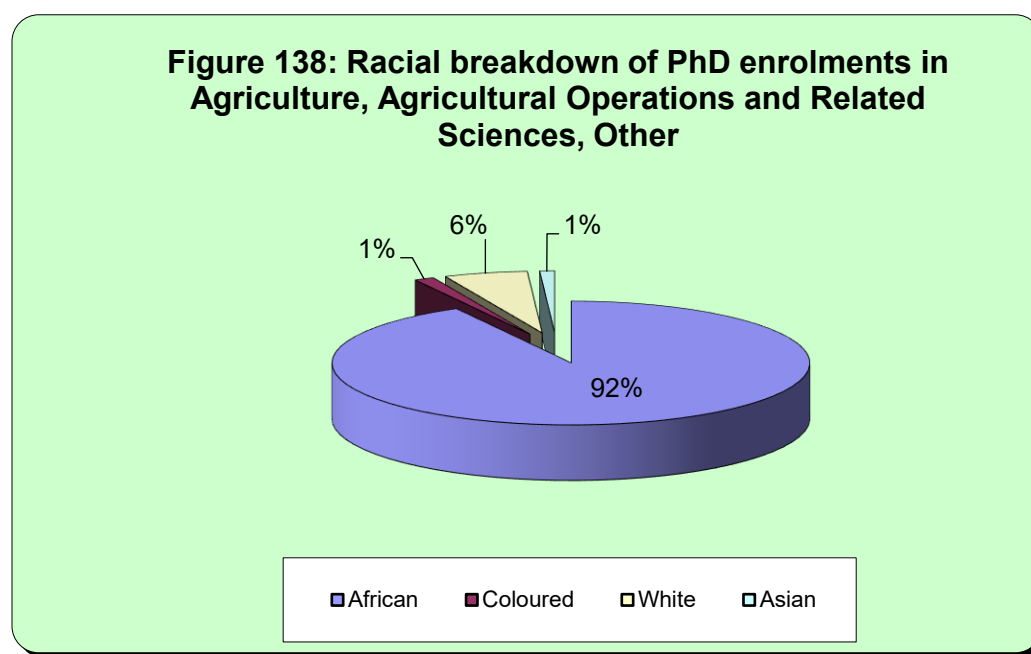


Figure 138 above indicates that Africans constituted 92% of the total number of PhD enrolments in this CESM while Whites accounted for 6%. Coloureds and Asians contributed 1% respectively.

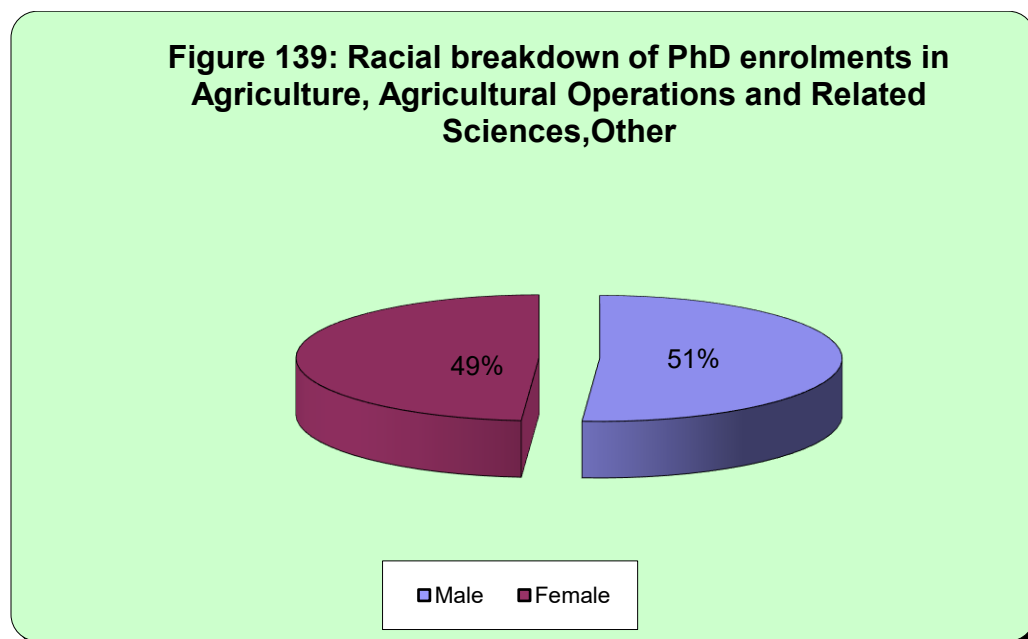


Figure 139 above depicts that males accounted for 51% of the PhD enrolments in Agriculture, Agricultural Operations and Related Science, Other during the 2025 academic year whilst females constituted 49%.

4.3.3.9 Food Nutrition Science and Technology enrolments during the 2025 academic year

Nine hundred and twenty – three (923) students enrolled in this CESM during the 2025 academic year. Food Nutrition Science and Technology includes programmes in Food Science, Food Security, Nutrition, Food Management, Food Technology and Processing and Food Nutrition Science and Technology, Other.

Table 59 below presents a demographic breakdown of Food Nutrition Science and Technology enrolments during the 2025 academic year.

Table 59: Demographic breakdown of Food Nutrition Science and Technology in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	165	350	515	8	23	31	13	138	151	2	10	12	709
Honour's	51	44	95	0	0	0	0	0	0	0	0	0	95
Master's	19	24	43	0	1	1	4	24	28	0	1	1	73
PhD	17	24	41	2	1	3	1	1	2	0	0	0	46
Total	252	442	694	10	25	35	18	163	181	2	11	13	923

Figure 140: Racial breakdown of Undergraduate degree enrolments in Food Nutrition Science and Technology

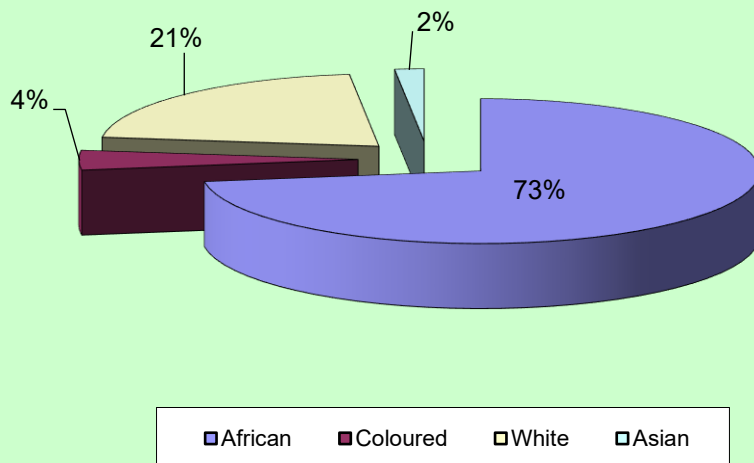


Figure 140 above portrays that Africans dominated the Undergraduate degree enrolments in this CESM with 73%, followed by Whites with 21%, Coloureds with 4% and Asians with 2%.

Figure 141: Gender breakdown of Undergraduate degree enrolments in Food Nutrition Science and Technology

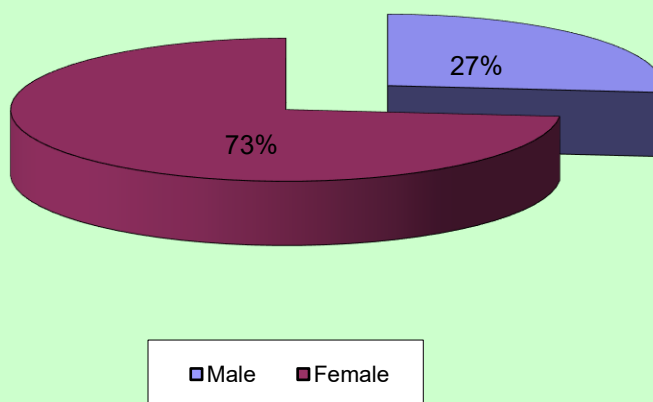


Figure 141 above depicts that females accounted for 73% of the Undergraduate degree enrolments in Food Nutrition Science and Technology during the 2025 academic year whilst males constituted 27%.

Ninety - five (95) students enrolled at Honours degree level in this CESM during the 2025 academic year.

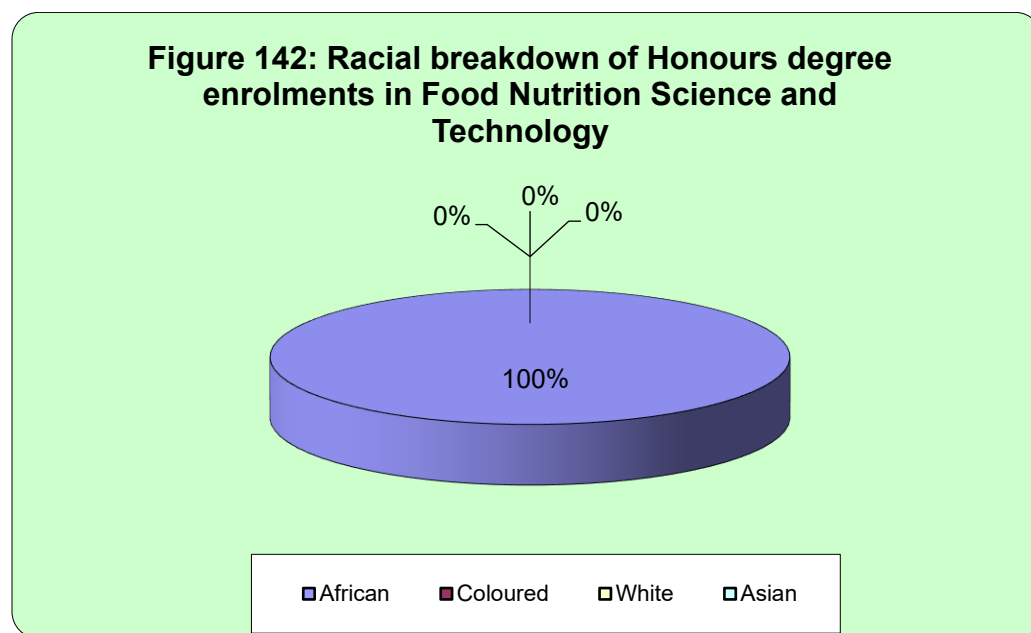


Figure 142 above illustrates that only Africans enrolled in this CESM at Honours degree level during the 2025 academic year, no Coloureds, Whites and Asians were represented in this CESM at this level.

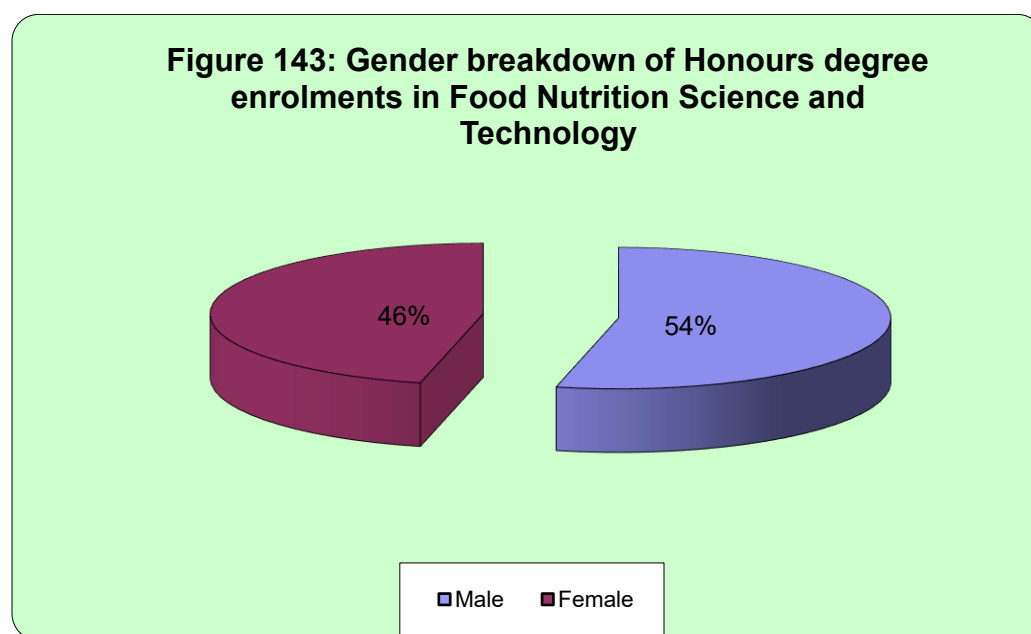


Figure 143 above depicts that males accounted for 54% of the Honours degree enrolments in Food Nutrition Science and Technology during the 2025 academic year whilst females constituted 46%.

Figure 144: Racial breakdown of Master's degree enrolments in Food Nutrition Science and Technology

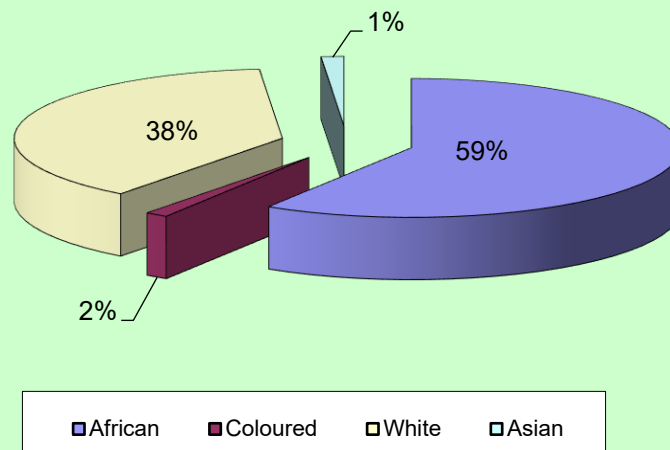


Figure 144 above illustrates that Africans dominated enrolments at Master's degree level in this CESM during the 2025 academic year with 59%, followed by Whites with 38%, Coloureds with 2% and Asians with 1%.

Figure 145: Gender breakdown of Master's degree enrolments in Food Nutrition Science and Technology

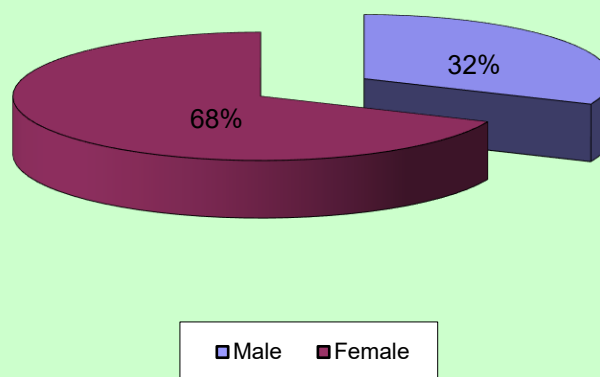


Figure 145 above depicts that females accounted for 68% of the Master's degree enrolments in Food Nutrition Science and Technology during the 2025 academic year whilst males constituted 32%.

Forty – six (46) students enrolled in this CESM at PhD level during the 2025 academic year; 17 were African males, 24 African females, 2 Coloured males, 1 was a Coloured female, 1 White male and 1 White female. No Asians were represented in this CESM at this level.

4.3.3.10 Botany enrolments during the 2025 academic year

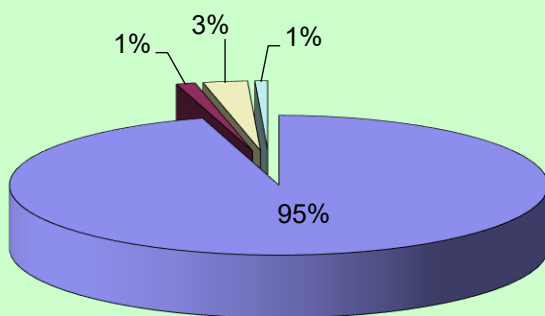
Six hundred and nine (609) students enrolled in this CESM during the 2025 academic year. Programmes in this CESM were offered by University of KwaZulu - Natal, Rhodes, Free State and Zululand. Botany includes programmes in Botany/Plant Biology, Plant Molecular Biology and Botany, Other.

Table 60 below presents a demographic breakdown of Botany enrolments during the 2025 academic year by level of qualification.

Table 60: Demographic breakdown of Botany enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	186	315	501	1	5	6	5	9	14	0	4	4	525
Honours	3	13	16	0	3	3	0	0	0	1	1	2	21
Master's	11	18	29	0	0	0	3	1	4	0	0	0	33
PhD	6	18	24	0	0	0	1	5	6	0	0	0	30
Total	206	364	570	1	8	9	9	15	24	1	5	6	609

During the 2025 academic year Undergraduate degree enrolments in this CESM accounted for 87%, followed by Whites and Asians with 5% respectively and Coloureds with 3%.

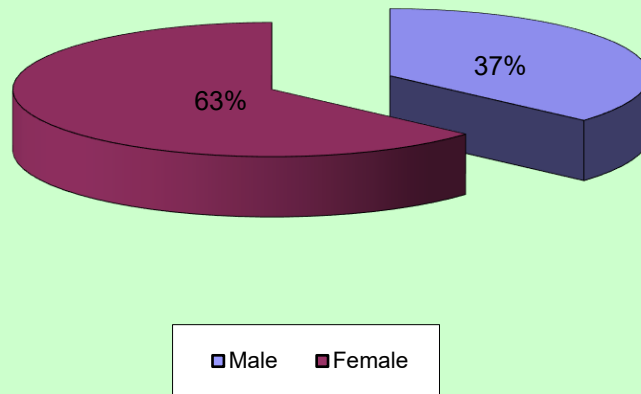
Figure 146: Racial breakdown of Undergraduate degree enrolments in Botany



■ African ■ Coloured □ White □ Asian

Figure 146 above portrays that Africans dominated the Undergraduate degree enrolments in Botany during the 2025 academic year with 95%, followed by Whites with 3% whilst Coloureds and Asians contributed 1% respectively.

Figure 147: Gender breakdown of Undergraduate degree enrolments in Botany



As depicted in figure 147 above, females dominated the Undergraduate degree enrolments in Botany with 63% whilst males constituted 37%.

Twenty - one (21) students enrolled in this CESM at Honours degree level during the 2025 academic year; 11 were African males, 18 African females, 3 White males and 1 was a White female. No Coloureds and Asians were represented at this level in this CESM during the 2025 academic year.

Figure 148: Racial breakdown of Master's degree enrolments in Botany

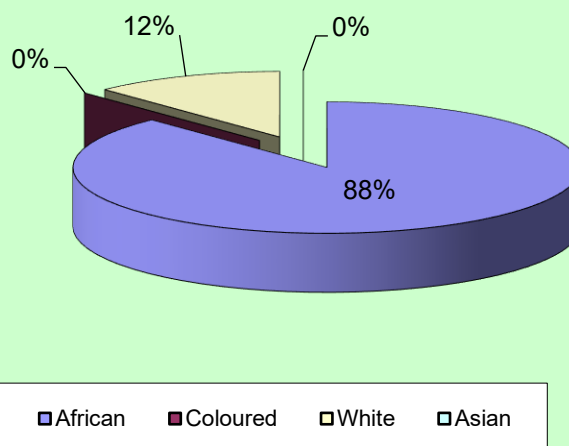


Figure 148 above portrays that Africans dominated the Master's degree enrolments in Botany during the 2025 academic year with 88%, followed by Whites with 12%. No Coloureds and Asians were represented in this CESM at Master's degree level.

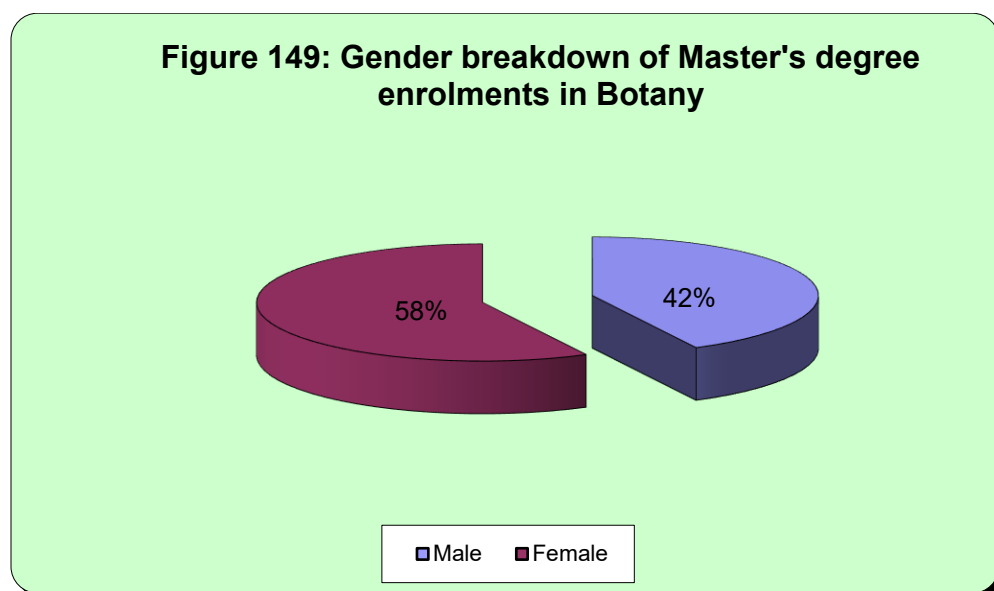


Figure 149 above illustrates that females dominated the Master's degree enrolments in Botany with 58% whilst males constituted 42%.

Thirty (30) students enrolled in this CESM at PhD level during the 2025 academic year; 6 were African males, 18 African females, 1 was a White male and 5 were White females. No Coloureds and Asians were represented in this CESM at PhD level.

4.3.3.11 Microbiology enrolments at universities during the 2025 academic year

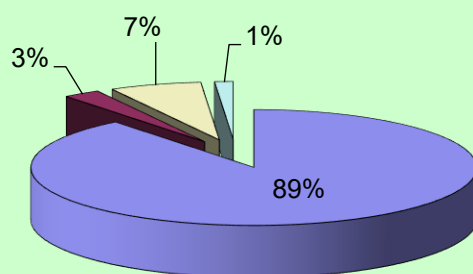
Five hundred and twenty - four (524) students enrolled in Microbiology during the 2025 academic year. These programmes were offered by the Universities of Pretoria, Rhodes, Zululand and Free State.

Table 61 below presents a demographic breakdown of Microbiology enrolments during the 2025 academic year by level of qualification.

Table 61: Demographic breakdown of Microbiology enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduates	113	289	402	0	3	3	3	3	6	0	3	3	414
Honour's	4	28	32	0	1	1	1	0	1	0	0	0	34
Master's	6	35	41	1	2	3	2	6	8	0	1	1	53
PhD	3	12	15	0	0	0	5	3	8	0	0	0	23
Total	126	364	490	1	6	7	11	12	23	0	4	4	524

During the 2025 academic year, Undergraduate degree enrolments in Microbiology accounted for 79%, followed by Master's degree with 10%, Honours with 6% and PhD with 4% of the total number of enrolments in this CESM.

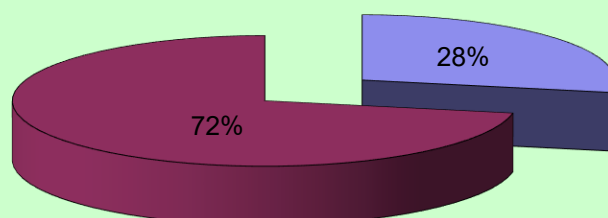
Figure 150: Racial breakdown of Undergraduate degree enrolments in Microbiology



■ African ■ Coloured ■ White ■ Asian

Figure 150 above depicts that Africans were at majority in this CESM at this level with 89%, Whites with 7%, Coloureds with 3% and Asians with 1%.

Figure 151: Gender breakdown of Undergraduate degree enrolments in Microbiology



■ Male ■ Female

Figure 151 above illustrates that females were dominant in this CESM at Undergraduate degree level during the 2025 academic year with 72% whilst males contributed 28%.

Thirty – four (34) students enrolled in this CESM at Honours degree level during the 2025 academic year; 4 were African males, 28 African females, 1 was a Coloured females and 1 White male. No Asians were represented in this CESM at Honours degree level.

Fifty – three (53) students enrolled in this CESM at Master's degree level during the 2025 academic year.

Figure 152: Racial breakdown of Master's degree enrolments in Microbiology

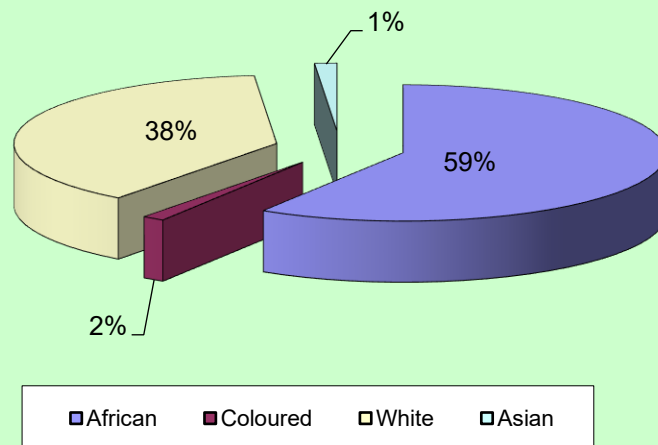


Figure 152 above depicts that Africans dominated enrolments in this CESM at this level with 59%, followed by Whites with 38%. Coloureds and Asians contributed 2% and 1% respectively.

Figure 153: Gender breakdown of Master's degree enrolments in Microbiology

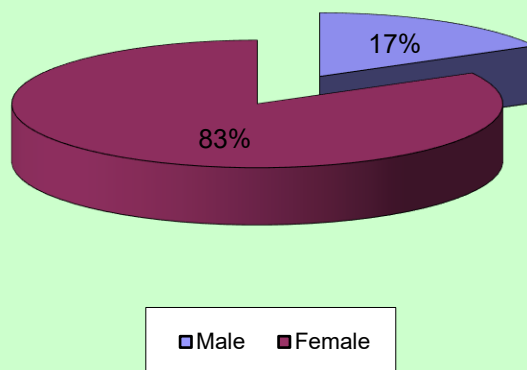


Figure 153 above shows that females dominated enrolments in this CESM at Master's degree level with 83% whilst males contributed 17%.

Twenty - three (23) students enrolled at PhD level in this CESM during the 2025 academic year; 3 were African males, 12 African females, 5 White males and 3 were White females. No Coloureds and Asians were represented at this level in this CESM.

4.3.3.12 Zoology enrolments during the 2025 academic year

Three hundred and seventy-five (375) students enrolled in Zoology during the 2025 academic year. Programmes in this CESM were offered by University of Rhodes, Free State, KwaZulu – Natal and Zululand. This CESM includes programmes in Zoology, Wildlife Biology and Zoology, Other.

Table 62 below presents a demographic breakdown of Zoology enrolments during the 2025 academic year by level of qualification.

Table 62: Demographic breakdown of Zoology enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduates	78	179	257	3	3	6	5	8	13	1	3	4	280
Honours	7	11	18	0	0	0	2	7	9	1	1	2	29
Master's	8	17	25	1	2	3	5	5	10	0	0	0	38
PhD	11	8	19	0	0	0	6	2	8	0	1	1	28
Total	104	215	319	4	5	9	18	22	40	2	5	7	375

Undergraduate degree level constituted 75% of the total number of enrolments in this CESM, followed by Master's degree with 10%, Honours with 8% and PhD enrolments with 7%.

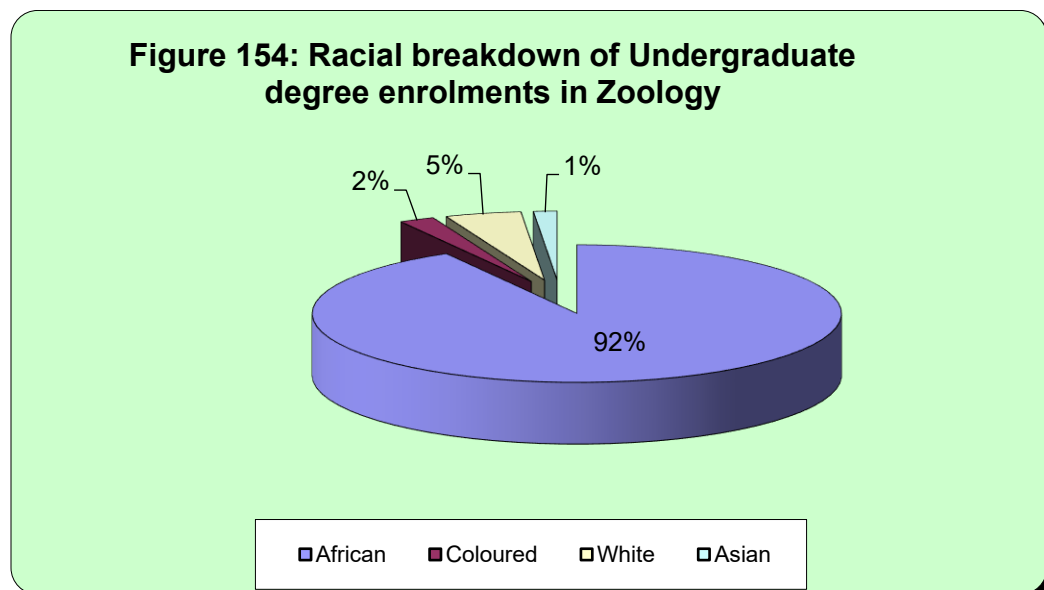


Figure 154 above indicates that Africans dominated enrolments in this CESM at Undergraduate degree level with 92%, followed by Whites with 5%, Coloureds with 2% and Asians with 1%.

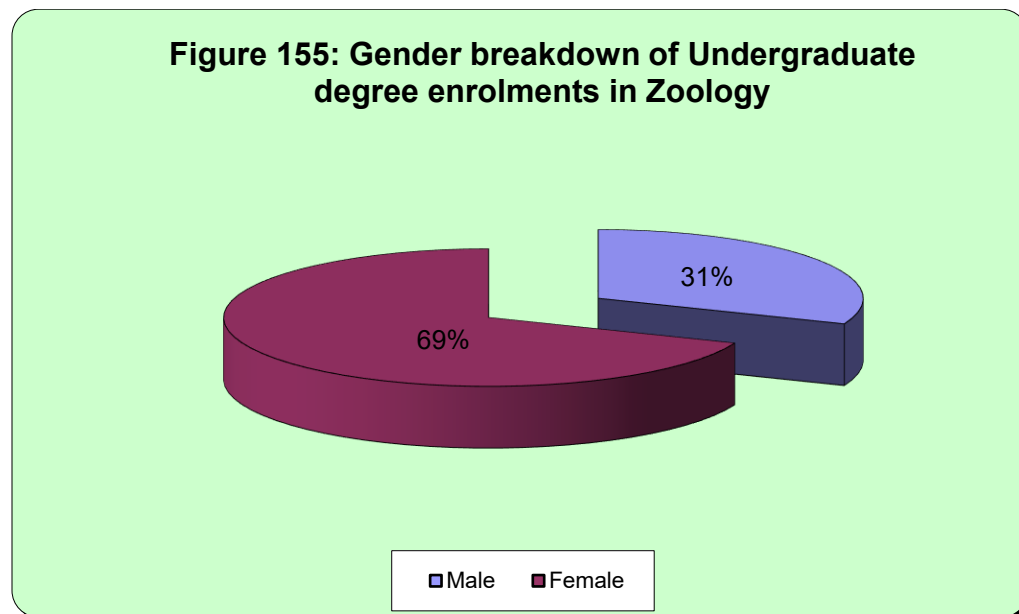
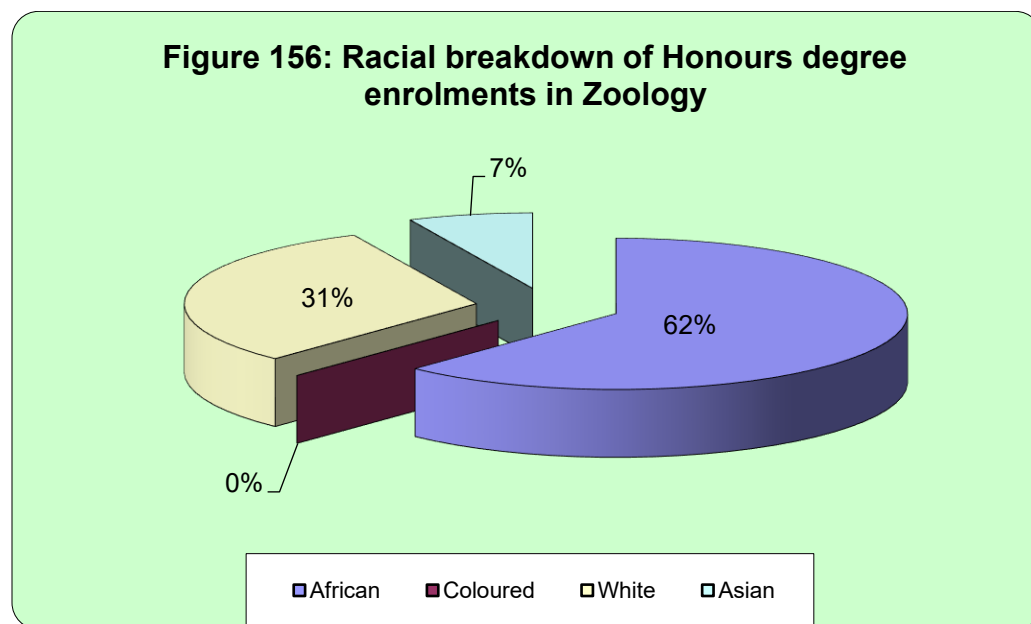


Figure 155 above shows that females were dominant in this CESM at Undergraduate degree level with 69% whilst males accounted for 31%.



Racial classification in figure 156 above shows that Africans were at majority in this CESM at Honours degree level with 62%, followed by Whites with 31% and Asians with 7%. No Coloureds were represented at Honours degree level in this CESM during the 2025 academic year.

Figure 157: Gender breakdown of Honours degree enrolments in Zoology

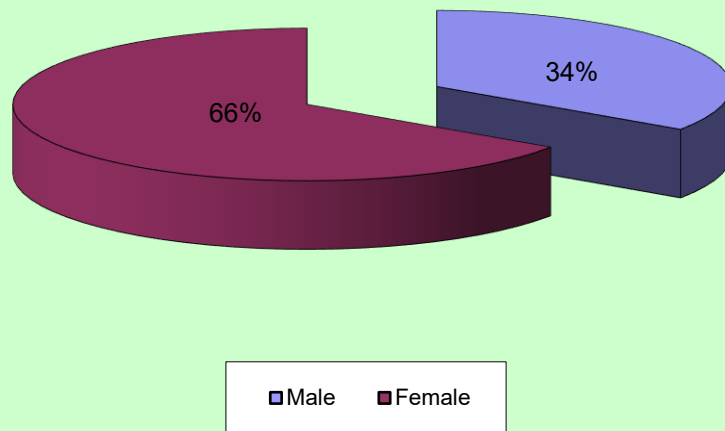


Figure 157 above depicts that females dominated the Honours degree enrolments in this CESM with 66% whilst males accounted for 34%.

Figure 158: Racial breakdown of Master's degree enrolments in Zoology

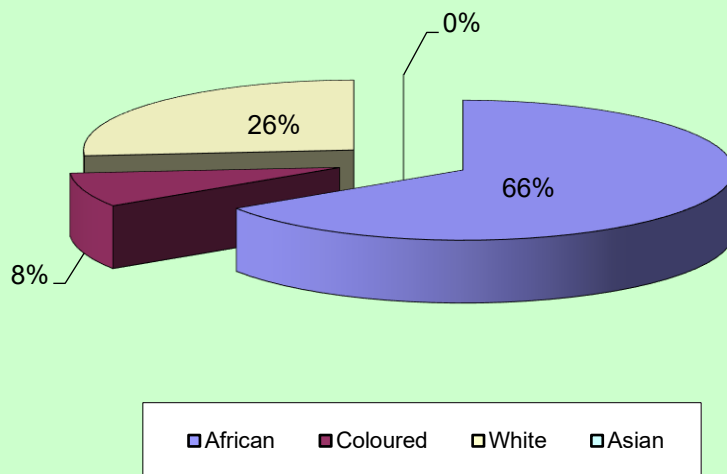


Figure 158 above depicts that Africans were at majority in this CESM at Master's degree level with 66%, followed by Whites with 26% and Coloureds with 8%. No Asians were represented in this CESM at Master's degree level during the 2025 academic year.

Figure 159: Gender breakdown of Master's degree enrolments in Zoology

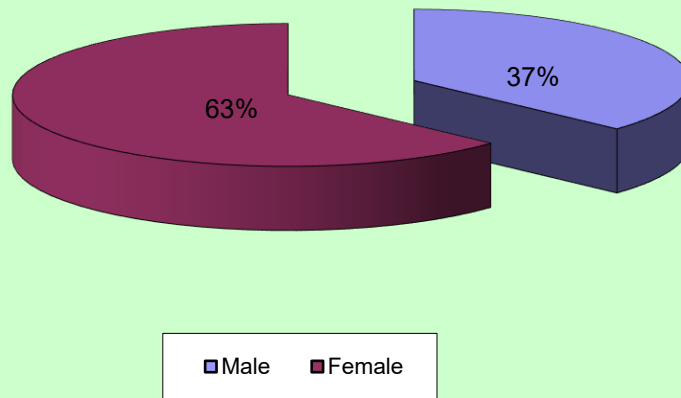


Figure 159 above shows that females were dominant in this CESM at Master's degree level with 63% whilst males contributed 37%.

Twenty - eight (28) students enrolled at PhD level in this CESM during the 2025 academic year; 11 were African males, 8 African females, 6 White males, 2 White females and 1 was an Asian female.

4.3.3.13 Genetics enrolments during the 2025 academic year

One hundred and eighty - one (181) students enrolled in this CESM during the 2025 academic year. Programmes in this CESM were offered by University of KwaZulu – Natal, Stellenbosch, Free State and Pretoria. This CESM includes programmes in Genetics, Molecular Genetics, Microbial Genetics and Genetics, Other.

Table 63 below presents a demographic breakdown of Genetics enrolments during the 2025 academic year by level of qualification.

Table 63: Demographic breakdown of Genetics enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	33	67	100	4	5	9	7	15	22	0	2	2	133
Honours	2	15	17	1	1	2	2	7	9	0	0	0	28
Masters	0	2	2	0	0	0	1	1	2	0	0	0	4
PhD	2	3	5	0	0	0	3	7	10	1	0	1	16
Total	37	87	124	5	6	11	13	30	43	1	2	3	181

During the 2025 academic year Undergraduate degree enrolments in this CESM contributed 73%, followed by Honours with 16%, PhD with 9% and Masters with 2%.

Figure 160: Racial breakdown of Undergraduate degree enrolments in Genetics

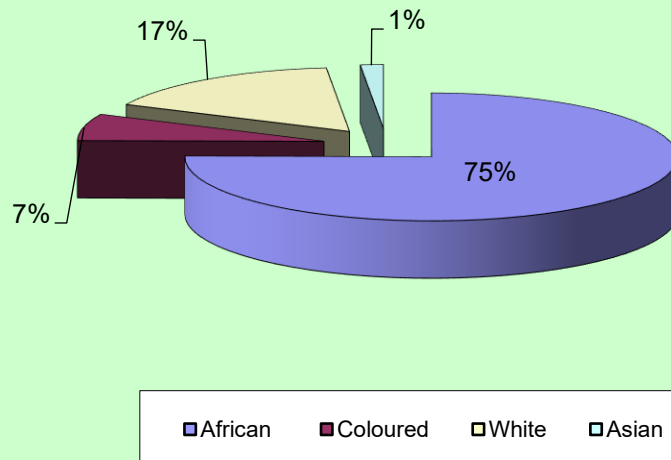


Figure 160 above shows that Africans were at majority in this CESM during the 2025 academic year with 75%, followed by Whites with 17%, Coloureds with 7% and Asians with 1%.

Figure 161: Gender breakdown of Undergraduate degree enrolments in Genetics

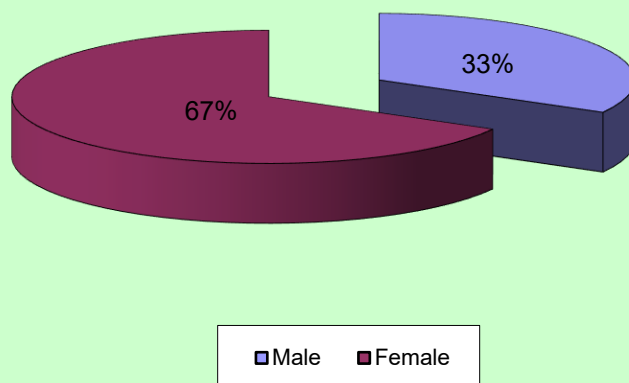
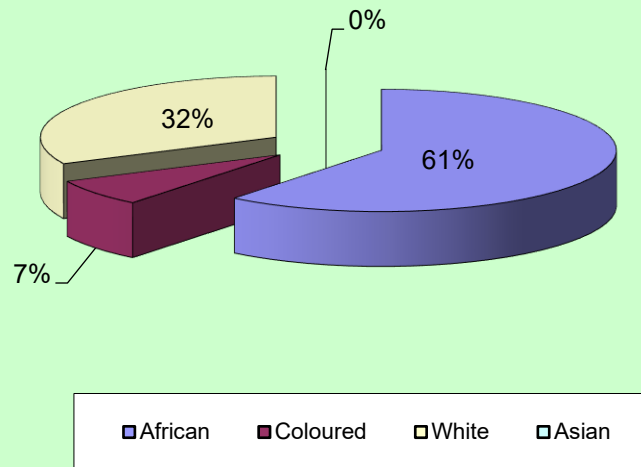


Figure 161 above shows that females were dominant in this CESM at Undergraduate degree level with 67% whilst males contributed 33%.

Figure 162: Racial breakdown of Honours degree enrolments in Genetics



Racial classification in figure 162 above shows that Africans were at majority in this CESM at Honours degree level during the 2025 academic year with 61%, followed by Whites with 32% and Coloureds with 7%. No Asians were represented in this CESM at this level.

Figure 163: Gender breakdown of Honours degree enrolments in Genetics

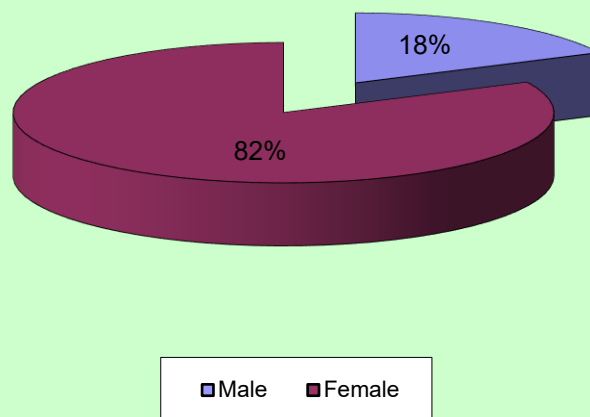


Figure 163 above shows that females were dominant in this CESM at Honours degree level with 82% whilst males contributed 18%.

Four (4) students registered at Master's degree level in this CESM during the 2025 academic year; 2 were African females, 1 was a White male and 1 White female. No Coloureds and Asians were represented in this CESM at this level.

Sixteen (16) students registered at PhD level in this CESM during the 2025 academic year; 2 were African males, 3 African females, 3 White males, 7 White females and 1 was an Asian male. No Coloureds were represented in this CESM at this level.

4.3.3.14 Agricultural Biotechnology enrolments during the 2025 academic year

Three hundred and two (302) students enrolled in this CESM during the 2025 academic year. Programmes in this CESM were offered by University of Western Cape, Pretoria, Johannesburg and Rhodes.

Table 64 below presents a demographic breakdown of Agricultural Biotechnology enrolments during the 2025 academic year by level of qualification.

Table 64: Demographic breakdown of Agricultural Biotechnology enrolments in 2025													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	16	34	50	3	7	10	1	88	89	2	10	12	161
Honours	1	12	13	2	8	10	0	0	0	0	1	1	24
Master's	7	14	21	13	19	32	2	2	4	2	1	3	60
PhD	11	19	30	4	14	18	3	3	6	1	2	3	57
Total	35	79	114	22	48	70	6	93	99	5	14	19	302

During the 2025 academic year, Undergraduate degree enrolments in this CESM accounted for 53%, followed by Master's degree with 20%, PhD enrolments with 19% and Honours degree with 8%.

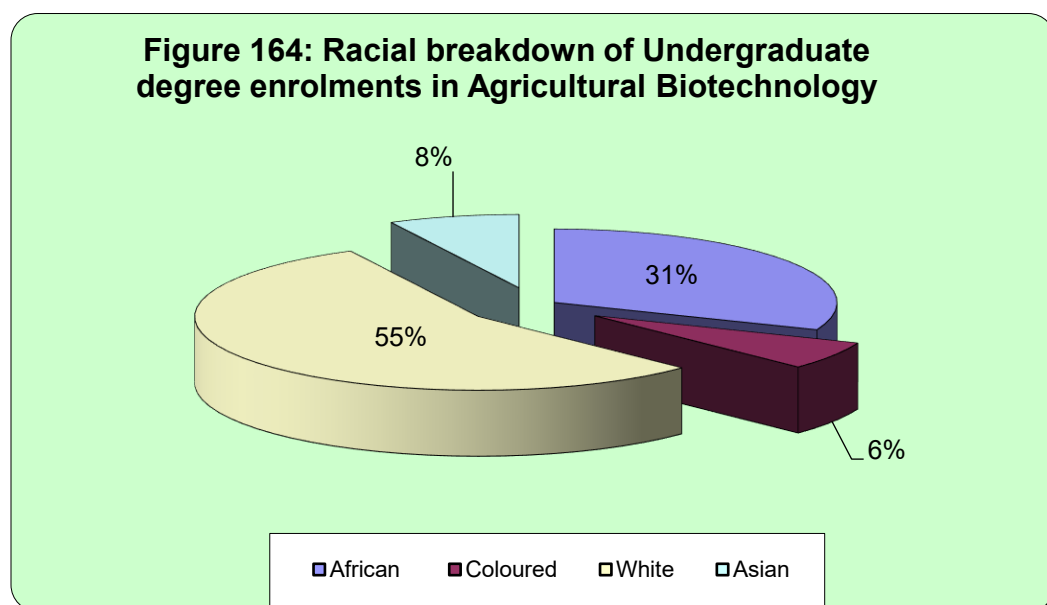


Figure 164 above indicates that Whites dominated enrolments in Agricultural Biotechnology at Undergraduate degree level during the 2025 academic year with 55%, followed by Africans with 31%, Asians with 8% and Coloureds with 6%.

Figure 165: Gender breakdown of Undergraduate degree enrolments in Agricultural Biotechnology

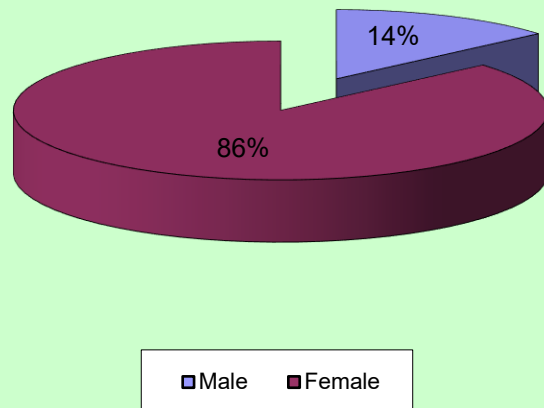
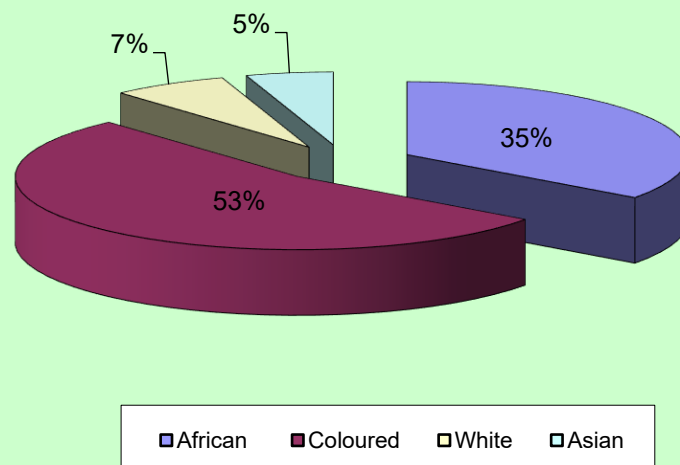


Figure 165 above shows that females were dominant in this CESM at Undergraduate degree level with 86% whilst males contributed 14%.

Twenty four (24) students enrolled in Agricultural Biotechnology at Honours degree level during the 2025 academic year; 1 was an African male, 12 African females, 2 Coloured males, 8 Coloured females and 1 was an Asian female. No Whites were represented in this CESM at this level.

Figure 166: Racial breakdown of Master's degree enrolments in Agricultural Biotechnology



Racial classification in figure 166 above shows that Coloureds were at majority in this CESM at Master's degree level with 53%, followed by Africans with 35%, Whites with 7% and Asians with 5%.

Figure 167: Gender breakdown of Master's degree enrolments in Agricultural Biotechnology

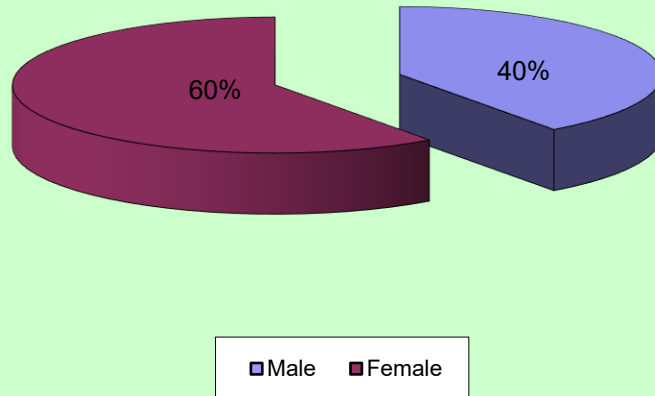
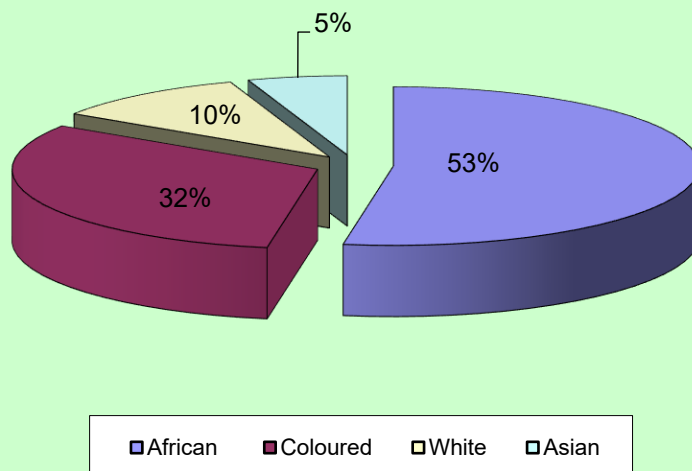


Figure 167 above depicts that females dominated the Master's degree enrolments in this CESM with 60% and males contributed 40%.

Figure 168: Racial breakdown of PhD degree enrolments in Agricultural Biotechnology



As shown in figure 168 above Africans dominated enrolments at PhD level in this CESM with 53%, followed by Coloureds with 32%, Whites with 10% and Asians with 5%.

Figure 169: Gender breakdown of PhD degree enrolments in Agricultural Biotechnology

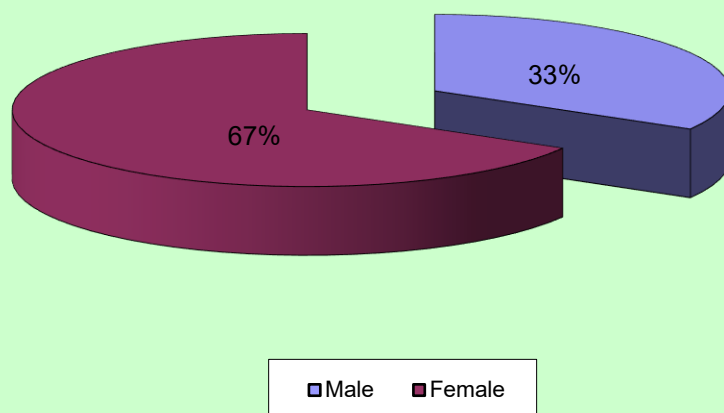


Figure 169 above indicates that females were dominant in this CESM at PhD level with 67% whilst males accounted for 33%.

4.3.3.15 Biochemistry and Chemistry enrolments during the 2025 academic year

One thousand six hundred and forty – six (1 646) students enrolled in this CESM during the 2025 academic year. Programmes in this CESM were offered by University of Rhodes, Pretoria, Free State, Limpopo and Zululand. This CESM includes programmes in Biochemistry, Molecular Biochemistry, Molecular Biophysics, Biochemistry and Chemistry, Other.

Table 65 below presents a demographic breakdown of Biochemistry and Chemistry enrolments during the 2025 academic year by level of qualification.

Table 65: Demographic breakdown of Biochemistry and Chemistry enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	409	993	1402	1	11	12	9	24	33	2	3	5	1452
Honours	18	49	67	0	2	2	0	5	5	0	1	1	75
Master's	26	29	55	1	0	1	2	4	6	2	1	3	65
PhD	19	17	36	0	0	0	7	9	16	0	2	2	54
Total	472	1088	1560	2	13	15	18	42	60	4	7	11	1646

Undergraduate degree enrolments in this CESM accounted for 88%, followed by Honours degree level with 5%, Master's degree with 4% and PhD with 3%.

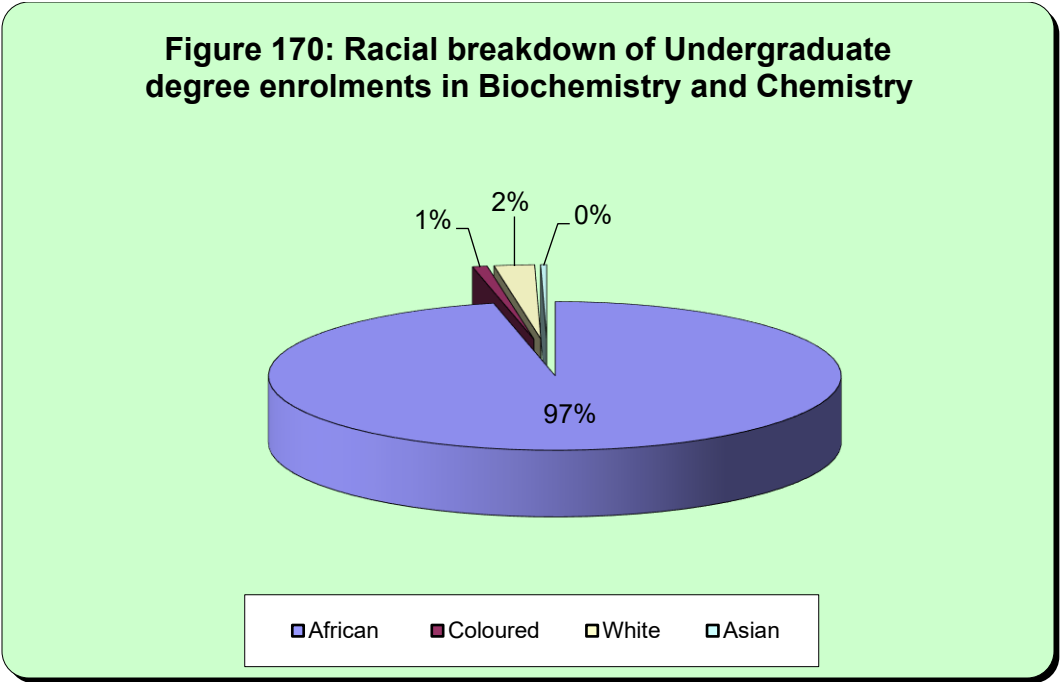
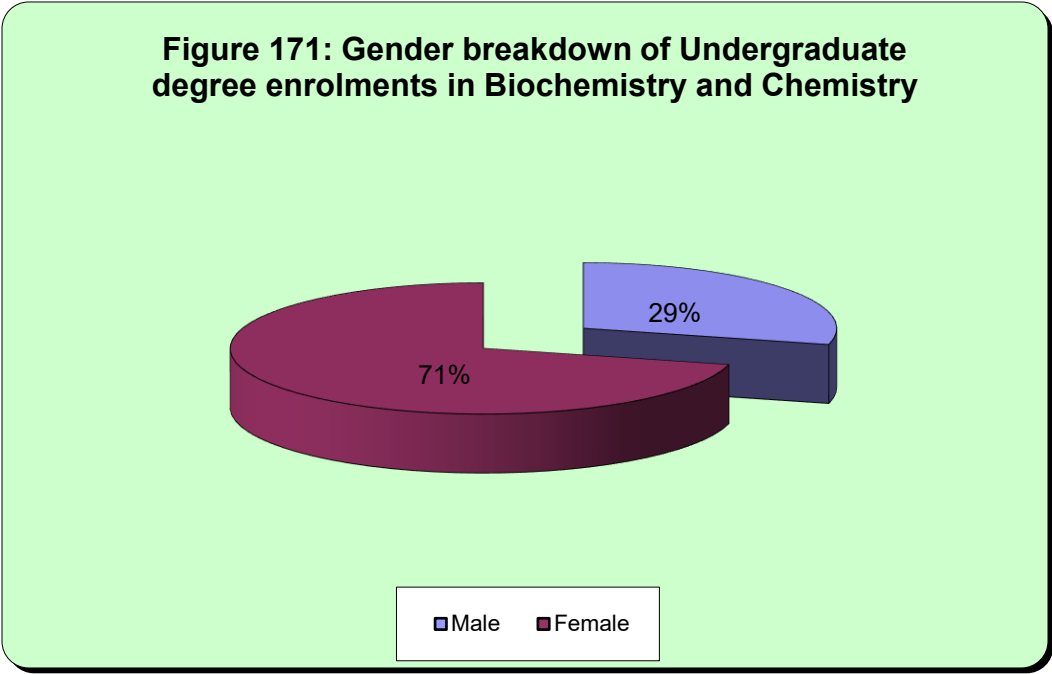


Figure 170 above portrays that Africans were dominant in this CESM at Undergraduate degree level with 97%, followed by Whites with 2% and Coloureds with 1%. No Asians were represented in this CESM at this level during the 2025 academic year.



As depicted in figure 171 above females were dominant in this CESM at Undergraduate degree level with 71% whilst males accounted for 29%.

Figure 172: Racial breakdown of Honours degree enrolments in Biochemistry and Chemistry

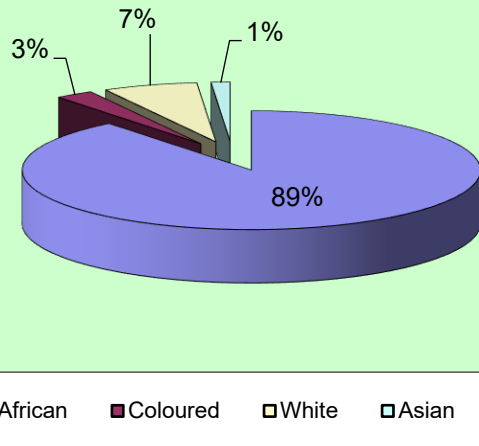


Figure 172 above illustrates that Africans dominated enrolments in this CESM at this level with 89%, followed by Whites with 7%, Coloureds with 3% and Asians with 1%.

Figure 173: Gender breakdown of Honours degree enrolments in Biochemistry and Chemistry

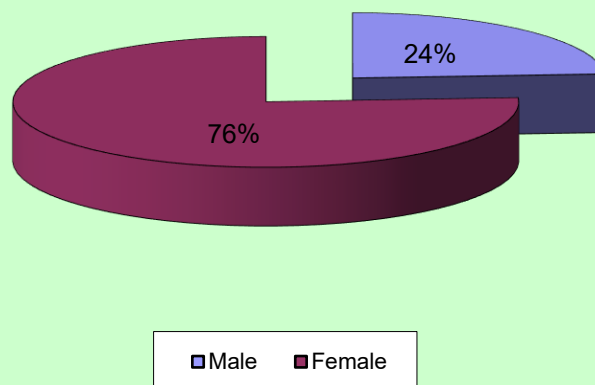


Figure 173 above shows that females dominated enrolments in this CESM at Honours degree level with 76% whilst males contributed 24%.

Sixty - five (65) students enrolled in this CESM at Master's degree level during the 2025 academic year; 26 were African males, 29 African females, 1 was a Coloured male, 2 were White males, 4 White females, 2 Asian males and 1 was an Asian female.

Fifty – four (54) students enrolled in this CESM at PhD level, 19 were African males, 17 African females, 7 White males, 9 White females and 2 were Asian females. No Coloureds were represented in this CESM at this level during the 2025 academic year.

4.3.3.16 Viticulture and Oenology enrolments during the 2025 academic year

Three hundred and nineteen (319) students enrolled in this CESM during the 2025 academic year. Programmes in this CESM were offered only by the University of Stellenbosch. This CESM includes programmes in Viticulture and Oenology, Other.

Table 66 below presents a demographic breakdown of Viticulture and Oenology enrolments during the 2025 academic year by level of qualification.

Table 66: Demographic breakdown of Viticulture and Oenology enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	10	21	31	9	10	19	81	107	188	0	4	4	242
Honour's	1	3	4	0	2	2	1	2	3	0	0	0	9
Master's	3	8	11	4	6	10	12	14	26	0	0	0	47
PhD	2	3	5	1	4	5	7	4	11	0	0	0	21
Total	16	35	51	14	22	36	101	127	228	0	4	4	319

During the 2025 academic year, Undergraduate degree enrolments in this CESM constituted 76%, followed by Master's degree with 15%, PhD with 7% and Honours degree with just 3%.

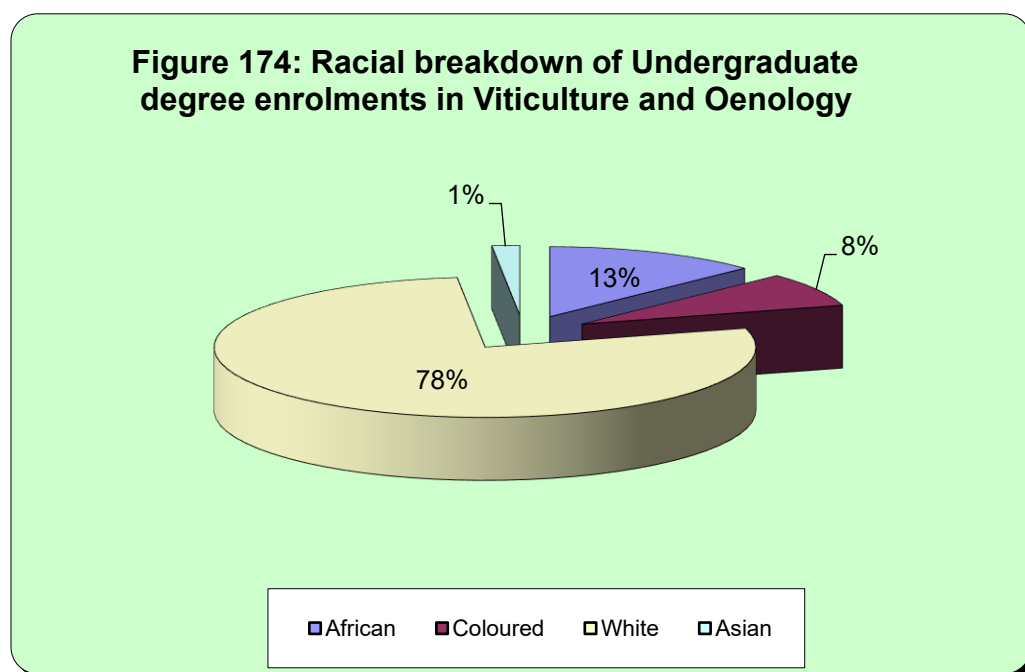


Figure 174 above shows that Whites were at majority in this CESM at this level with 78%, followed by Africans with 13%, Coloureds with 8% and Asians with 1%.

Figure 175: Gender breakdown of Undergraduate degree enrolments in Viticulture and Oenology

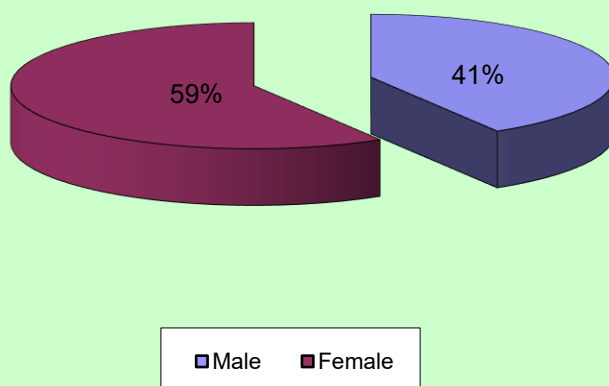


Figure 175 above indicates that females were dominant in this CESM at Undergraduate degree level with 59% whilst males accounted for 41%.

Nine (9) students were enrolled in this CESM at Honours degree level; 1 was an African male, 3 were African females, 2 Coloured females, 1 was a White male and 2 were White females. No Asians were represented in this CESM at this level.

Figure 176: Racial breakdown of Master's degree enrolments in Viticulture and Oenology

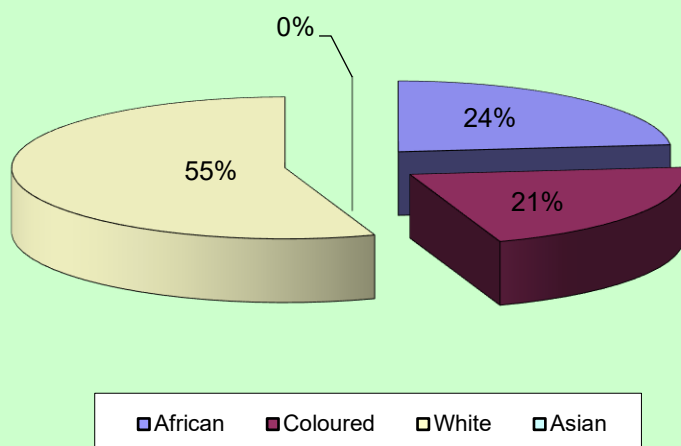


Figure 176 above portrays that Whites were at majority in this CESM at Master's degree level with 55%, followed by Africans with 24% and Coloureds with 21%. No Asians were represented in this CESM at this level during the 2025 academic year.

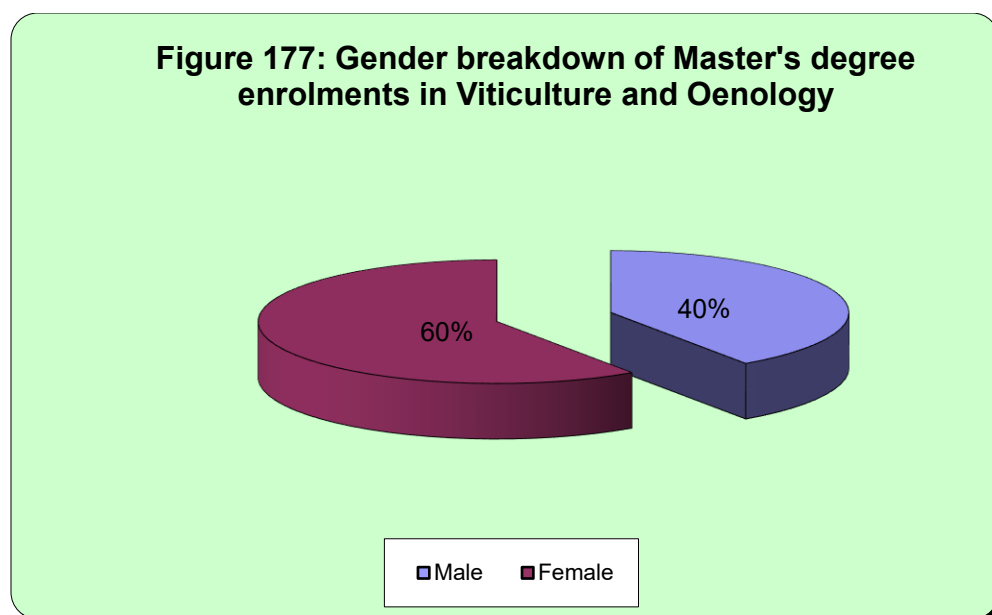


Figure 177 above indicates that females were dominant in this CESM at Master's degree level with 60% whilst males accounted for 40%.

Twenty - one (21) students were enrolled in this CESM at PhD level during the 2025 academic year; 2 were African males, 3 African females, 1 was a Coloured male, 4 Coloured females, 7 were White males and 4 White females. No Asians were represented in this CESM at PhD level.

4.3.3.17 Veterinary Science enrolments during the 2025 academic year

One thousand four hundred and ninety - eight (1 498) students enrolled in this CESM during the 2025 academic year. Programmes in this CESM were offered only by the University of Pretoria. This CESM includes programmes such as Veterinary Science, Veterinary Medicine, Veterinary Epidemiology, Veterinary Tropical Disease, Veterinary Science and Other.

Table 67 below presents a demographic breakdown of Veterinary Science enrolments during the 2025 academic year by level of qualification.

Table 67: Demographic breakdown of Veterinary Science enrolments in 2025 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	15	32	47	0	5	5	1	78	79	0	8	8	139
Honours	71	123	194	15	43	58	174	493	667	36	102	138	1057
Master's	38	49	87	0	5	5	19	69	88	3	6	9	189
PhD	38	31	69	0	6	6	13	24	37	0	1	1	113
Total	162	235	397	15	59	74	207	664	871	39	117	156	1498

During the 2025 academic year, the Honours degree level dominated enrolments in this CESM with 71%, followed by Master's with 13%, Undergraduate degree with 9% and PhD with 7%.

Figure 178: Racial breakdown of Undergraduate degree enrolments in Veterinary Science

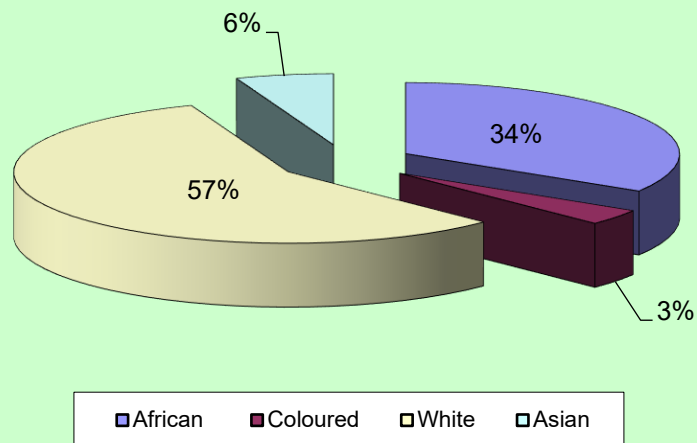
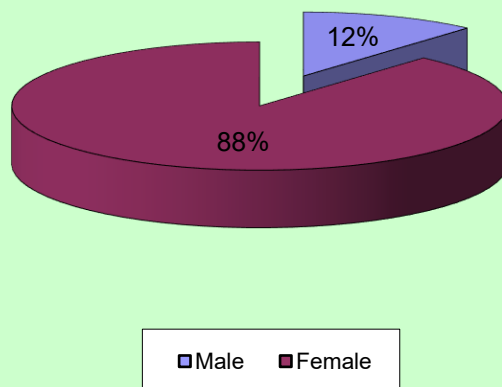


Figure 178 above shows that Whites were at majority in this CESM at Undergraduate degree level with 57%, followed by Africans with 34%, Asians and Coloureds accounted for 6% and 3% respectively.

Figure 179: Gender breakdown of Undergraduate degree enrolments in Veterinary Science



As depicted in figure 179 above females were dominant in this CESM at Undergraduate degree level with 88% whilst males accounted for 12%.

Figure 180: Racial breakdown of Honours degree enrolments in Veterinary Science

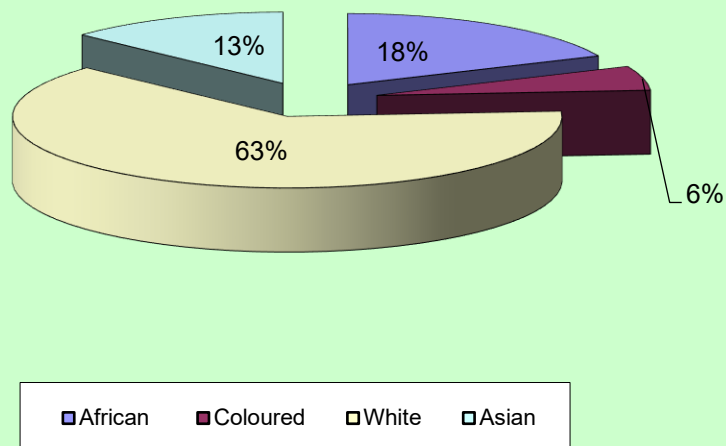


Figure 180 above indicates that Whites were at majority at Honours degree level in this CESM with 63%, followed by Africans with 18%, Asians with 13% and Coloureds with 6%.

Figure 181: Gender breakdown of Honours degree enrolments in Veterinary Science

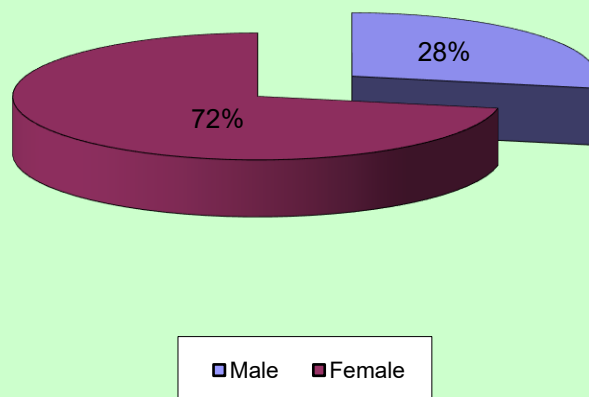


Figure 181 above depicts that female students were dominant at Honours degree level in this CESM with 72% whilst males accounted for 28%.

Figure 182: Racial breakdown of Master's degree enrolments in Veterinary Science

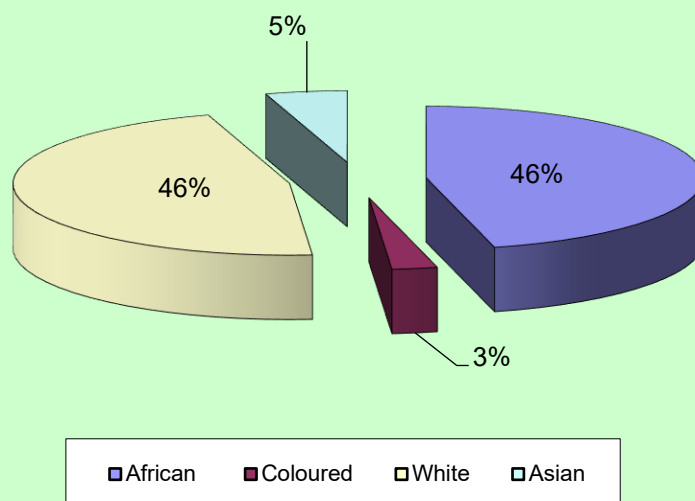
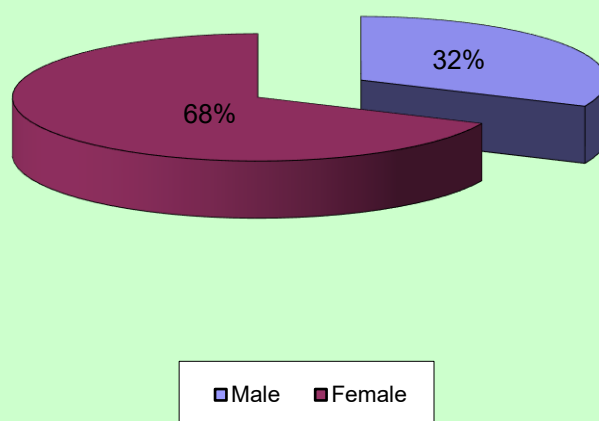


Figure 182 above portrays that both Whites and Africans contributed 46% each of the total Master's degree enrolments in this CESM, followed by Asians with 5% and Coloureds with 3%.

Figure 183: Gender breakdown of Master's degree enrolments in Veterinary Science



As depicted in figure 183 above, females were dominant in this CESM at Master's degree level with 68% whilst males accounted for 32%

Figure 184: Racial breakdown of PhD enrolments in Veterinary Science

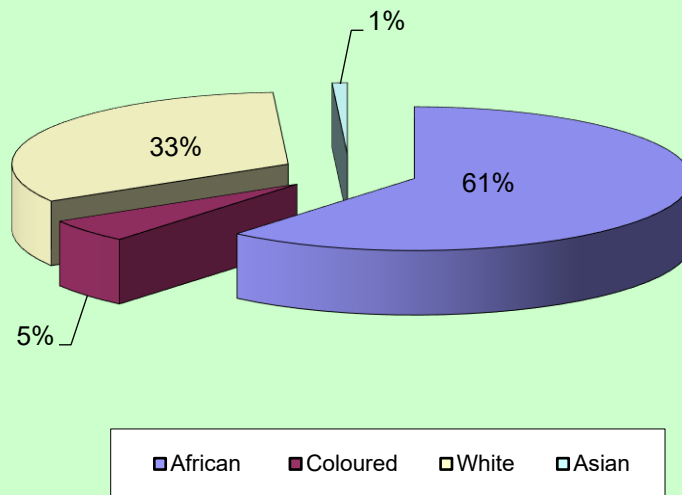


Figure 184 above portrays that Africans dominated enrolments in this CESM at PhD level with 61%, followed by Whites with 33%, Coloureds with 5% and Asians with 1%.

Figure 185: Gender breakdown of PhD enrolments in Veterinary Science

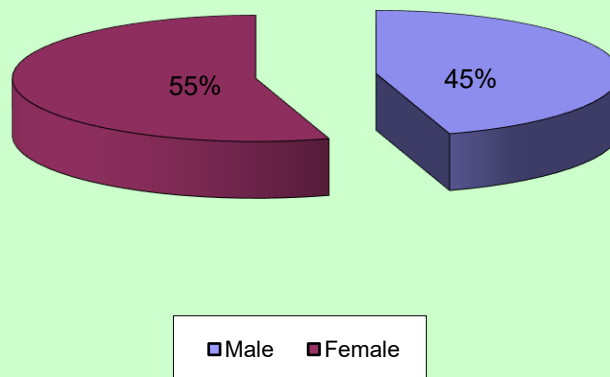


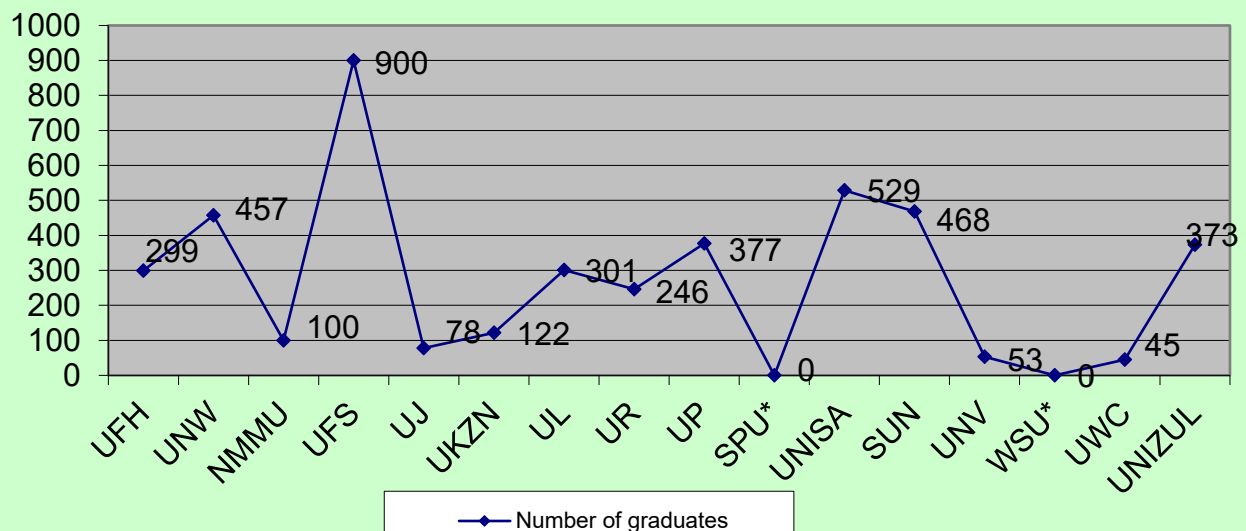
Figure 185 above shows that females dominated enrolments in this CESM at PhD level with 55% whilst males accounted for 45%.

4.4 Agriculture Education and Training graduates during 2024 academic year

A total number of four thousand three hundred and forty – eight (4 348) graduates were produced during the 2024 academic year. Table 68 below illustrates that the University of Free State constituted the highest percentage of the overall graduates produced with 21%, followed by South Africa with 12%, Stellenbosch and North – West with 11% respectively. Other universities contributed less than 10% of the number of graduates.

Table 68: AET graduate figures at universities in 2024		
Name of the university	Number of graduates	Percentage (%)
UFH	299	7
UNW	457	11
NMMU	100	2
UFS	900	21
UJ	78	2
UKZN	122	3
UL	301	7
UR	246	6
UP	377	9
SPU*	0	0
UNISA	529	12
SUN	468	11
UNV	53	1
WSU*	0	0
UWC	45	1
UNIZUL	373	9
Total	4348	100

Figure 186: Graduates figures at universities



As shown on table 68 and figure 186 above the University of Free State, South Africa, Stellenbosch, North – West, Limpopo, Pretoria and Zululand produced more graduates during the 2024 academic year

4.4.1 Demographic breakdown of Agricultural Education and Training graduates during the 2024 academic year

Table 69 presents a demographic breakdown of graduate figures in AET during the 2024 academic year.

Table 69: Demographic breakdown of AET graduates by gender and race in 2024													
Name of the University	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
University of Fort Hare	161	138	299	0	0	0	0	0	0	0	0	0	299
University of North - West	154	232	386	18	0	18	36	17	53	0	0	0	457
Nelson Mandela Metropolitan University	31	58	89	0	1	1	9	1	10	0	0	0	100
University of Free State	225	501	726	7	11	18	77	69	146	6	4	10	900
University of Johannesburg	14	63	77	0	0	0	0	0	0	0	1	1	78
University of KwaZulu-Natal	71	43	113	1	0	1	2	0	3	3	2	5	122
University of Limpopo	127	174	301	0	0	0	0	0	0	0	0	0	301
University of Rhodes	47	141	188	2	16	18	16	13	29	5	6	11	246
University of Pretoria	36	46	82	1	5	6	95	163	258	9	22	31	377
Sol Plaatje University	0	0	0	0	0	0	0	0	0	0	0	0	0
University of South Africa	89	370	459	2	4	6	27	32	59	3	2	5	529
University of Stellenbosch	29	67	96	14	18	32	173	158	331	1	8	9	468
University of Venda	12	41	53	0	0	0	0	0	0	0	0	0	53
University of Walter Sisulu	0	0	0	0	0	0	0	0	0	0	0	0	0
University of Western Cape	7	15	22	5	15	20	2	0	2	1	0	1	45
University of Zululand	106	266	372	0	0	0	0	0	0	0	1	1	373
Total	1109	2154	3263	50	70	120	437	453	891	28	46	74	4348

Figure 187: Racial breakdown of AET graduates in 2024

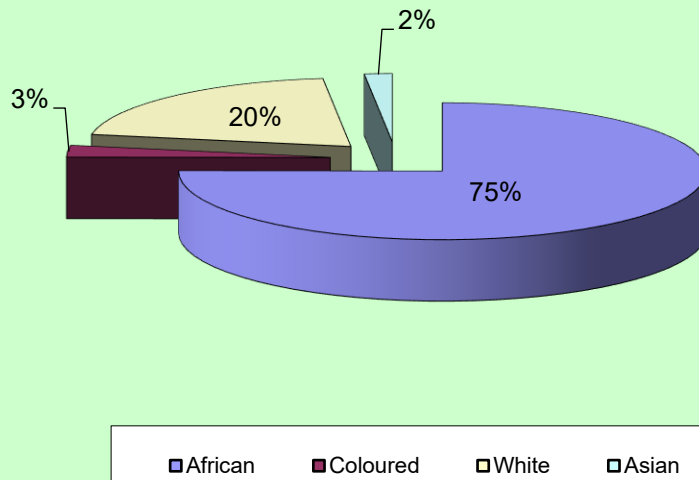


Figure 187 above shows that Africans dominated the number of graduates produced during the 2024 academic year with 75%, followed by Whites with 20%, Coloureds with 3% and Asians with 2%.

Figure 188: Gender breakdown of AET graduates in 2024

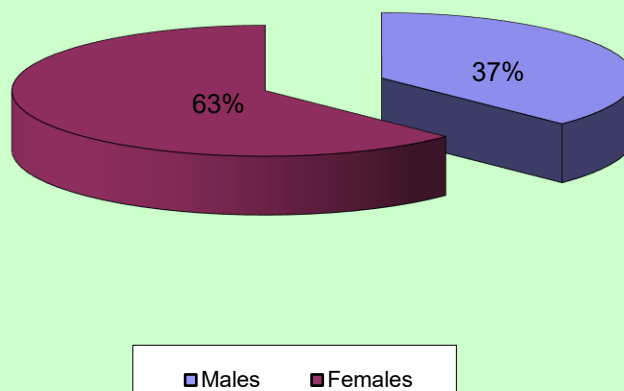


Figure 188 above portrays that females dominated the number of graduates produced during the 2024 academic year with 63% whilst males constituted 37%.

Figure 189: Racial breakdown of female AET graduates in 2024

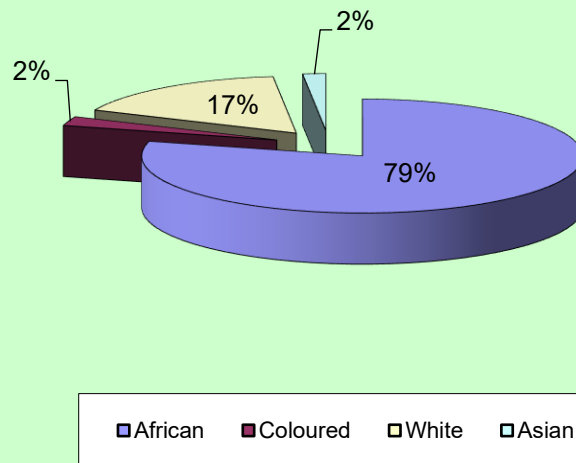


Figure 189 above indicates that African females dominated the total number of female graduates produced during the 2024 academic year with 79%, followed by Whites with 17%, Coloured and Asian female graduates accounted for 2% respectively.

Figure 190: Racial breakdown of male AET graduates in 2024

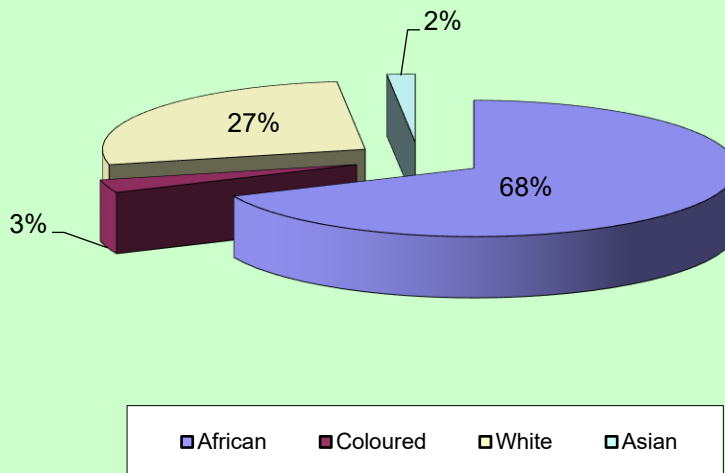


Figure 190 above indicates that African male graduates dominated the number of male graduates produced during the 2024 academic year with 68%, followed by Whites with 27%, Coloureds and Asian males constituted 3% and 2% respectively.

4.4.2 Agriculture Education and Training graduates by CESM and level of qualification during the 2024 academic year

Table 70 below presents AET graduates by CESM and level of qualification in 2024.

Table 70: Demographic breakdown of AET graduates by CESM and level of qualification in 2024					
CESM	Undergraduate	Honours	Master's	PhD	Total
Agricultural Business and Management	469	324	91	12	896
Agricultural Mechanization	6	7	0	1	14
Agricultural Production Operations	209	164	33	0	406
Applied Horticulture and Horticultural Business Services	0	17	13	5	35
Animal Sciences	578	201	61	14	854
Plant Sciences	19	112	58	27	216
Soil Sciences	5	74	20	6	105
Agriculture, Agricultural Operations and Related Sciences, Other	203	261	125	30	619
Food Nutrition Science and Technology	0	122	29	12	163
Viticulture and Oenology	10	37	14	4	65
Biochemistry and Chemistry	272	25	11	5	313
Botany	51	10	10	3	74
Microbiological Sciences	111	16	13	3	143
Zoology	41	23	12	6	82
Genetics	0	56	9	2	67
Biotechnology	1	23	24	9	57
Veterinary Science	0	194	37	8	239
Total	1975	1666	560	147	4348
%	45	38	13	3	100

Table 70 above indicates that Agricultural Business and Management, Agriculture, Agricultural Operations and Related Science, Other and Animal Science produced more graduates during the 2024 academic year with 21%, 20% and 14% respectively. Other CESMs contributed less than 10% of the total AET graduates produced in 2024.

4.4.3 Breakdown of AET graduates by CESM during the 2024 academic year

Table 71 below outlines that a total number of one thousand nine hundred and seventy - five (1 975) graduates were produced at Undergraduate degree level during the 2024 academic year.

Table 71: Demographic breakdown of graduates at Undergraduate degree level by CESM in 2024													
CESM Category (Undergraduate)	African			Coloured			White			Asian			Total
	M	F	T	M	O	T	M	F	T	M	F	T	
Agricultural Business and Management	152	250	402	3	2	5	40	19	59	1	2	3	469
Agricultural Mechanization	1	2	3	0	0	0	0	0	0	2	1	3	6
Agricultural Production Operations	56	84	140	1	0	1	48	19	67	1	0	1	209
Applied Horticulture and Horticultural Business Services	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal Sciences	145	375	520	1	3	4	21	29	50	2	2	4	578
Plant Sciences	8	11	19	0	0	0	0	0	0	0	0	0	19
Soil Sciences	3	2	5	0	0	0	0	0	0	0	0	0	5
Food Nutrition Science and Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Agriculture, Agricultural Operations and Related Sciences, Other	73	109	182	2	1	3	15	3	18	0	0	0	203
Viticulture and Oenology	0	0	0	3	0	3	5	2	7	0	0	0	10
Botany	15	30	45	0	1	1	3	1	4	0	1	1	51
Microbiology	33	70	103	0	5	5	0	1	1	1	1	2	111
Zoology	7	17	24	0	2	2	5	5	10	2	3	5	41
Genetics	0	0	0	0	0	0	0	0	0	0	0	0	0
Biotechnology	0	1	1	0	0	0	0	0	0	0	0	0	1
Biochemistry and Chemistry	63	187	250	1	9	10	1	9	10	0	2	2	272
Veterinary Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	556	1138	1694	11	23	34	138	88	226	9	12	21	1975

Table 71 above shows that Animal Science, Agricultural Business and Management, Biochemistry and Chemistry, Agricultural Production Operations and Agriculture, Agricultural Operations and Related Sciences, Other produced the highest number of the undergraduate degree graduates with 29%, 24%, 14%, 11% and 10% respectively. Other CESM's contributed less than 10% of graduates during the 2024 academic year.

Honours degree graduates by CESM during the 2024 academic year

Table 72 below outlines that a total number of 1 666 graduates were produced at Honours degree level during the 2024 academic year.

Table 72: Graduates at Honours degree by CESM at universities in 2024													
CESM Category (Honour's)	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Agricultural Business and Management	96	166	262	1	0	1	48	12	60	0	1	1	324
Agricultural mechanization	1	3	4	0	0	0	2	0	2	1	0	1	7
Agricultural Production Operations	66	68	134	1	4	5	18	7	25	0	0	0	164
Applied Horticulture and Horticultural Business Services	7	10	17	0	0	0	0	0	0	0	0	0	17
Animal Sciences	46	78	124	0	1	1	32	42	74	1	1	2	201
Plant Sciences	25	47	72	0	3	3	26	9	35	2	0	2	112
Soil Sciences	24	20	44	21	0	21	8	1	9	0	0	0	74
Foods Nutrition and Science and Technology	17	74	91	0	4	4	3	24	27	0	0	0	122
Agriculture, Agricultural Operations and Related Sciences, Other	61	180	241	2	1	3	9	7	16	1	0	1	261
Viticulture & Oenology	3	3	6	2	0	2	14	15	29	0	0	0	37
Botany	3	5	8	0	0	0	1	1	2	0	0	0	10
Microbiology	0	10	10	0	1	1	0	4	4	0	1	1	16
Zoology	1	13	14	1	2	3	4	2	6	0	0	0	23
Genetics	6	31	37	0	0	0	6	11	17	1	1	2	56
Biotechnology	5	7	12	2	9	11	0	0	0	0	0	0	23
Biochemistry and Chemistry	4	12	16	0	0	0	2	6	8	1	0	1	25
Veterinary Science	13	15	28	1	4	5	32	103	135	7	19	26	194
Total	378	742	1120	31	29	60	205	244	449	14	23	37	1666

Table 72 above depicts that Africans dominated the Honours degree graduates produced during the 2024 academic year with 67%, followed by Whites with 27%, Coloureds with 4% and Asians with 2%.

Master's degree graduates by CESM during the 2024 academic year

Table 73 above outlines that a total number of five hundred and sixty (560) graduates were produced at Master's degree level during the 2024 academic year.

Table 73: Demographic breakdown of graduates at Master's degree by CESM in 2024													
CESM Category (Masters)	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Agricultural Business and Management	24	47	71	0	0	0	13	5	18	0	2	2	91
Agricultural Mechanization	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural Production Operations	2	8	10	0	0	0	5	18	23	0	0	0	33
Applied Horticulture and Horticultural Business Services	1	2	3	0	0	0	4	6	10	0	0	0	13
Animal Sciences	13	14	27	1	0	1	8	25	33	0	0	0	61
Plant Sciences	14	24	38	0	3	3	9	8	17	0	0	0	58
Soil Sciences	6	9	15	0	0	0	4	1	5	0	0	0	20
Food Nutrition Science and Technology	7	10	17	0	1	1	1	7	8	1	2	3	29
Agriculture, Agricultural Operations and Related Sciences, Other	41	73	114	0	1	1	5	4	9	0	1	1	125
Viticulture and Oenology	2	3	5	1	2	3	2	3	5	0	1	1	14
Biochemistry and Chemistry	2	6	8	1	0	1	2	0	2	0	0	0	11
Botany	3	6	9	0	0	0	1	0	1	0	0	0	10
Microbiology	0	6	6	1	0	1	3	3	6	0	0	0	13
Zoology	4	3	7	0	0	0	2	2	4	1	0	1	12
Biotechnology	2	10	12	3	5	8	2	1	3	1	0	1	24
Genetics	1	2	3	0	1	1	0	4	4	0	1	1	9
Veterinary Science	6	6	12	0	1	1	12	12	24	0	0	0	37
Total	128	229	357	7	14	21	73	99	172	3	7	10	560

Table 73 above indicates that Africans produced the highest number of Master's degree graduates with 63%, followed by Whites with 31%. Coloureds and Asians constituted 4% and 2% of the total Master's degree graduates produced in 2024.

PhD graduates by CESM at universities during the 2024 academic year

Table 74 below illustrates that a total number of one hundred and forty – seven (147) graduates were produced at PhD level in 2024.

Table 74: Demographic breakdown of graduates at PhD level by CESM in 2024														
CESM (PhD)	Category	African			Coloured			White			Asian			Total
		M	F	T	M	F	T	M	F	T	M	F	T	
Agricultural Business and Management		5	6	11	0	0	0	1	0	1	0	0	0	12
Agricultural Mechanization		1	0	0	0	0	0	0	0	1	0	0	0	1
Agricultural Production Operations		0	0	0	0	0	0	0	0	0	0	0	0	0
Applied Horticulture and Horticultural Business Services		2	1	3	0	0	0	0	1	1	0	1	1	5
Animal Sciences		5	3	8	0	1	1		2	1	3	0	2	
Plant Sciences		6	10	16	0	0	0	4	6	10	0	1	1	27
Soil Sciences		2	2	4	0	0	0	1	1	2	0	0	0	6
Food Nutrition Science and Technology		3	4	7	0	0	0	1	4	5	0	0	0	12
Agriculture, Agricultural Operations and Related Science, Other		13	9	22	1	0	1	5	2	7	0	0	0	30
Viticulture and Oenology		3	0	3	0	0	0	0	1	1	0	0	0	4
Botany		1	2	3	0	0	0	0	0	0	0	0	0	3
Microbiology		0	1	1	0	0	0	1	1	2	0	0	0	3
Zoology		3	1	4	0	1	1	1	0	1	0	0	0	6
Genetics		0	0	0	0	0	0	1	1	2	0	0	0	2
Biotechnology		1	6	7	0	1	1	0	0	0	1	0	1	9
Biochemistry Chemistry		1	0	1	0	1	1	2	0	2	1	0	1	5
Veterinary Science		1	3	4	0	0	0	1	3	4	0	0	0	8
Total		47	48	94	1	4	5	20	21	42	2	4	6	147

Table 74 above illustrates that Agriculture, Agricultural Operations and Related Science, Other dominated the total number of PhD graduates produced during the 2024 academic year with 20%, followed by Plant Science with 18% and Animal Science with 10%. Other CESMs contributed less than 10% of the total PhD graduates produced.

Africans dominated graduates produced at PhD level during the 2024 academic year with 64%, followed by Whites with 29%, Asians with 4% and Coloureds with 3%.

4.4.3.1 Agricultural Business and Management graduates during the 2024 academic year

Eight hundred and ninety - six (896) graduates were produced in this CESM during the 2024 academic year. Table 75 below presents a demographic breakdown of Agricultural Business and Management graduates produced by level of qualification.

Table 75: Demographic breakdown of Agricultural Business and Management graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	152	250	402	3	2	5	40	19	59	1	2	3	469
Honours	96	166	262	1	0	1	48	12	60	0	1	1	324
Master's	24	47	71	0	0	0	13	5	18	0	2	2	91
PhD	5	6	11	0	0	0	1	0	1	0	0	0	12
Total	277	469	746	4	2	6	102	36	138	1	5	6	896

Undergraduate degree level dominated the number of graduates produced in this CESM during the 2024 academic year with 53%, followed by Honours with 36%, Master's with 10% and PhD level with just 1%.

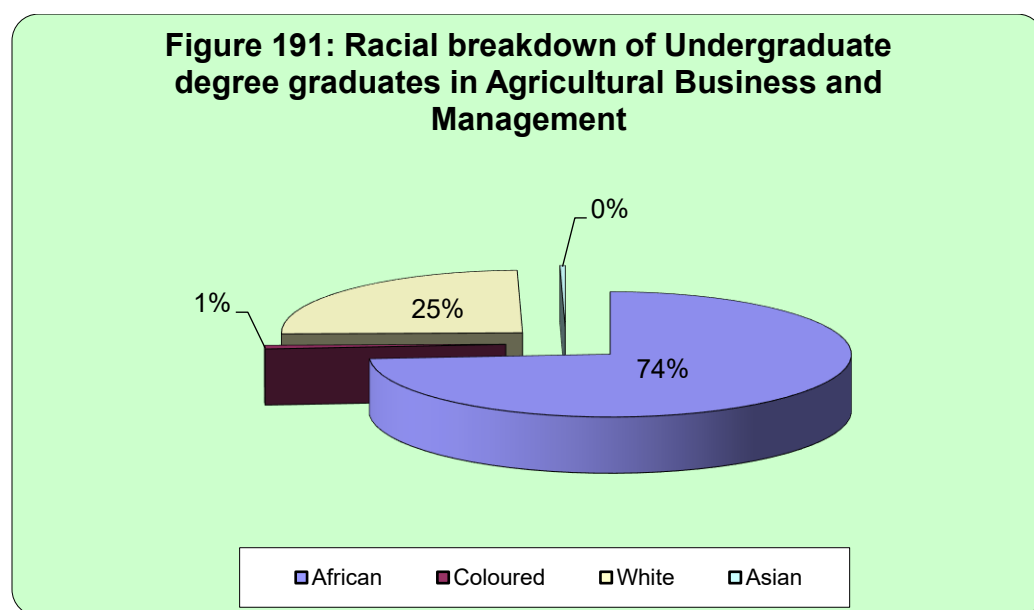


Figure 191 above portrays that Africans dominated graduates in this CESM at Undergraduate degree level with 74%, followed by Whites with 25% and Coloureds with just 1%. Asians contributed less than 1% of the total graduates produced in this CESM at Undergraduate degree level during the 2024 academic year.

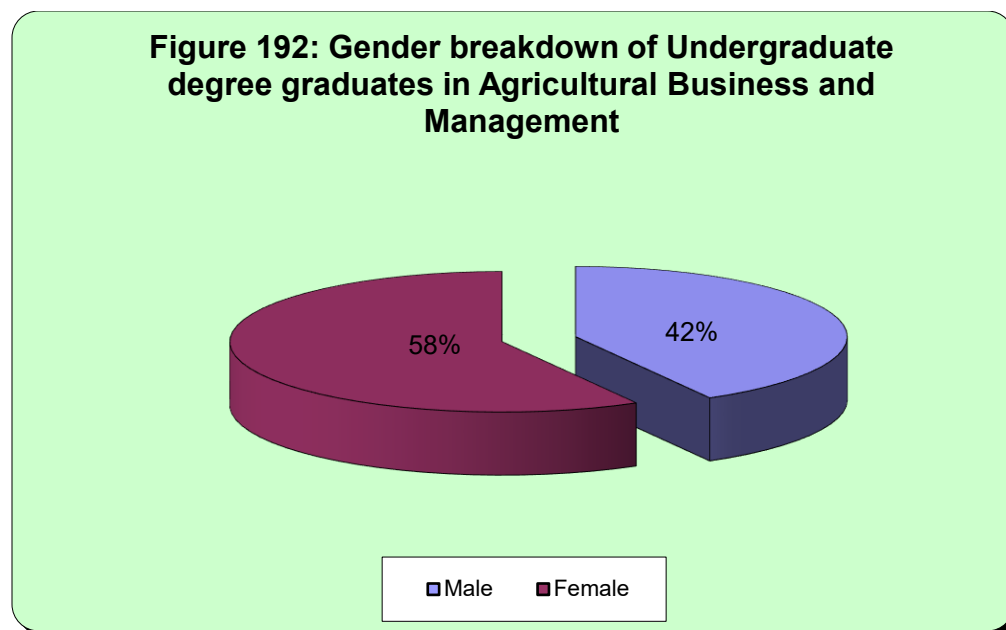


Figure 192 above illustrates that females constituted 58% of the total number of graduates produced in this CESM whilst males contributed 42%.

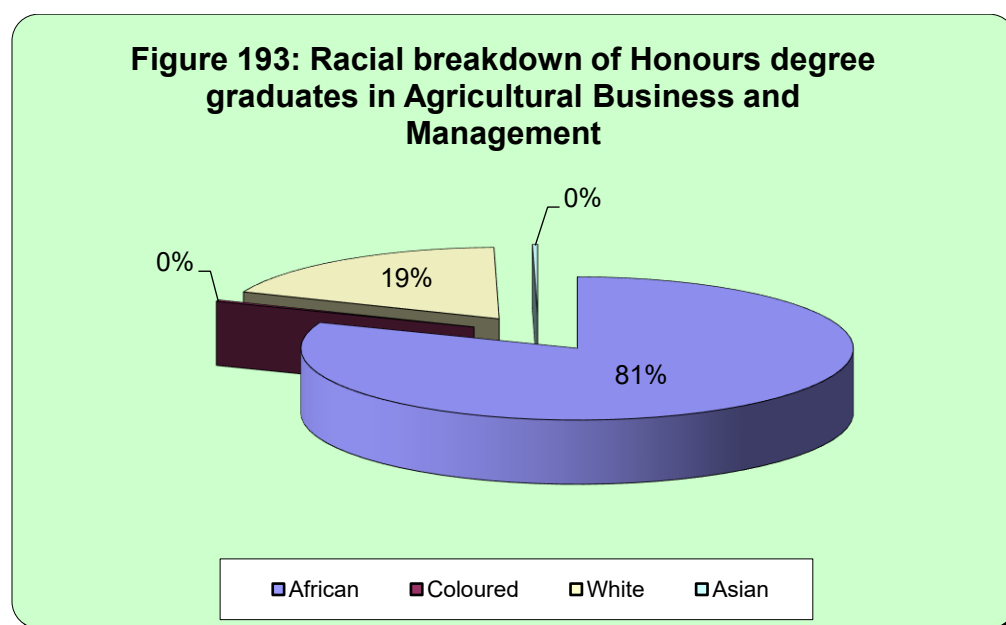


Figure 193 above indicates that Africans dominated graduates in this CESM at this level with 81%, followed by Whites with 19%. Coloureds and Asians contributed less than 1%.

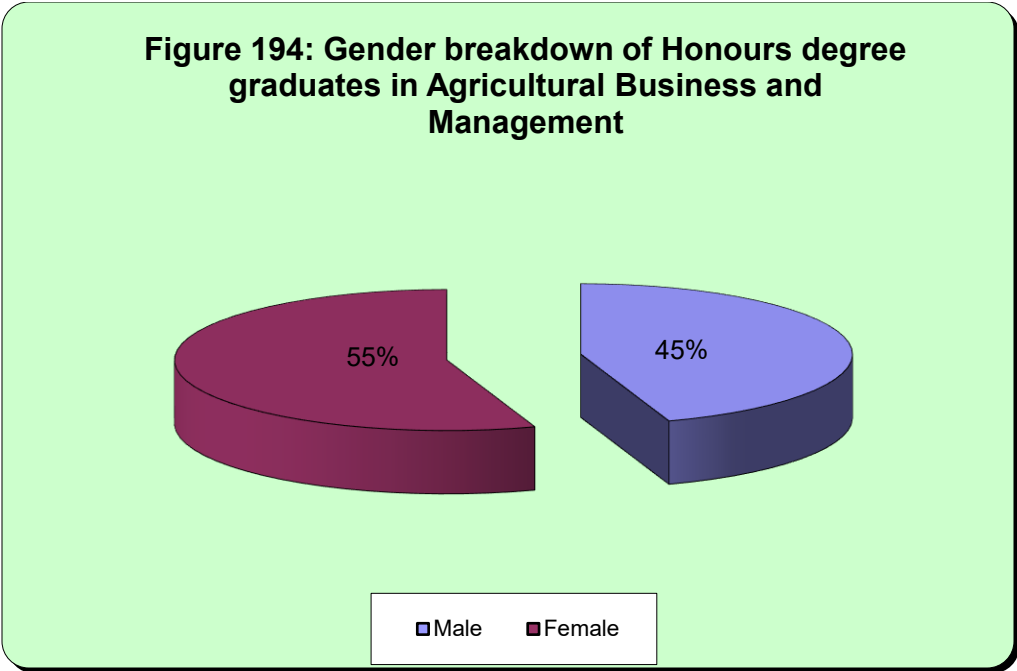


Figure 194 above indicates that females contributed 55% of the Honours degree graduates in this CESM whilst males contributed 45%.

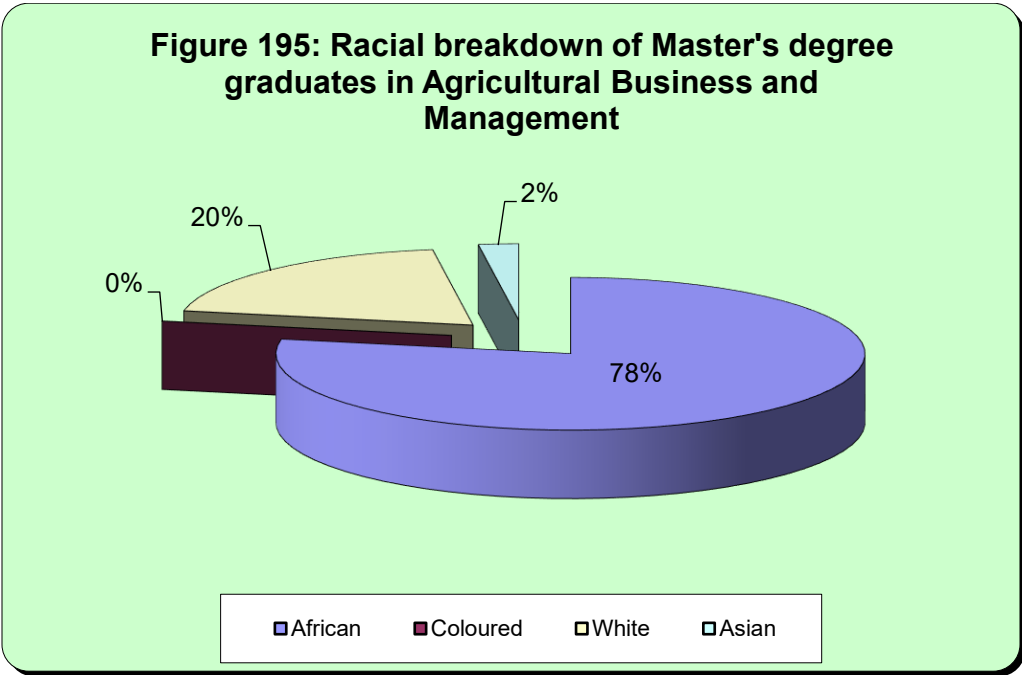
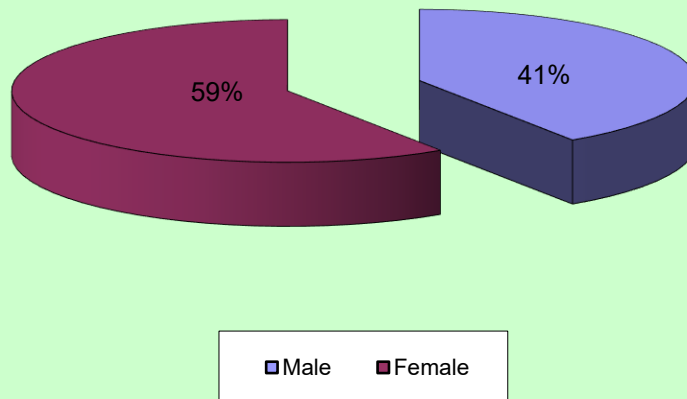


Figure 195 above illustrates that Africans dominated graduates in this CESM at Master's degree level during the 2024 academic year with 78%, followed by Whites with 20% and Asians with 2%. No Coloureds were represented in this CESM at Master's degree level.

Figure 196: Gender breakdown of Master's degree graduates in Agricultural Business and Management



As illustrated in figure 196 above, females dominated graduates in this CESM at Master's degree level with 59% whilst males accounted for 41%.

Twelve (12) graduates were produced in this CESM at PhD level during the 2024 academic year; 5 were African males, 6 African females and 1 was a White male. No Coloureds and Asians were represented in this CESM at PhD level.

4.4.3.2 Agricultural Mechanization graduates during the 2024 academic year

Fourteen (14) graduates were produced in Agricultural Mechanization during the 2024 academic year. Table 76 below presents a demographic breakdown of graduates in Agricultural Mechanization during the 2024 academic year by level of qualification.

Table 76: Demographic breakdown of Agricultural Mechanization graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	1	2	3	0	0	0	0	0	0	2	1	3	6
Honours	1	3	4	0	0	0	2	0	2	1	0	1	7
Masters	0	0	0	0	0	0	0	0	0	0	0	0	0
PhD	0	0	0	0	0	0	0	1	1	0	0	0	1
Total	2	5	7	0	0	0	2	1	3	3	1	4	14

During the 2024 academic year, Honours degree graduates in this CESM constituted 50%, followed by Undergraduate degree graduates with 43% and PhD graduates with 7%. No Master's graduates were produced in this CESM during the 2024 academic year.

Six (6) graduates were produced in this CESM at Undergraduate degree level; 1 was an African male, 2 were African females, 2 Asian males and 1 was an Asian female. No Coloureds and Whites were represented in this CESM at this level in 2024.

Seven (7) graduates were produced in this CESM at Honours degree level; 1 was an African male, 3 were African females, 2 White males and 1 was an Asian female. No Coloureds were represented in this CESM at this level during the 2024 academic year.

No graduates were produced in this CESM at Master’s degree level in 2024.

One (1) White female graduated in this CESM at PhD level during the 2024 academic year. No other racial groups were represented in this CESM at this level.

4.4.3.3 Agricultural Production Operations graduates during the 2024 academic year

Four hundred and six (406) graduates were produced in this CESM in 2024. Table 77 below presents a demographic breakdown of Agricultural Production Operations graduates during the 2024 academic year.

Table 77: Demographic breakdown of Agricultural Production Operations graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduates	56	84	140	1	0	1	48	19	67	1	0	1	209
Honours	66	68	134	1	4	5	18	7	25	0	0	0	164
Master's	2	8	10	0	0	0	5	18	23	0	0	0	33
PhD	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	124	160	284	2	4	6	71	44	115	1	0	1	406

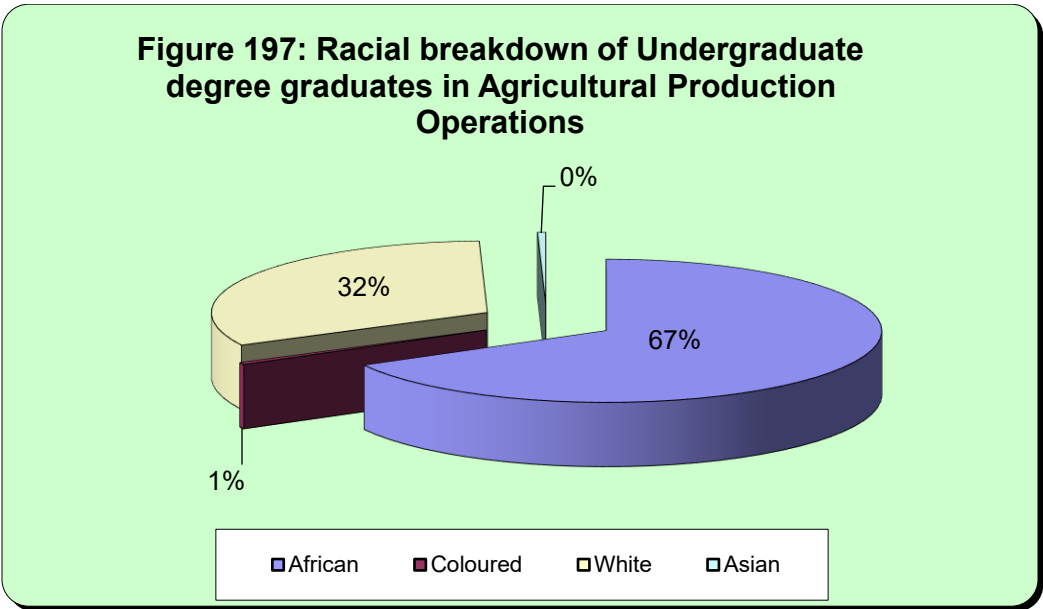


Figure 197 above depicts that Africans were dominant in this CESM at Undergraduate degree level with 67%, followed by Whites with 32%, Coloureds with 1% and Asians with less than 1%.

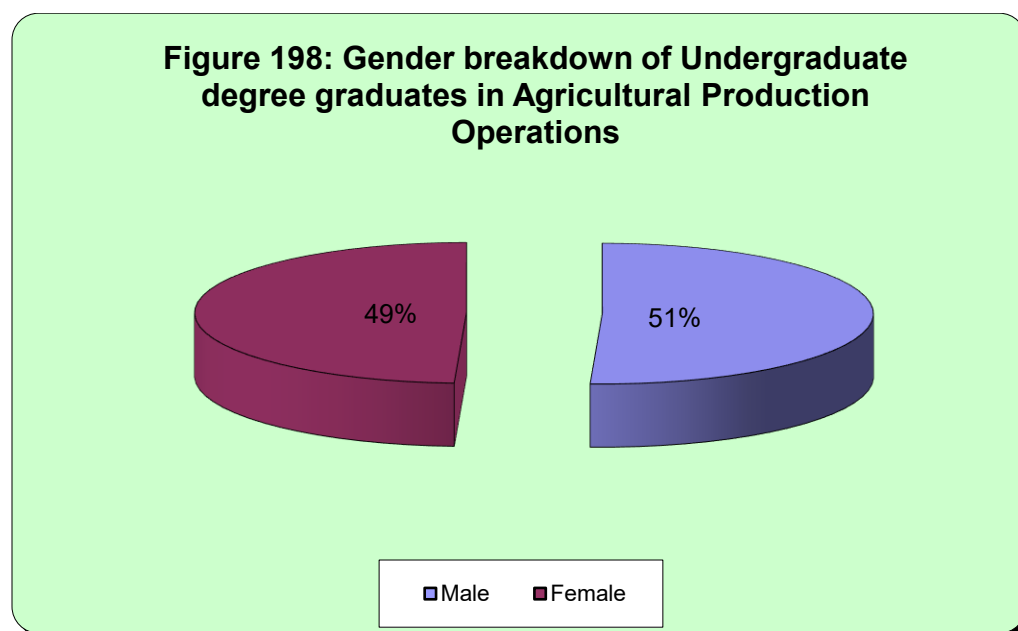


Figure 198 above indicates that males dominated graduates in this CESM at Undergraduate degree level with 51% whilst females accounted for 49%.

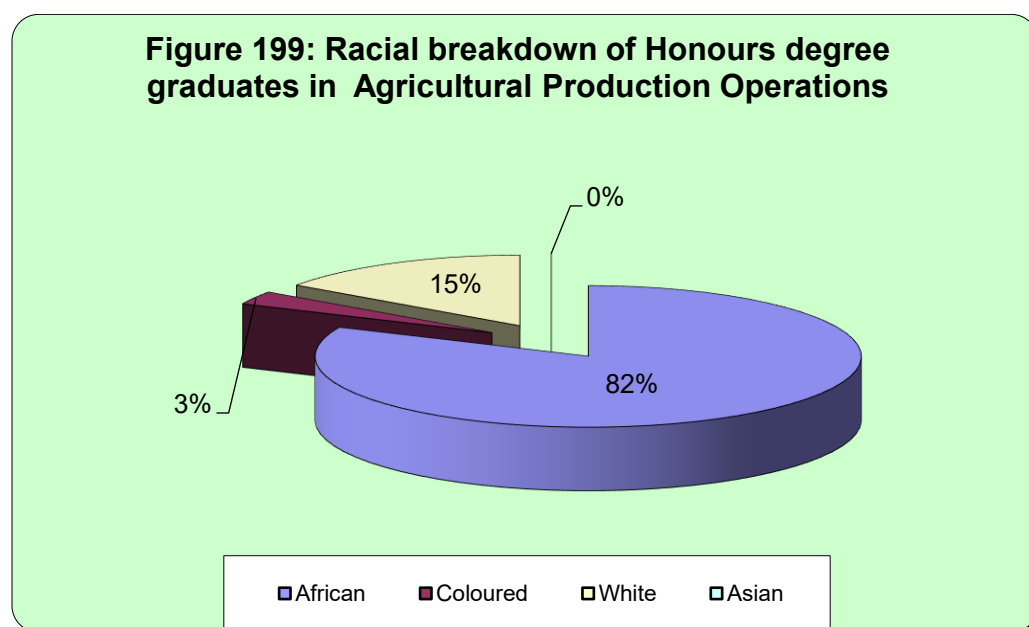


Figure 199 above indicates that Africans dominated graduates in this CESM at Honours degree level with 82%, followed by Whites with 15% and Coloureds with 3%. No Asians were represented in this CESM at Honours degree level in 2024.

Figure 200: Gender breakdown of Honours degree graduates in Agricultural Production Operations

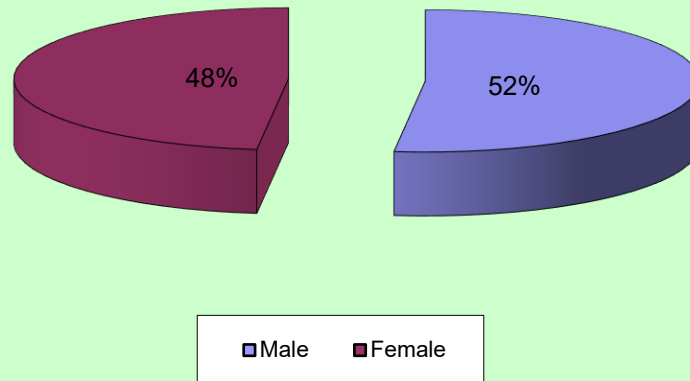


Figure 200 above indicates that males were at majority in this CESM at Honours degree level with 52% whilst females accounted for 48%.

Thirty - three (33) graduates were produced at Master's degree level in this CESM during the 2024 academic year; 2 were African males, 8 African females, 5 White males and 18 White females. No Coloureds and Asians were represented at this level.

No graduates were produced in this CESM in this CESM at PhD level.

4.4.3.3 Applied Horticulture and Horticultural Business Services graduates during the 2024 academic year

Thirty - five (35) graduates were produced in this CESM during the 2024 academic year. Table 78 below presents a demographic breakdown of Applied Horticulture and Horticultural Business Services graduates by level of qualification.

Table 78: Demographic breakdown of Applied Horticulture and Horticulture Business Services graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	0	0	0	0	0	0	0	0	0	0	0	0
Honours	7	10	17	0	0	0	0	0	0	0	0	0	17
Master's	1	2	3	0	0	0	4	6	10	0	0	0	13
PhD	2	1	3	0	0	0	0	1	1	0	1	1	5
Total	10	13	23	0	0	0	4	7	11	0	1	1	35

No graduates were produced in this CESM at Undergraduate degree level in 2024. Table 78 above illustrates that Honours degree graduates accounted for 49%, followed by Master's degree graduates with 37% and PhD graduates with 14%.

Seventeen (17) African graduates were produced at Honours degree level in this CESM during the 2024 academic year; 7 were males and 10 were females. No other racial groups graduated in this CESM at this level.

Thirteen (13) graduates were produced in this CESM at Master's degree level; 1 was an African male, 2 were African females, 4 White males and 6 White females. No Coloureds and Asians were represented in this CESM at this level.

Five (5) graduates were produced in this CESM at PhD level; 2 were African males, 1 was an African female, 1 White female and 1 Asian female. No Coloureds were represented in this CESM at PhD level.

4.4.3.4 Animal Science graduates during the 2024 academic year

Eight hundred and fifty - four (854) graduates were produced in this CESM in 2024.

Table 79: Demographic breakdown of Animal Science graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	145	375	520	1	3	4	21	29	50	2	2	4	578
Honours	46	78	124	0	1	1	32	42	74	1	1	2	201
Master's	13	14	27	1	0	1	8	25	33	0	0	0	61
PhD	5	3	8	0	1	1	2	1	3	0	2	2	14
Total	101	253	352	1	5	6	41	85	126	4	4	8	854

Table 79 above shows that Undergraduate degree graduates in this CESM contributed 67%, followed by Honours level with 24%, Master's degree with 7% and PhD with 2%.

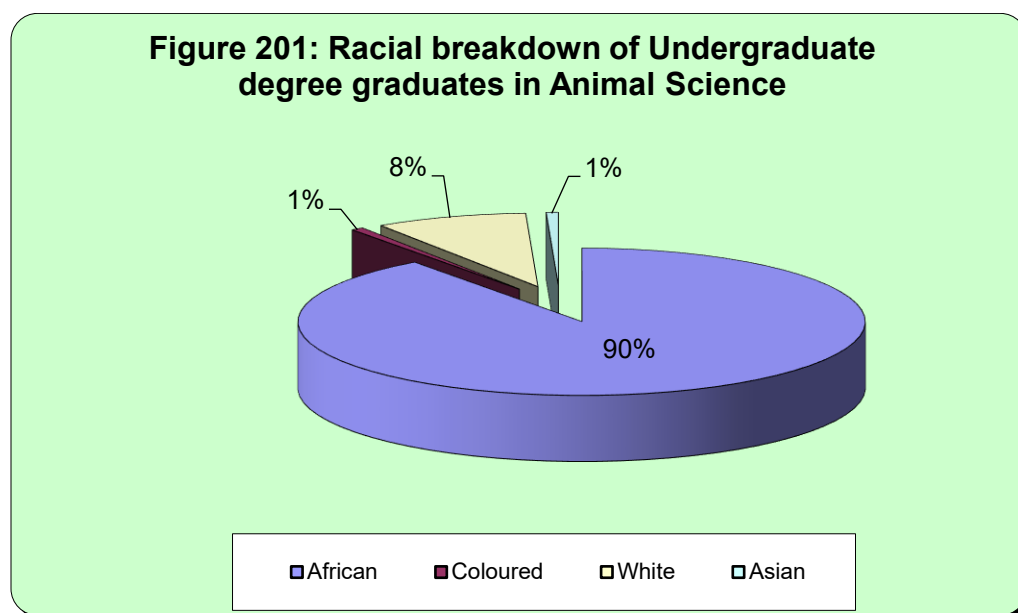


Figure 201 above depicts that Africans dominated graduates in this CESM at Undergraduate degree level with 90%, followed by Whites with 8%, Coloureds and Asians contributed 1% respectively.

Figure 202: Gender breakdown of Undergraduate degree graduates in Animal Science

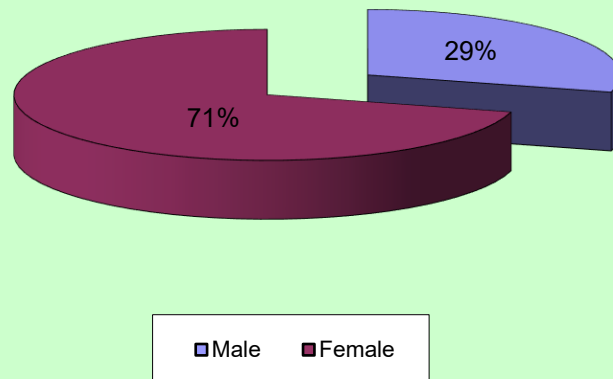


Figure 202 above indicates that females dominated graduates in this CESM at Undergraduate degree level with 71% whilst males accounted for 29%.

Two hundred and one (201) graduates were produced in this CESM at Honours degree level during the 2024 academic year.

Figure 203: Racial breakdown of Honours degree graduates in Animal Science

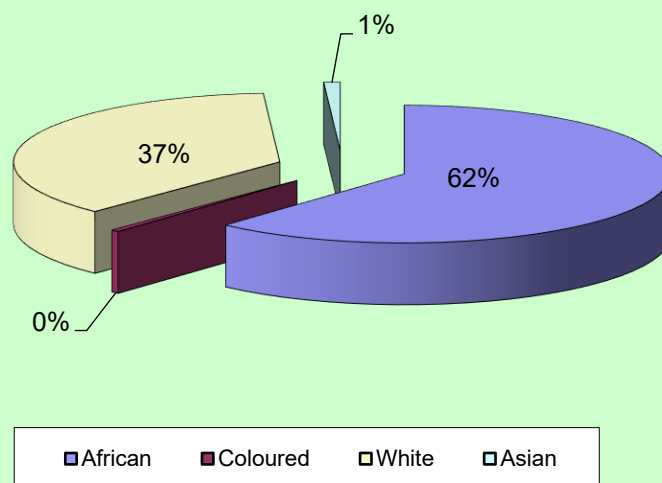
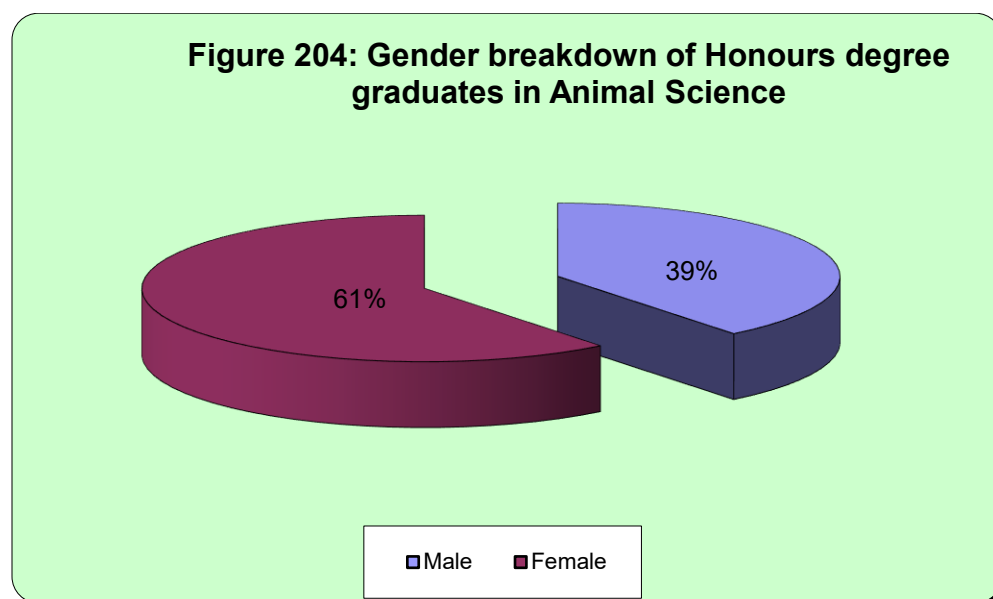


Figure 203 above depicts that Africans constituted 62% in this CESM at this level, followed by Whites with 37% and Asians with 1%. No Coloureds were represented in this CESM at this level during the 2024 academic year.



As illustrated in figure 204 above females were at majority in this CESM at Honours degree level with 61% whilst males accounted for 39%.

Sixty - one (61) graduates were produced at Master's degree in this CESM during the 2024 academic year; 13 were African males, 14 African females, 1 was a Coloured male, 8 were White males and 25 White females. No Asians graduated at this level.

Fourteen (14) graduates were produced at PhD level in this CESM during the 2024 academic year; 5 were African males, 3 African females, 1 was a Coloured female, 2 were White males, 1 was a White female and 2 were Asian females.

4.4.3.5 Plant Science graduates during the 2024 academic year

Two hundred and sixteen (216) graduates were produced in this CESM during the 2024 academic year. Table 80 below presents a demographic breakdown of Plant Science graduates during the 2024 academic year by level of qualification.

Table 80: Demographic breakdown of Plant Science graduates at universities in 2024													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	8	11	19	0	0	0	0	0	0	0	0	0	19
Honours	25	47	72	0	3	3	26	9	35	2	0	2	112
Master's	14	24	38	0	3	3	9	8	17	0	0	0	58
PhD	6	10	16	0	0	0	4	6	10	0	1	1	27
Total	53	92	145	0	6	6	39	23	62	2	1	3	216

During the 2024 academic year Honours degree graduates dominated graduates in this CESM with 52%, followed by Master's with 27%, PhD with 13% and Undergraduate degree graduates with 8%.

Nineteen (19) African graduates were produced in this CESM at Undergraduate degree level; 8 were males and 11 were females. No other racial groups were represented in this CESM at Undergraduate degree level during the 2024 academic year.

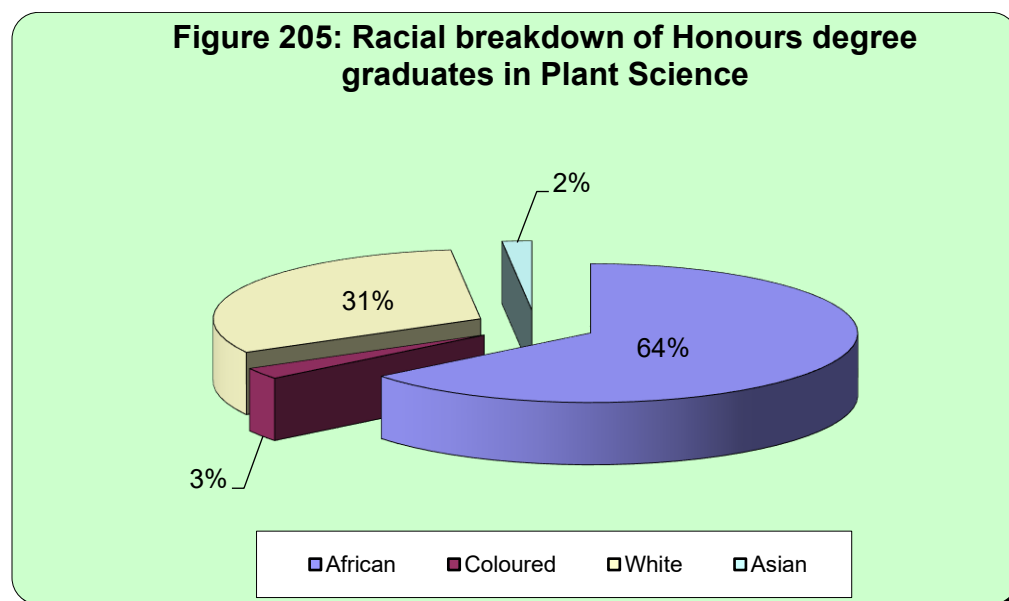


Figure 205 above illustrates that Africans dominated graduates in this CESM at Honours degree level with 64%, followed by Whites with 31%, Coloureds with 3% and Asians with 2%.

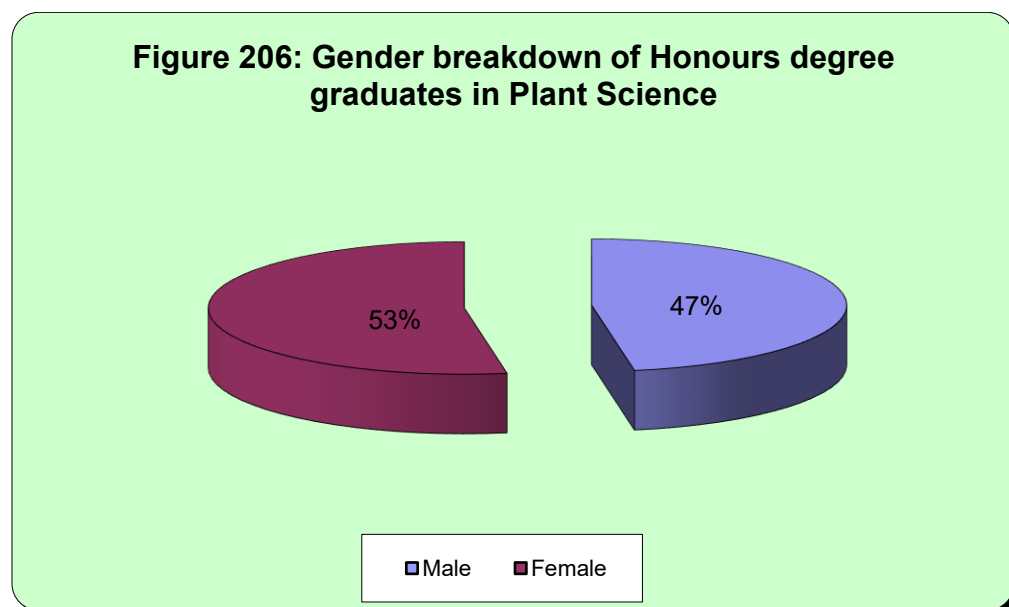


Figure 206 above illustrates that females were dominant in this CESM at Honours degree level with 53% whilst males contributed 47%.

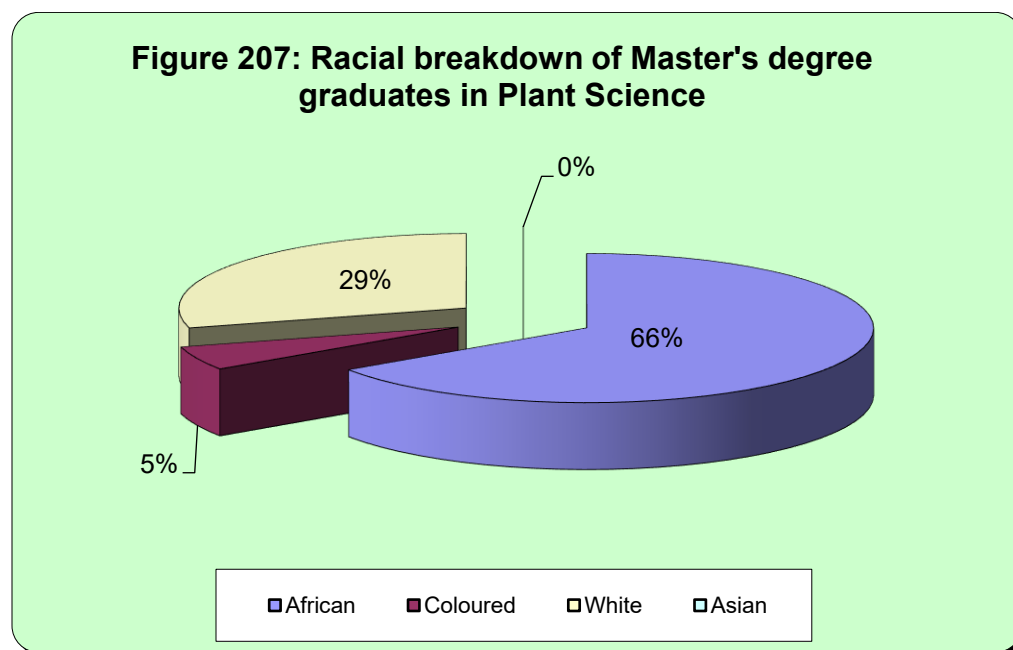
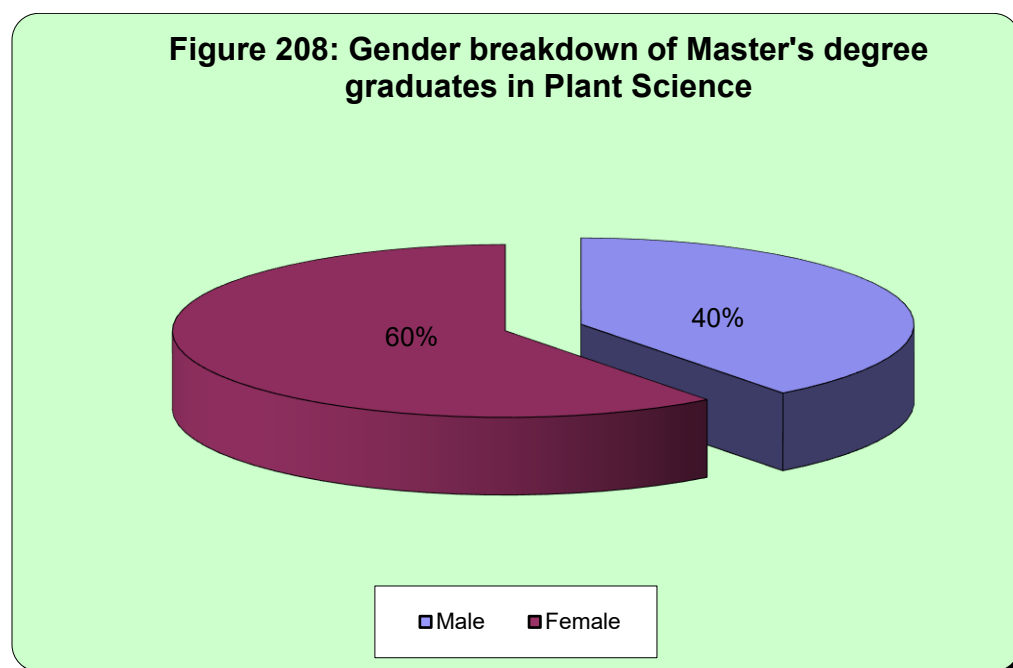


Figure 207 above depicts that Africans were dominant in this CESM at Master's degree level with 66%, followed by Whites with 29% and Coloureds with 5%. No Asians were represented in this CESM at this level during the 2024 academic year.



As illustrated in figure 208 above females accounted for 60% of the overall graduates produced in this CESM whilst males contributed 40%.

Twenty - seven (27) graduates were produced in this CESM at PhD level during the 2024 academic year; 6 were African males, 10 African females, 4 White males, 6 White females and 1 was an Asian female. No Coloured graduates were produced in this CESM at PhD level.

4.4.3.6 Soil Science graduates during the 2024 academic year

One hundred and five (105) graduates were produced in this CESM during the 2024 academic year. Table 81 below presents a demographic breakdown of Soil Science graduates during the 2024 academic year by level of qualification.

Table 81: Demographic breakdown of Soil Science graduates during the 2024 academic year by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	3	2	5	0	0	0	0	0	0	0	0	0	5
Honours	24	20	44	21	0	21	8	1	9	0	0	0	74
Master's	6	9	15	0	0	0	4	1	5	0	0	0	20
PhD	2	2	4	0	0	0	1	1	2	0	0	0	6
Total	35	33	68	21	0	21	13	3	16	0	0	0	105

During the 2024 academic year Honours degree level dominated graduates in this CESM with 70%, followed by Master's degree with 19%, PhD with 6% and Undergraduate degree graduates with 5%.

Five (5) African graduates were produced at Undergraduate degree level in this CESM during the 2024 academic year; 3 were males and 2 were females. No other racial group was represented in this CESM at this level.

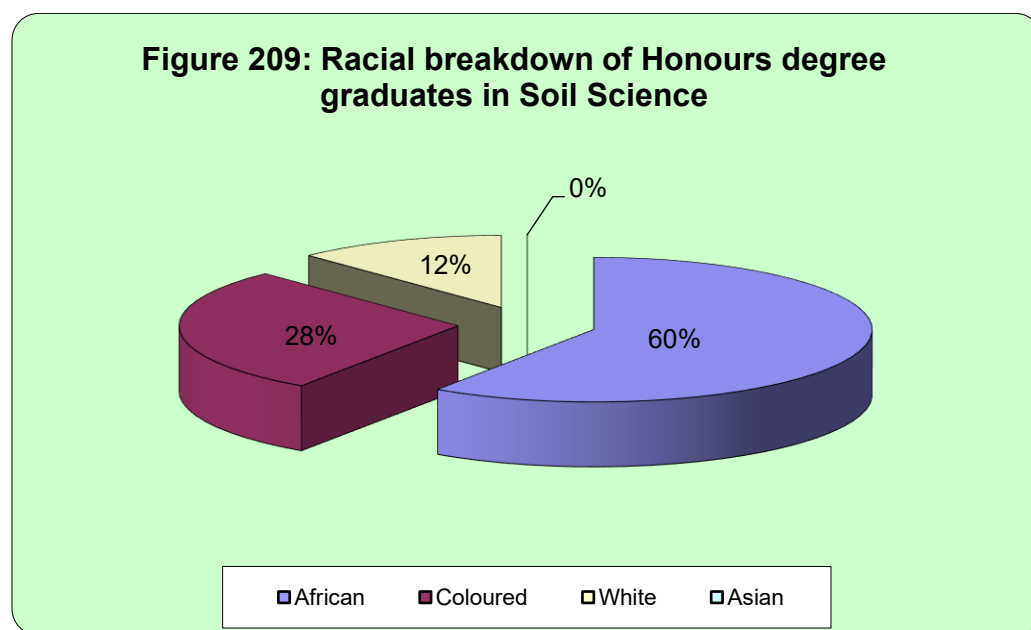


Figure 209 above depicts that Africans were dominant in this CESM at Honours degree level with 60%, followed by Coloureds with 28% and Whites with 12%. No Asians graduated in this CESM at Honours degree level during the 2024 academic year.

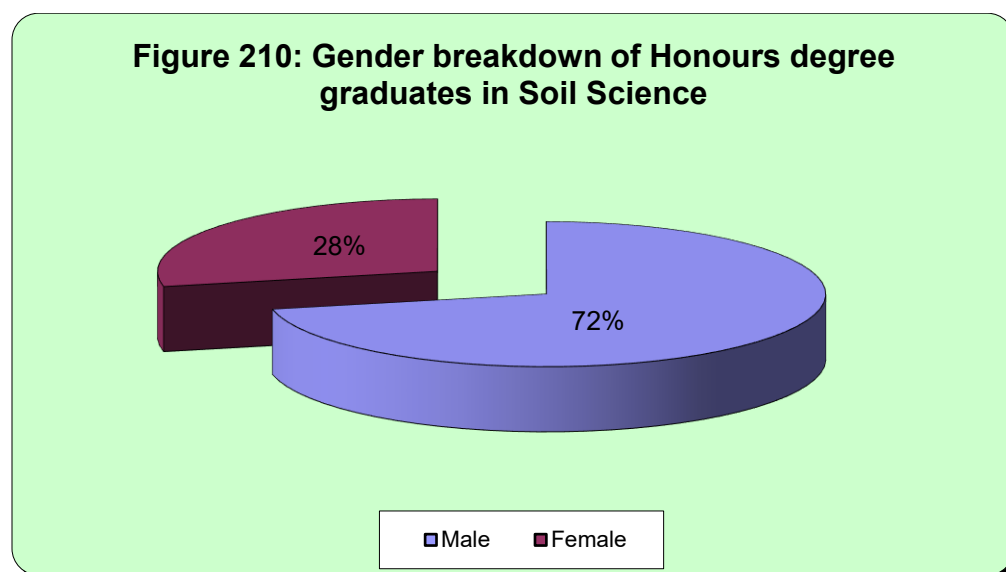


Figure 210 above indicates that males dominated the total number of graduates produced in this CESM at this level with 72% whilst females contributed 28%.

Twenty (20) graduates were produced in this CESM at Master's degree level; 6 were African males, 9 African females, 4 White males and 1 was a White female. No Coloured and Asian graduates were produced in this CESM at Master's degree level.

Six (6) graduates were produced in this CESM at PhD level during the 2024 academic year; 2 were African males, 2 African females, 1 was a White male and White female. No Coloured and Asian graduates were produced in this CESM at this level.

4.3.3.7 Agricultural, Agricultural Operations and Related Science graduates during the 2024 academic year

Six hundred and nineteen (619) graduates were produced in this CESM during the 2024 academic year.

Table 82: Demographic breakdown of Agriculture, Agricultural Operations and Related Science, Other graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	73	109	182	2	1	3	15	3	18	0	0	0	203
Honours	61	180	241	2	1	3	9	7	16	1	0	1	261
Master's	41	73	114	0	1	1	5	4	9	0	1	1	125
PhD	13	9	22	1	0	1	5	2	7	0	0	0	30
Total	188	371	559	5	3	8	34	16	50	1	1	2	619

As illustrated in table 82 above 42% of the graduates in this CESM were produced at Honours degree level, 33% at Undergraduate degree, 20% at Master's degree and 5% at PhD level.

Two hundred and three (203) graduates were produced at Undergraduate degree level in Agriculture, Agricultural Operations and Related Science, Other in 2024.

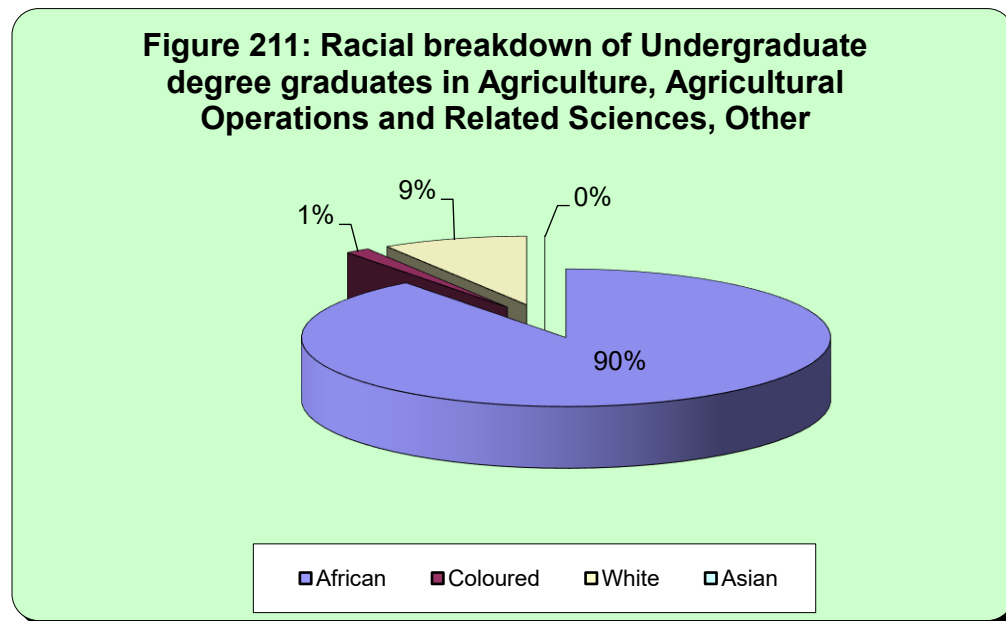


Figure 211 above indicates that Africans dominated the Undergraduate degree graduates in this CESM with 90%, followed by Whites with 9% and Coloureds with 1%. No Asian graduates were produced in this CESM at this level during the 2024 academic year.

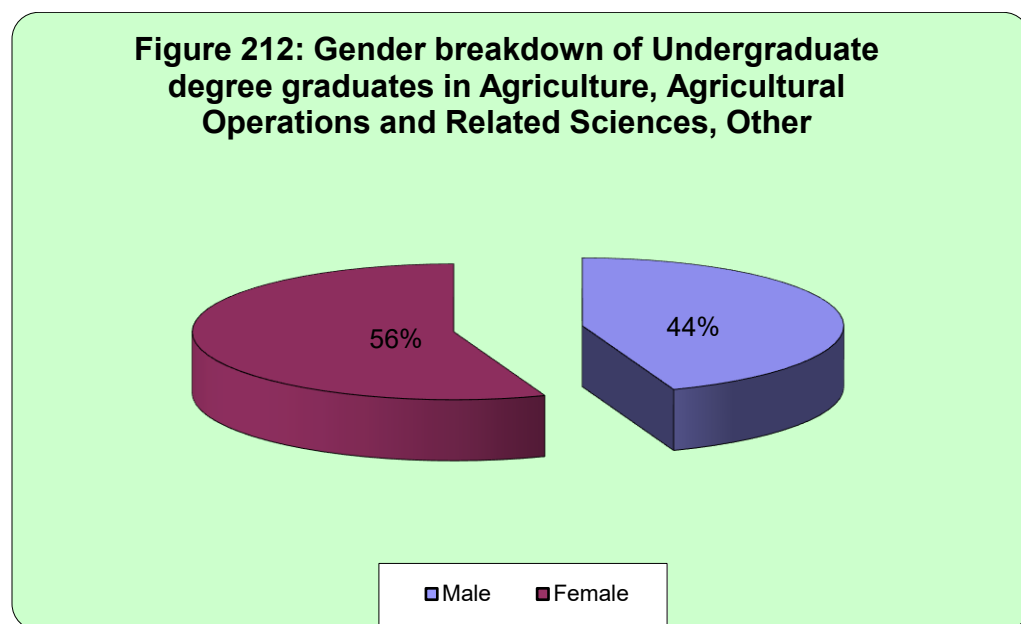


Figure 212 above depicts that females dominated this CESM at Undergraduate degree level with 56% whilst males contributed 44%.

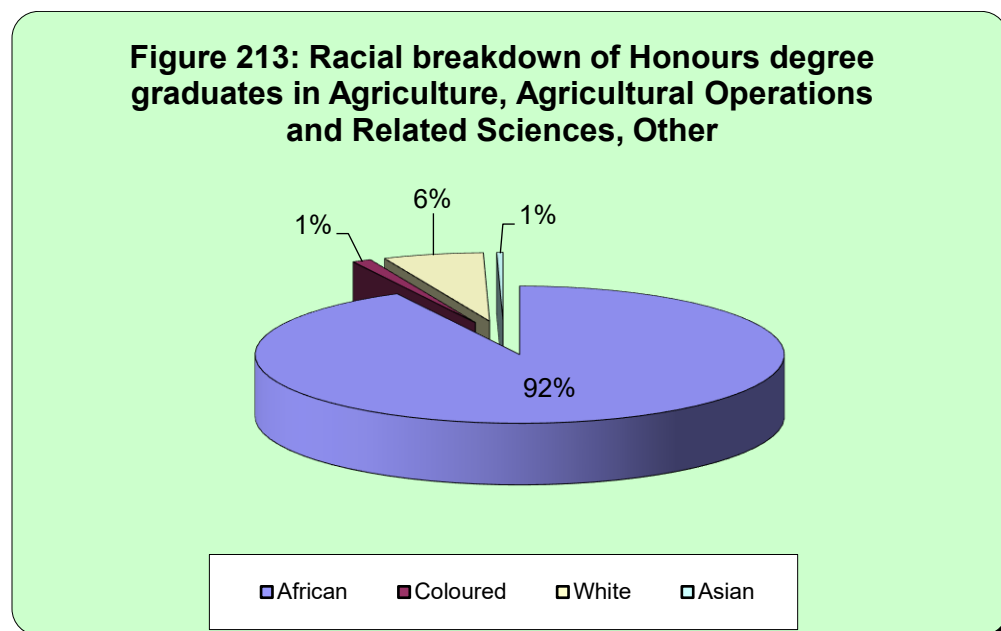


Figure 213 above illustrates that Africans dominated graduates in this CESM at Honours degree level with 92%, followed by Whites with 6%, Coloureds and Asians both contributed 1% of the overall graduates produced in this CESM at this level during the 2024 academic year.

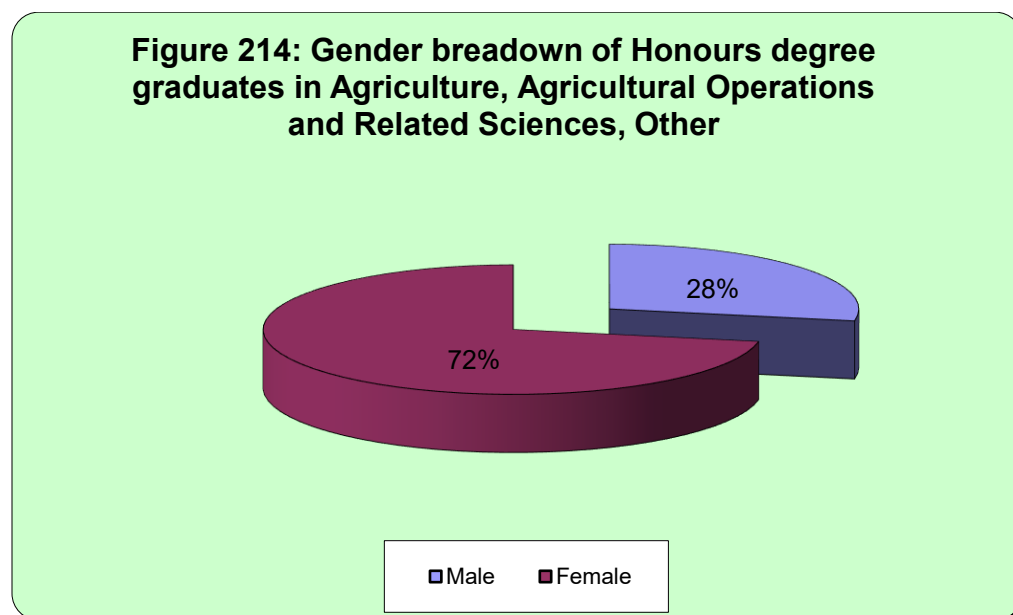
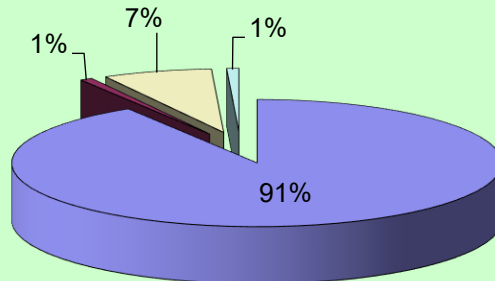


Figure 214 above portrays that females dominated the Honours degree graduates produced in this CESM with 72% whilst males contributed 28%.

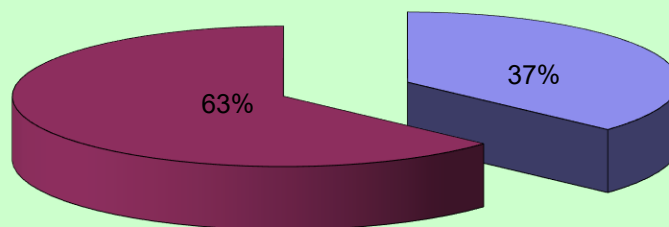
Figure 215: Racial breakdown of Master's degree graduates in Agriculture, Agricultural Operations and Related Sciences, Other



■ African ■ Coloured ■ White ■ Asian

As illustrated in figure 215 above Africans were at majority in this CESM at Master's degree level with 91%, followed by Whites with 7%, Coloureds and Asians contributed 1% respectively.

Figure 216: Gender breakdown of Master's degree graduates in Agriculture, Agricultural Operations and Related Sciences, Other



■ Male ■ Female

Figure 216 above depicts that females accounted for 63% of the Master's degree graduates produced in Agriculture, Agricultural Operations and Related Sciences, Other whilst males contributed 37%.

Figure 217: Racial breakdown of PhD graduates in Agriculture, Agricultural Operations and Related Sciences, Other

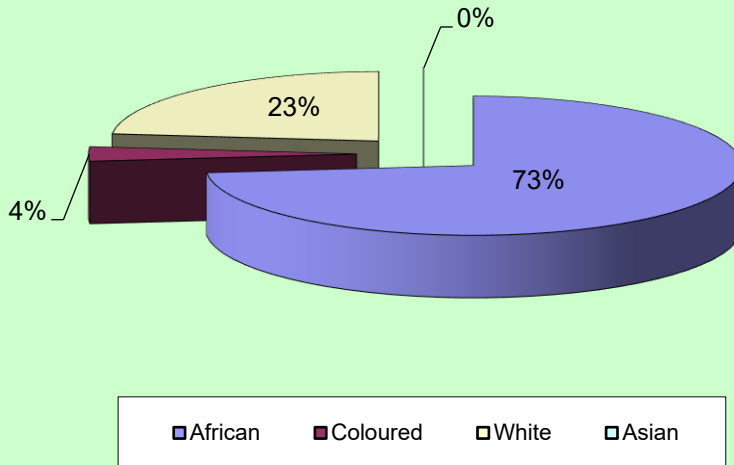


Figure 217 above illustrates that Africans were at majority in this CESM at PhD level with 73%, followed by Whites with 23% and Coloureds with 4%. No Asian graduates were produced in this CESM at PhD level during the 2024 academic year.

Figure 218: Gender breakdown of PhD graduates in Agriculture, Agricultural Operations and Related Sciences, Other

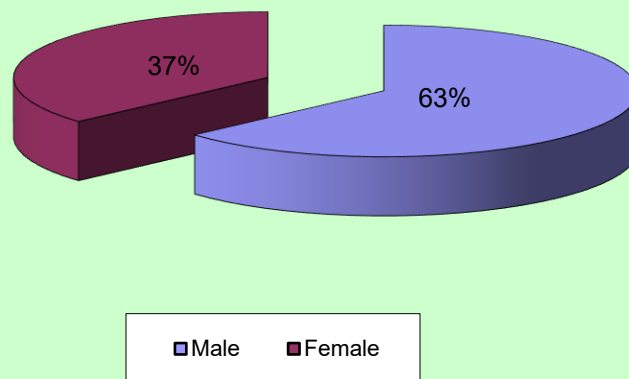


Figure 218 above portrays that male graduates dominated the PhD graduates produced in Agriculture, Agricultural Operations and Related Science, Other with 63% whilst females accounted for 37%.

4.4.3.8 Viticulture and Oenology graduates during the 2024 academic year

A total number of sixty - five (65) graduates were produced in this CESM during the 2024 academic year. Table 83 below presents a demographic breakdown of Viticulture and Oenology graduates by level of qualification.

Table 83: Demographic breakdown of Viticulture and Oenology graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	0	0	3	0	3	5	2	7	0	0	0	10
Honours	3	3	6	2	0	2	14	15	29	0	0	0	37
Masters	2	3	5	1	2	3	2	3	5	0	1	1	14
PhD	3	0	3	0	0	0	0	1	1	0	0	0	4
Total	8	6	14	6	2	8	21	21	42	0	1	1	65

During the 2024 academic year Viticulture and Oenology graduates were dominated by Honours degree graduates with 57%, followed by Master's level with 22%, Undergraduate degree with 15% and PhD graduates with 6%.

Ten (10) graduates were produced in this CESM at Undergraduate degree level during the 2024 academic year; 3 were Coloured males, 5 White males and 2 White females. No Africans and Asians were represented in this CESM at this level during the 2024 academic year.

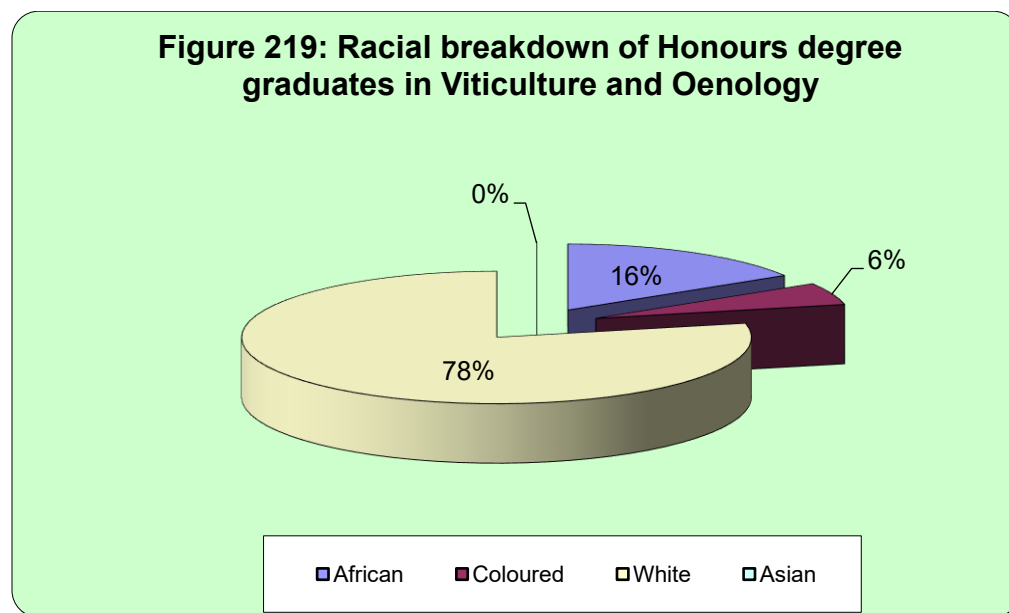


Figure 219 above indicates that Whites were at majority in this CESM at Honours degree level with 78%, followed by Africans with 16% and Coloureds with 6%. No

Asians graduated in this CESM at Honours degree level during the 2024 academic year.

Figure 220: Gender breakdown of Honours degree graduates in Viticulture and Oenology

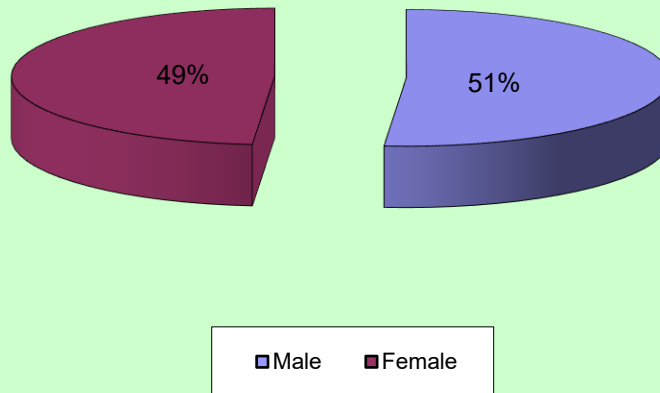


Figure 220 above portrays that male graduates dominated the Honours degree graduates in Viticulture and Oenology with 51% whilst females accounted for 49%.

Figure 221: Racial breakdown of Master's degree graduates in Viticulture and Oenology

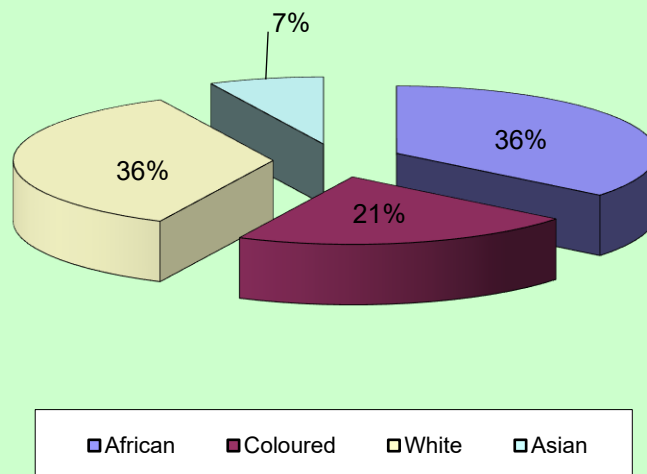


Figure 221 above shows that both Africans and Whites contributed 36% each of the Master's degree graduates produced in this CESM during the 2024 academic year, followed by Coloureds with 21% and Asians with 7%.

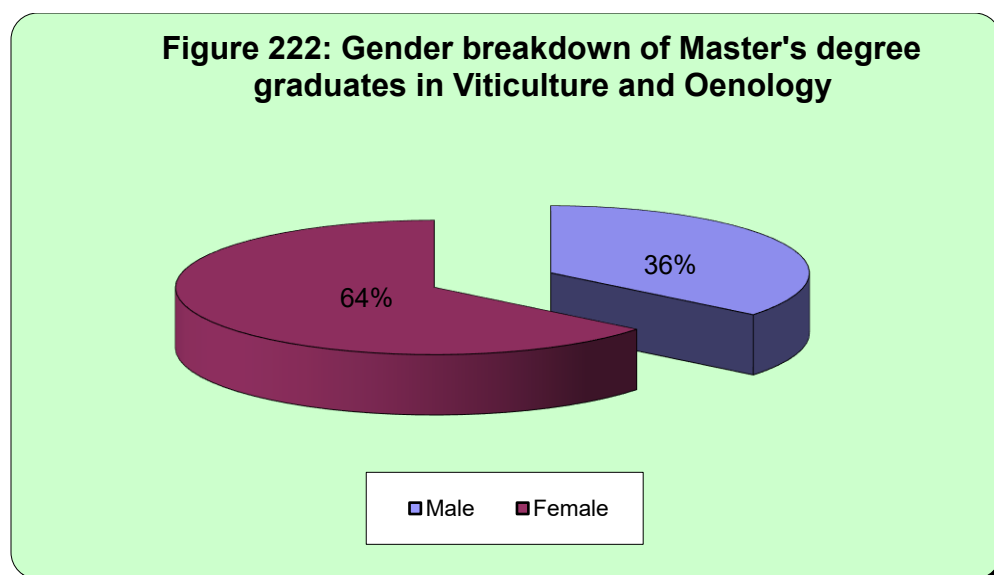


Figure 222 above indicates that females dominated the Master's degree graduates in this CESM with 64% whilst males accounted for 36%.

Four (4) graduates were produced in this CESM at PhD level during the 2024 academic year; 3 were African males and 1 was a White female. No Coloureds and Asians were represented in this CESM at this level.

4.4.3.9 Food Nutrition Science and Technology graduates during the 2024 academic year

One hundred and sixty - three (163) graduates were produced in this CESM during the 2024 academic year. Table 84 below presents a demographic breakdown of Food Nutrition Science and Technology graduates during the 2024 academic year by level of qualification.

Table 84: Demographic breakdown of Food Nutrition Science and Technology graduates at universities in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	0	0	0	0	0	0	0	0	0	0	0	0
Honour's	17	74	91	0	4	4	3	24	27	0	0	0	122
Master's	7	10	17	0	1	1	1	7	8	1	2	3	29
PhD	3	4	7	0	0	0	1	4	5	0	0	0	12
Total	27	88	115	0	5	5	5	35	40	1	2	3	163

Table 84 above illustrates that 75% of the graduates in this CESM were produced at Honours degree level, 18% at Master's degree and 7% at PhD level. No graduates were produced in this CESM at Undergraduate degree level during the 2024 academic year.

Figure 223: Racial breakdown of Honours degree graduates in Food Nutrition Science and Technology

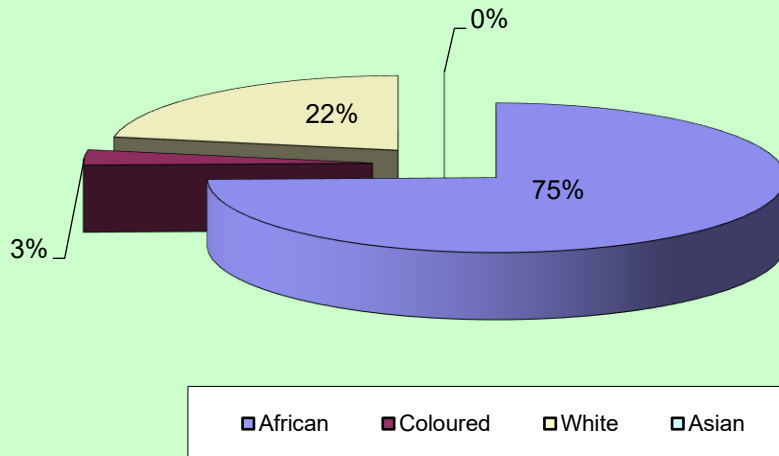


Figure 223 above illustrates that Africans dominated the number of graduates produced in this CESM at Honours degree level with 75%, followed by Whites with 22% and Coloureds with 3%. No Asians were represented in this CESM at this level during the 2024 academic year.

Figure 224: Gender breakdown of Honours degree graduates in Food Nutrition Science and Technology

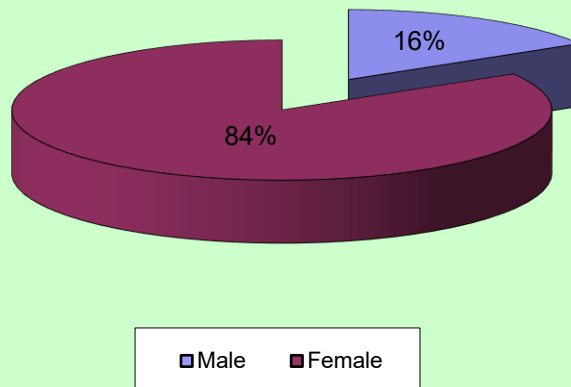


Figure 224 above indicates that females dominated the Honours degree graduates in this CESM with 84% whilst males accounted for 16%.

Figure 225: Racial breakdown of Master's degree graduates in Food Nutrition Science and Technology

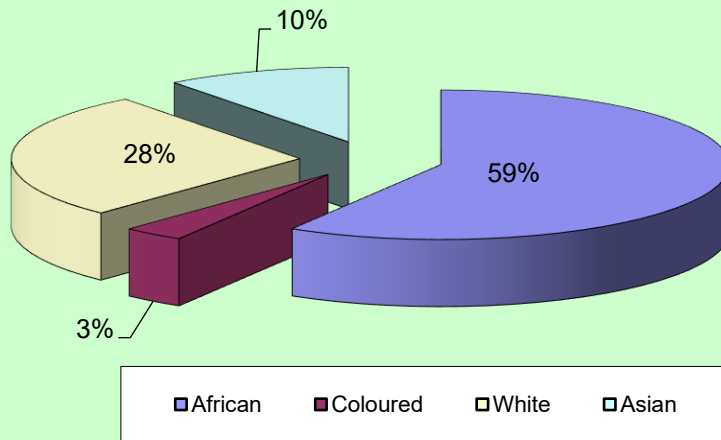


Figure 225 above indicates that Master's degree graduates in this CESM were dominated by Africans with 59% followed by Whites with 28%, Asians with 10% and Coloureds with 3%.

Figure 226: Gender breakdown of Master's degree graduates in Food Nutrition Science and Technology

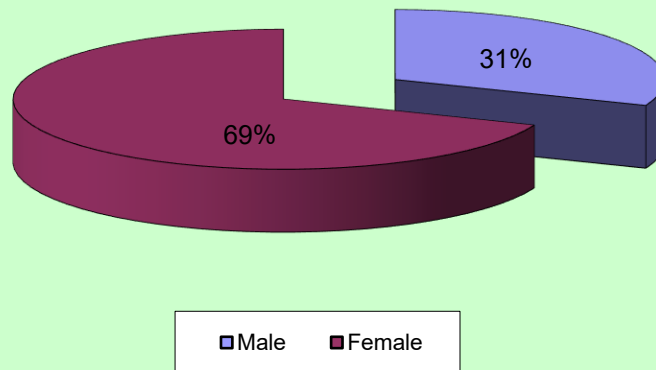


Figure 226 above illustrates that females dominated the Master's degree graduates in this CESM with 69% whilst males accounted for 31%.

Twelve (12) graduates were produced in this CESM at PhD level during the 2024 academic year; 3 were African males, 4 African females, 1 was a White male and 4 were White females. No Coloureds and Asians were represented in this CESM at this level.

4.4.3.10 Botany graduates during the 2024 academic year

Seventy - four (74) graduates were produced in this CESM during the 2024 academic year. Table 85 below presents a demographic breakdown of Botany graduates during the 2024 academic year by level of qualification.

Table 85: Demographic breakdown of Botany graduates during the 2024 academic year by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	15	30	45	0	1	1	3	1	4	0	1	1	51
Honour's	3	5	8	0	0	0	1	1	2	0	0	0	10
Master's	3	6	9	0	0	0	1	0	1	0	0	0	10
PhD	1	2	3	0	0	0	0	0	0	0	0	0	3
Total	22	43	65	0	1	1	5	2	7	0	1	1	74

During the 2024 academic year, graduates in this CESM were dominated by Undergraduate level with 68%, both Honours and Master's contributed 14% each and PhD graduates accounted for 4% of the total number of graduates produced in this CESM.

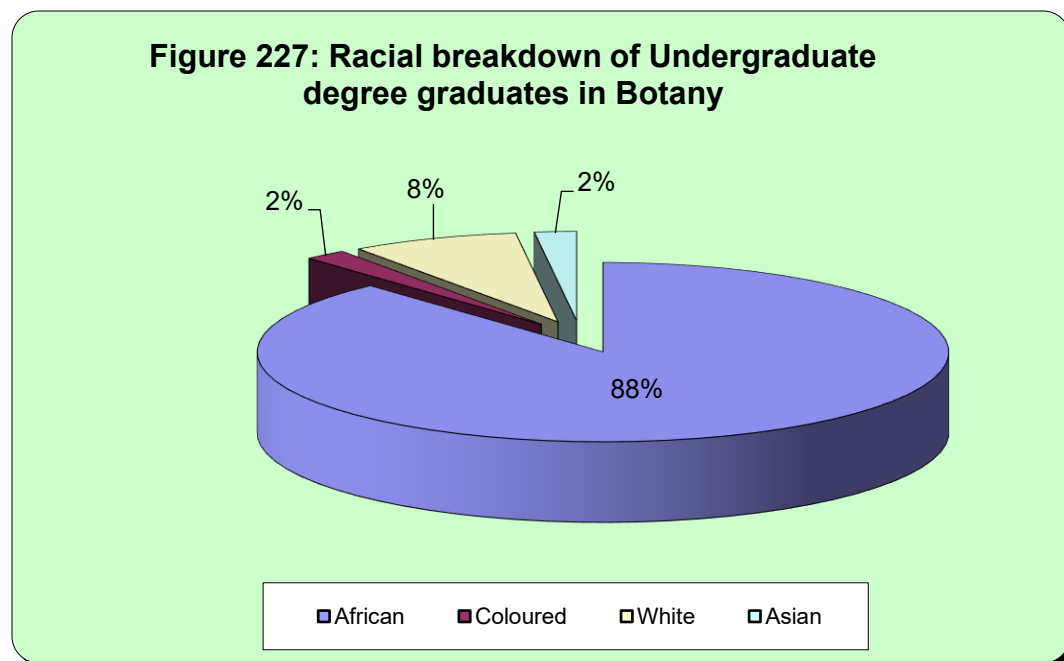


Figure 227 above indicates that Africans were at majority in this CESM at Undergraduate degree level with 88%, followed by Whites with 8%, Coloureds and Asians accounted for 2% respectively.

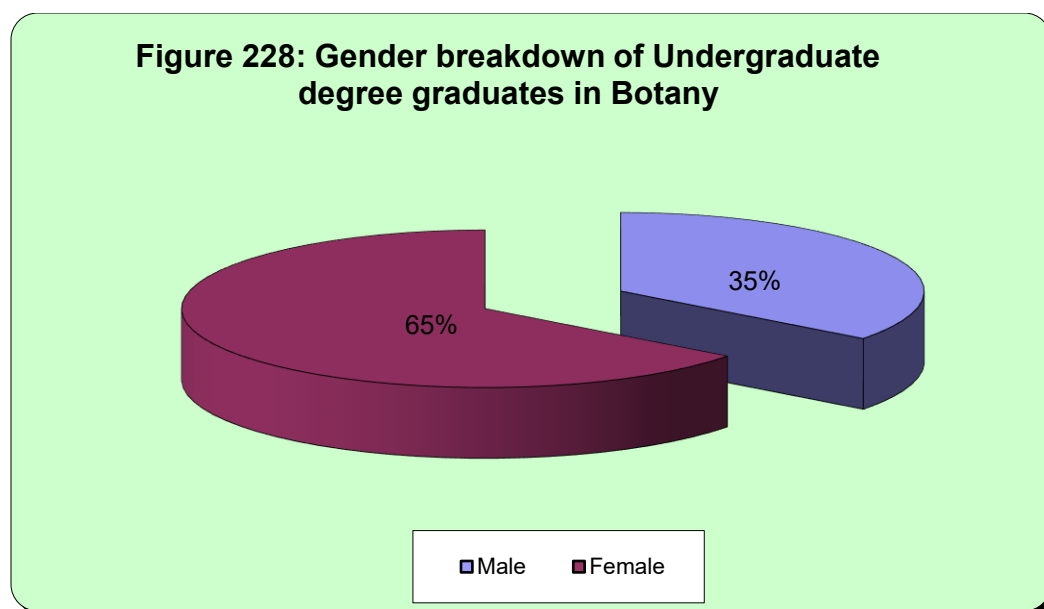


Figure 228 above illustrates that females dominated the Undergraduate degree graduates in Botany with 65% whilst males accounted for 35%.

Ten (10) graduates were produced in this CESM at Honours degree level; 3 were African males, 5 African females, 1 was a White male and female. No Coloureds and Asians were represented in this CESM at Honours degree level.

Ten (10) graduates were produced in this CESM at Master's degree level during the 2024 academic year; 3 were African males, 6 African females and 1 was a White male. No Coloureds and Asians were represented in this CESM at this level.

Three (3) Africans graduated in this CESM at PhD level, 1 was a male and 2 were females. No other racial groups were represented in this CESM at this level.

4.4.3.11 Microbiological Science graduates during the 2024 academic year

One hundred and forty - three (143) graduates were produced in this CESM during the 2024 academic year. Table 86 below presents a demographic breakdown of Microbiology graduates during the 2024 academic year by level of qualification.

Table 86: Demographic breakdown of Microbiological Science graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	33	70	103	0	5	5	0	1	1	1	1	2	111
Honours	0	10	10	0	1	1	0	4	4	0	1	1	16
Master's	0	6	6	1	0	1	3	3	6	0	0	0	13
PhD	0	1	1	0	0	0	1	1	2	0	0	0	3
Total	33	87	120	1	6	7	4	9	13	1	2	3	143

During the 2024 academic year Undergraduate degree level dominated the number of graduates produced in this CESM with 78%, followed by Honours with 11%, Master's with 9% and PhD with 2%.

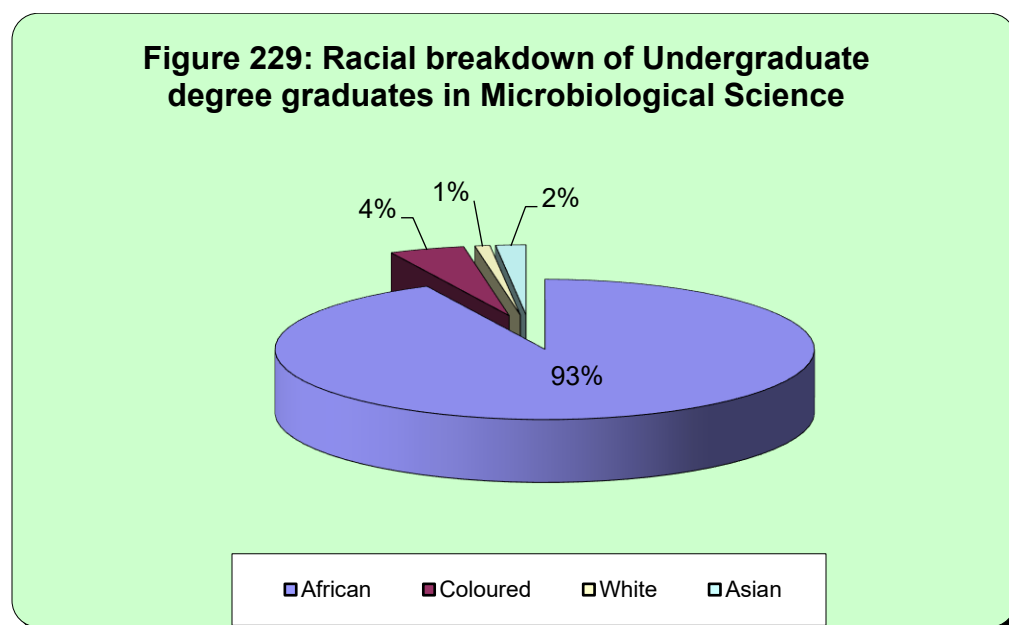


Figure 229 above illustrates that Africans dominated Microbiology graduates produced at Undergraduate degree level with 93%, followed by Coloureds with 4%, Asians with 2% and Whites with 1%.

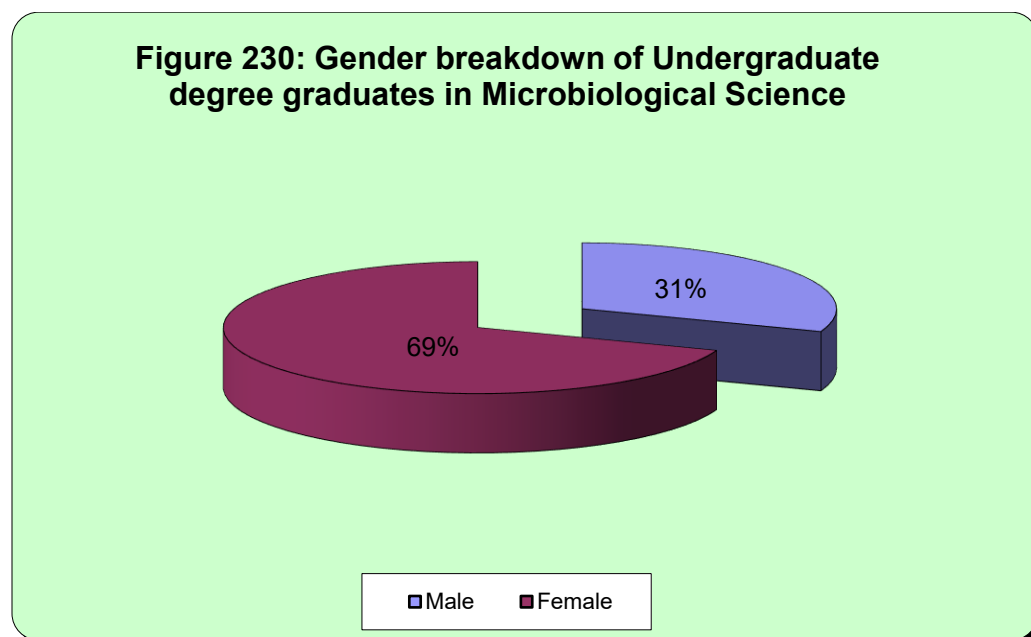


Figure 230 above illustrates that females dominated graduates produced in this CESM at Undergraduate degree level with 69% whilst males accounted for 31%.

Sixteen (16) graduates were produced in this CESM at this level; 10 were African females, 1 was a Coloured female, 4 were White females and 1 was an Asian female.

Thirteen (13) graduates were produced in this CESM at this level; 6 were African females, 1 was a Coloured male, 3 White males and 3 White females. No Asians were represented in this CESM at this level during the 2024 academic year.

Three (3) graduates were produced in this CESM at PhD level during the 2024 academic year; 1 was an African female, 1 White male and 1 White female. No Coloureds and Asians were represented in this CESM at this level.

4.4.3.12 Genetics graduates during the 2024 academic year

Sixty - seven (67) graduates were produced in this CESM during the 2024 academic year. Table 87 below presents a demographic breakdown of Genetics graduates during the 2024 academic year by level of qualification.

Table 87: Demographic breakdown of Genetics graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	0	0	0	0	0	0	0	0	0	0	0	0
Honours	6	31	37	0	0	0	6	11	17	1	1	2	56
Masters	1	2	3	0	1	1	0	4	4	0	1	1	9
PhD	0	0	0	0	0	0	1	1	2	0	0	0	2
Total	7	33	40	0	1	1	7	16	23	1	2	3	67

During the 2024 academic year Honours degree graduates dominated the number of graduates produced in this CESM with 84%, Master's with 13% and PhD with 3%. No graduates were produced in this CESM at Undergraduate degree level in 2024.

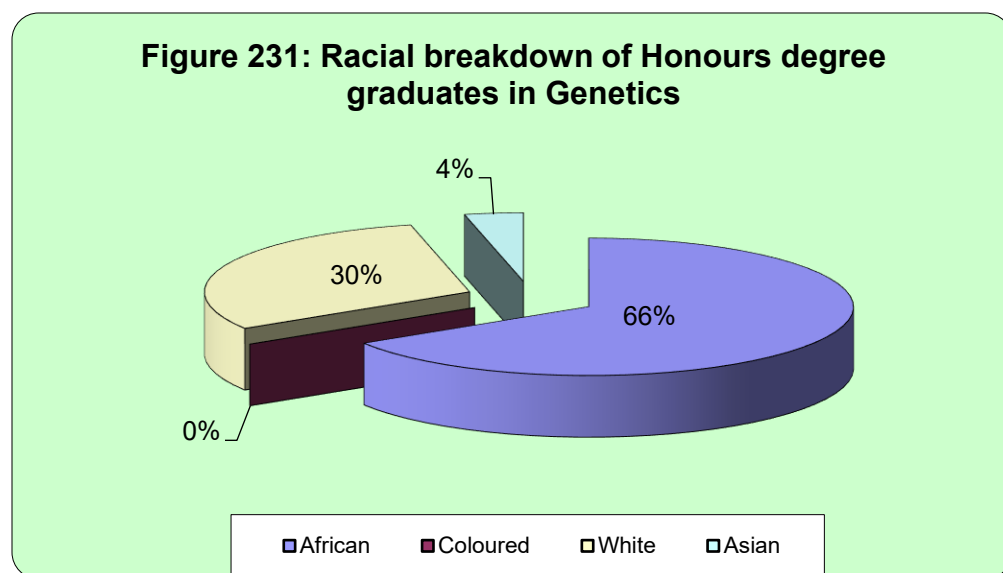
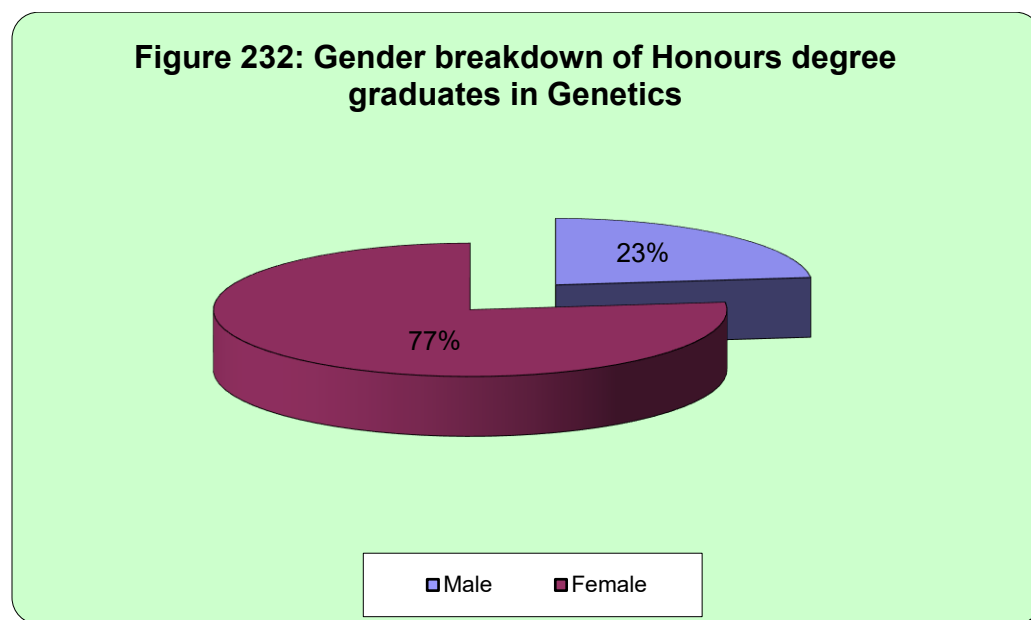


Figure 231 above depicts that Africans dominated graduates at Honours degree level during the 2024 academic year with 66%, followed by Whites with 30% and Asians with 4%. No Coloured graduates were produced in this CESM at this level.



Gender breakdown in figure 232 above depicts that females dominated graduates in this CESM at Honours degree level with 77% whilst males contributed 23%.

Nine (9) students graduated in this CESM at Master's level; 1 was an African male, 2 African females, 1 was a Coloured female, 4 White females and 1 was an Asian female.

Two (2) White graduates were produced in this CESM at PhD level, 1 was a male and 1 was a female. No other racial groups were represented in this CESM at PhD level.

4.4.3.13 Agricultural Biotechnology graduates during the 2024 academic year

Fifty – seven (57) graduates were produced in this CESM during the 2024 academic year. Table 88 below presents a demographic breakdown of Agricultural Biotechnology graduates during the 2024 academic year by level of qualification.

Table 88: Demographic breakdown of Agricultural Biotechnology during the 2024 academic year by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	1	1	0	0	0	0	0	0	0	0	0	1
Honours	5	7	12	2	9	11	0	0	0	0	0	0	23
Master's	2	10	12	3	5	8	2	1	3	1	0	1	24
PhD	1	6	7	0	1	1	0	0	0	1	0	1	9
Total	8	24	32	5	15	20	2	1	3	2	0	2	57

During the 2024 academic year, Master's degree level dominated the number of graduates produced in Agricultural Biotechnology with 42%, followed by Honours with 40%, PhD with 16% and Undergraduate degree with 2%.

One (1) African female graduated in this CESM at Undergraduate degree level. No other racial groups were represented in this CESM at this level during the 2024 academic year.

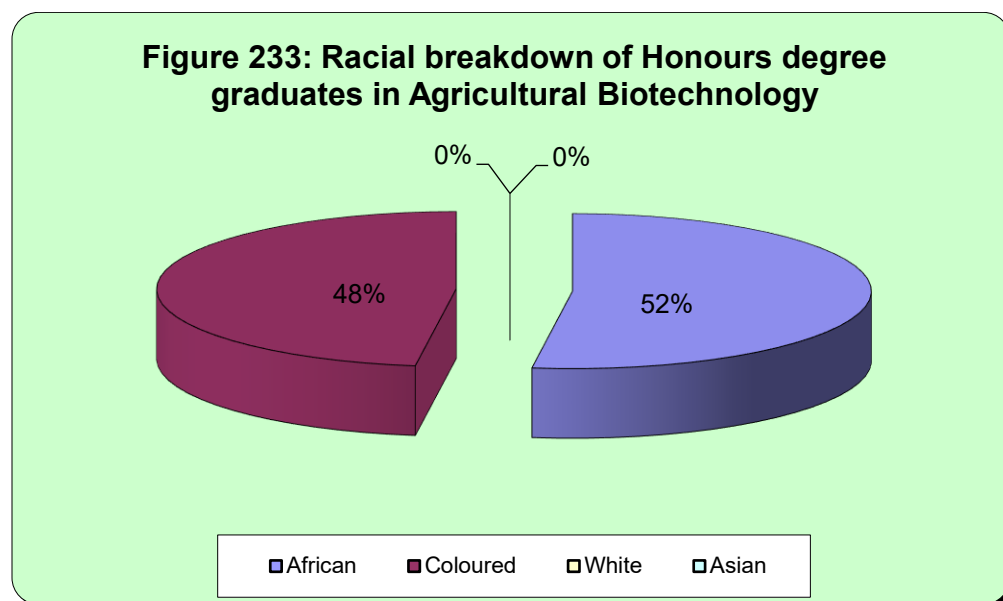


Figure 233 above shows that Africans accounted for 52% of the Honours degree graduates produced in this CESM in 2024, followed by Coloureds with 48%. No Whites and Asians were represented in this CESM at this level.

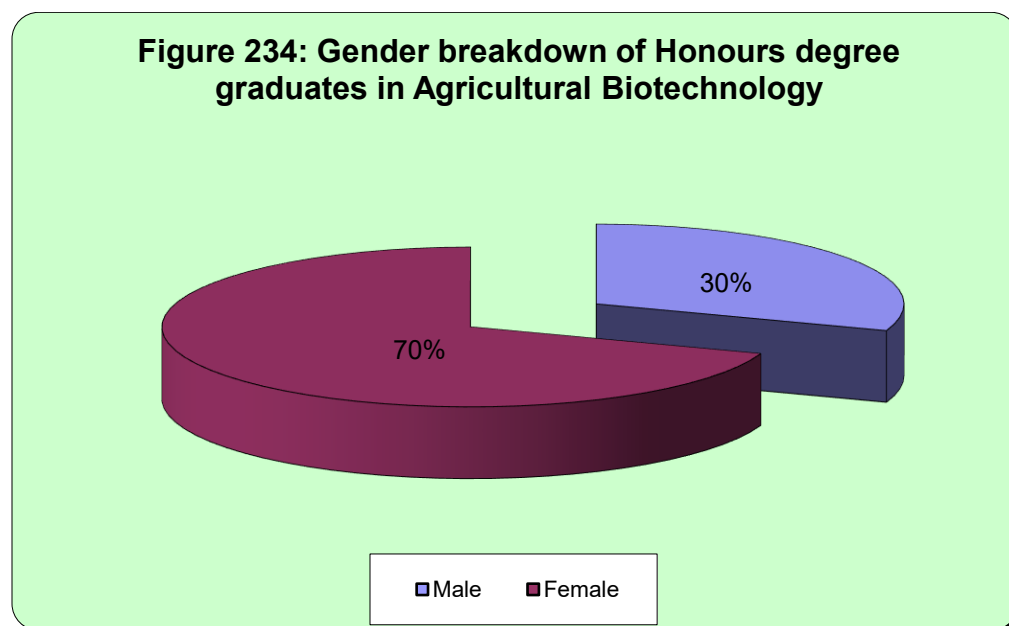


Figure 234 above depicts that females were at majority in this CESM at Honour's degree level with 70% whilst males accounted for 30%.

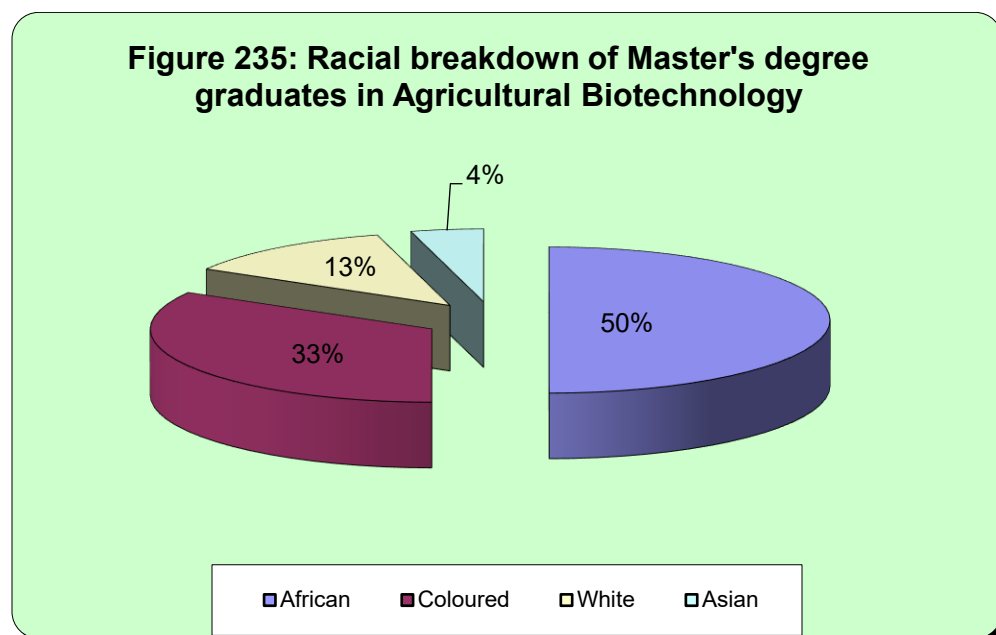


Figure 235 above indicates that Africans were at majority in this CESM at Master's degree level with 50%, followed by Coloureds with 33%, Whites with 13% and Asians with 4%.

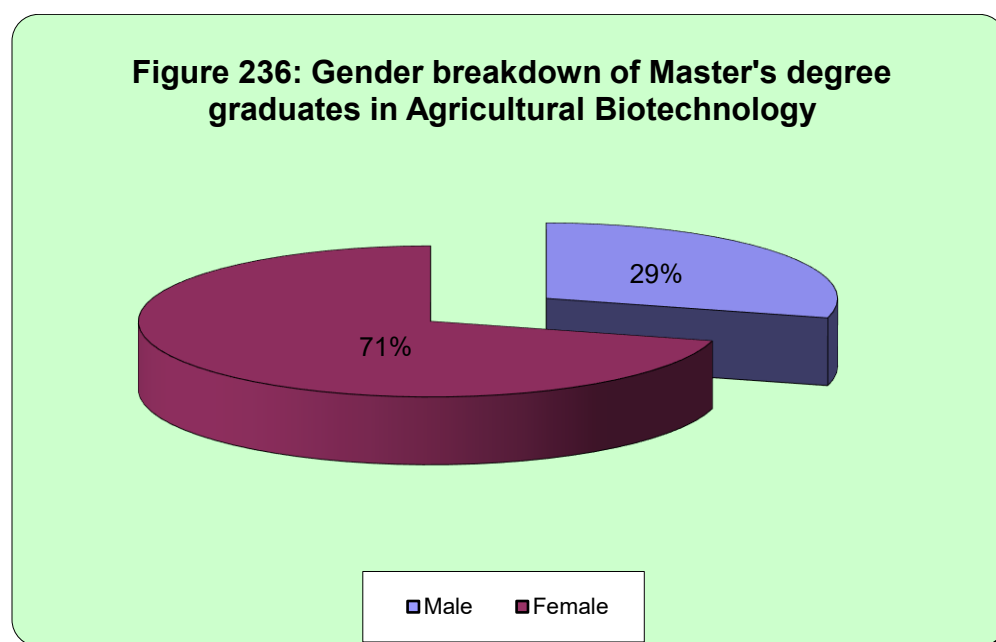


Figure 236 above depicts that females dominated graduates in this CESM at Master's degree level with 71% whilst males constituted 29%.

Nine (9) graduates were produced in this CESM at PhD level during the 2024 academic year; 1 was an African male, 6 African females, 1 was a Coloured female and 1 Asian male. No White graduates were produced in this CESM at this level during the 2024 academic year.

4.4.3.14 Biochemistry and Chemistry graduates during the 2024 academic year

Three hundred and thirteen (313) graduates were produced in this CESM during the 2024 academic year. Table 90 below presents a demographic breakdown of Biochemistry and Chemistry graduates in 2024 by level of qualification.

Table 90: Demographic breakdown of Biochemistry and Chemistry graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	63	187	250	1	9	10	1	9	10	0	2	2	272
Honours	4	12	16	0	0	0	2	6	8	1	0	1	25
Master's	2	6	8	1	0	1	2	0	2	0	0	0	11
PhD	1	0	1	0	1	1	2	0	2	1	0	1	5
Total	70	205	275	2	10	12	7	15	22	2	2	4	313

During the 2024 academic year, Undergraduate degree level dominated the total number of graduates produced in this CESM with 87%, followed by Honours with 8%, Master's with 4% and PhD with 2%.

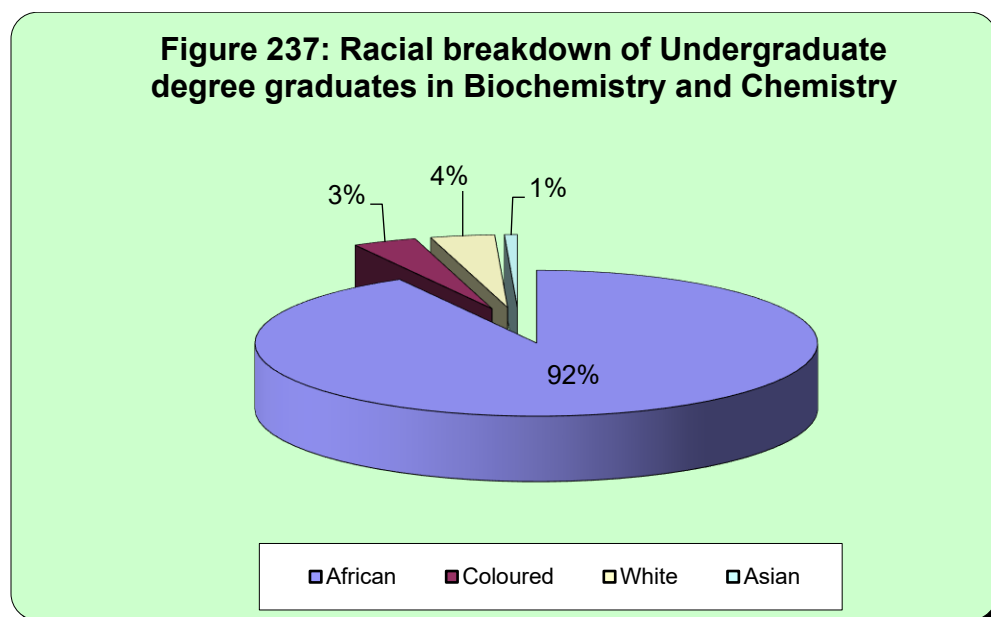


Figure 237 above indicates that Africans dominated graduates in this CESM at this level during the 2024 academic year with 92%, followed by Whites with 4%, Coloureds with 3% and Asians with 1%.

Figure 238: Gender breakdown of Undergraduate degree graduates in Biochemistry and Chemistry

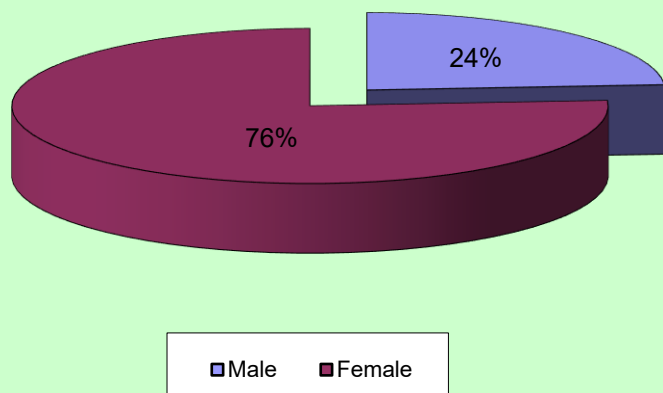


Figure 238 above depicts that females contributed 76% of the total number of graduates produced in this CESM at this level whilst males accounted for 24%.

Figure 239: Racial breakdown of Honours degree graduates in Biochemistry and Chemistry

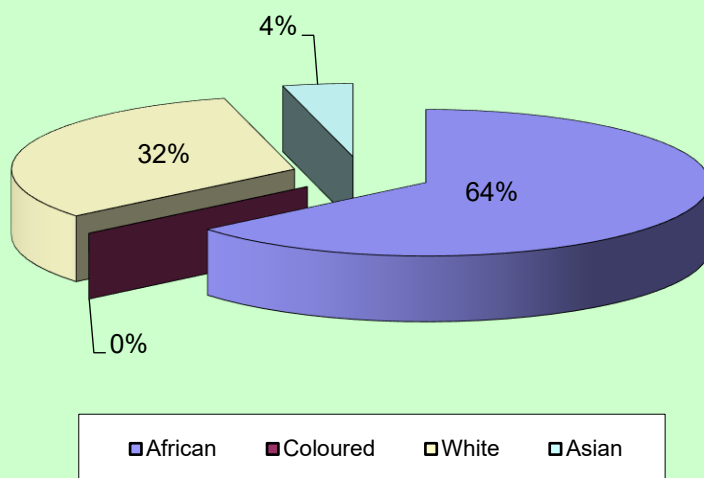


Figure 239 above indicates that Africans dominated graduates in this CESM at this level during the 2024 academic year with 64%, followed by Whites with 32% and Coloureds with 4%. No Asian graduates were produced in this CESM at this level during the 2024 academic year.

Figure 240: Gender breakdown of Honours degree graduates in Biochemistry and Chemistry

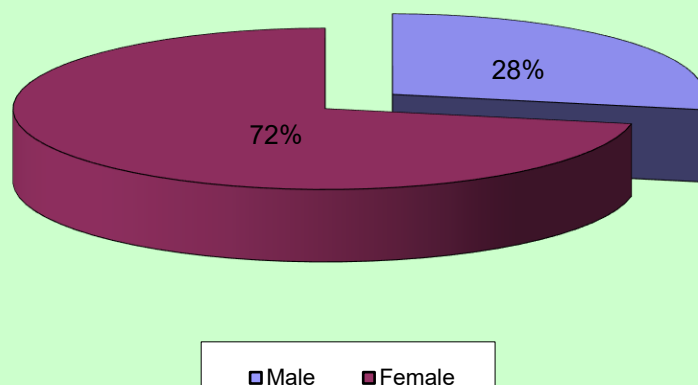


Figure 240 above depicts that females contributed 72% of the total number of graduates produced in this CESM at this level whilst males accounted for 28%.

Eleven (11) graduates were produced in this CESM at Master's degree level during the 2024 academic year; 2 were African males, 6 African females, 1 was a Coloured male, and 2 were White males. No Asians were represented in this CESM at this level.

Five (5) graduates were produced in this CESM at PhD level during the 2024 academic year, 1 was an African male, 1 Coloured female, 2 were White males and 1 was an Asian male.

4.4.3.15 Zoology graduates during the 2024 academic year

Eighty - two (82) graduates were produced in this CESM during the 2024 academic year. Table 91 below presents a demographic breakdown of Zoology graduates during the 2024 academic year by level of qualification.

Table 91: Demographic breakdown of Zoology graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	7	17	24	0	2	2	5	5	10	2	3	5	41
Honour's	1	13	14	1	2	3	4	2	6	0	0	0	23
Master's	4	3	7	0	0	0	2	2	4	1	0	1	12
PhD	3	1	4	0	1	1	1	0	1	0	0	0	6
Total	15	34	49	1	5	6	12	9	21	3	3	6	82

During the 2024 academic year, Undergraduate degree level dominated the number of graduates produced in Zoology with 50%, followed by Honours level with 28%, Master's with 15% and PhD with 7%.

Figure 241: Racial breakdown of Undergraduate degree graduates in Zoology

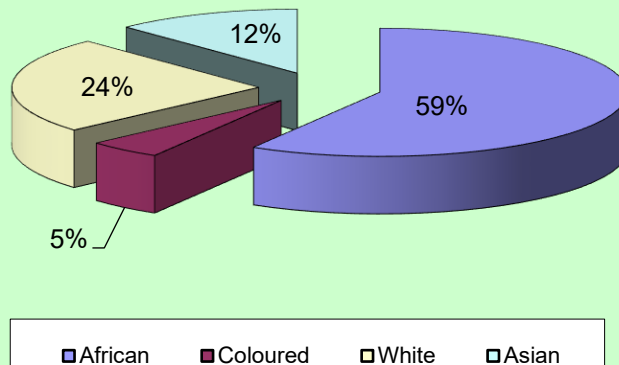


Figure 241 above indicates that Africans dominated graduates in this CESM at this level during the 2024 academic year with 59%, followed by Whites with 24%, Asians with 12% and Coloureds with 5%.

Figure 242: Gender breakdown of Undergraduate degree graduates in Zoology

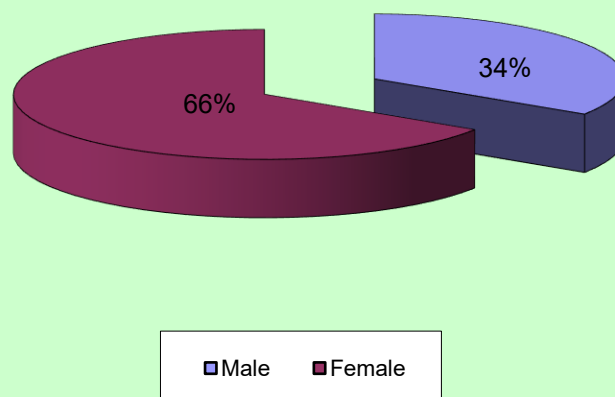


Figure 242 above depicts that females dominated the total number of graduates produced in this CESM at Undergraduate degree level with 66% whilst males accounted for 34%.

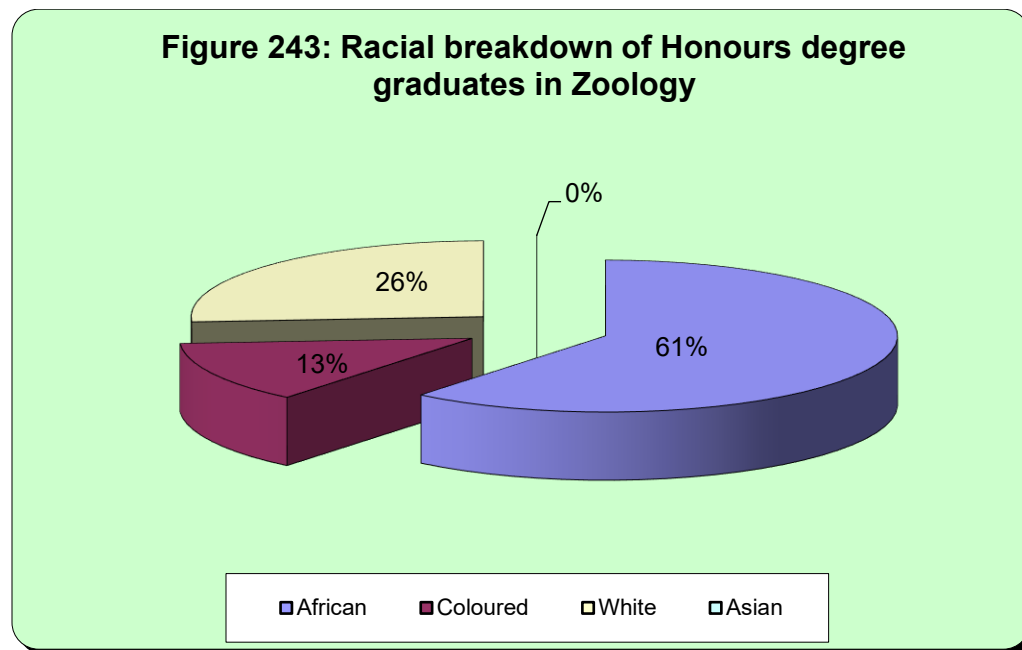


Figure 243 above indicates that Africans dominated graduates in this CESM at the Honours degree level during the 2024 academic year with 61%, followed by Whites with 26% and Coloureds with 13%. No Asian graduates were produced in this CESM at this level.

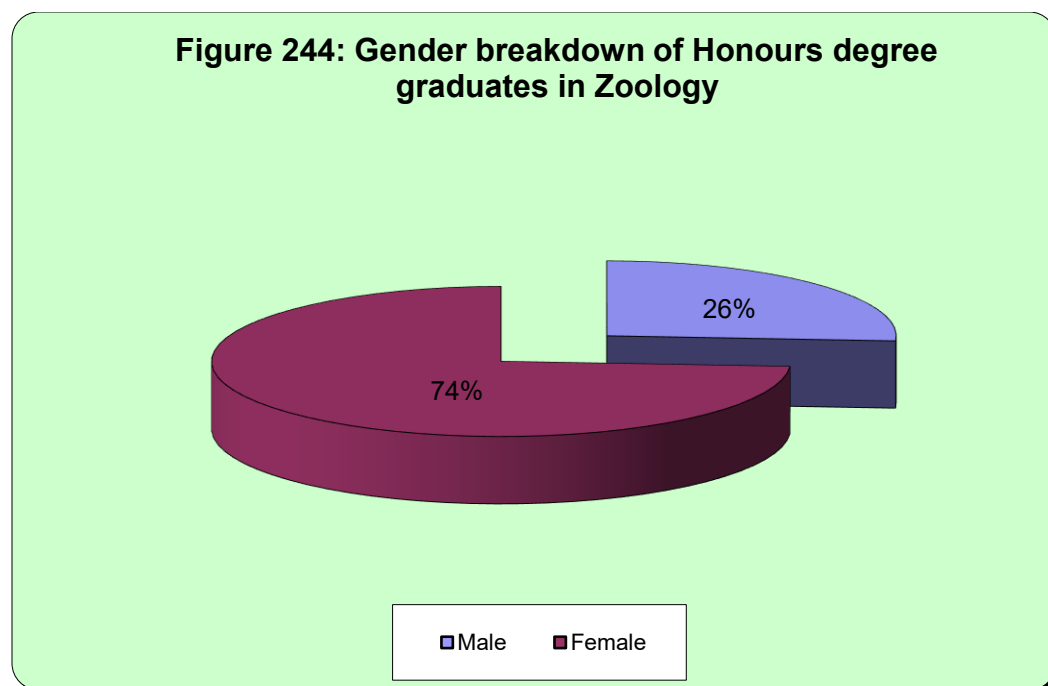


Figure 244 above depicts that females dominated the total number of graduates produced in Zoology at Honours level with 74% whilst males accounted for 26%.

Twelve (12) graduates were produced in this CESM at Master's level in 2024; 4 were African males, 3 African females, 2 White males, 2 White females and 1 was an Asian male. No Coloureds were represented in this CESM at this level.

Six (6) graduates were produced in this CESM at PhD level during the 2024 academic year; 3 were African males, 1 was an African female, 1 Coloured female and 1 was a White male. No Asians were represented in this CESM at this level.

4.4.3.16 Veterinary Science graduates during the 2024 academic year

Two hundred and thirty - nine (239) graduates were produced in this CESM during the 2024 academic year. Table 92 below presents a demographic breakdown of Veterinary Science graduates during the 2024 academic year.

Table 92: Demographic breakdown of Veterinary Science graduates in 2024 by level of qualification													
Level	African			Coloured			White			Asian			Total
	M	F	T	M	F	T	M	F	T	M	F	T	
Undergraduate	0	0	0	0	0	0	0	0	0	0	0	0	0
Honours	13	15	28	1	4	5	32	103	135	7	19	26	194
Master's	6	6	12	0	1	1	12	12	24	0	0	0	37
PhD	1	3	4	0	0	0	1	3	4	0	0	0	8
Total	20	24	44	1	5	6	45	118	163	7	19	26	239

Honours degree level dominated graduates produced in Veterinary Science with 81%, followed by Master's degree with 16% and PhD with 3%. No graduates were produced in this CESM at Undergraduate degree level during the 2024 academic year.

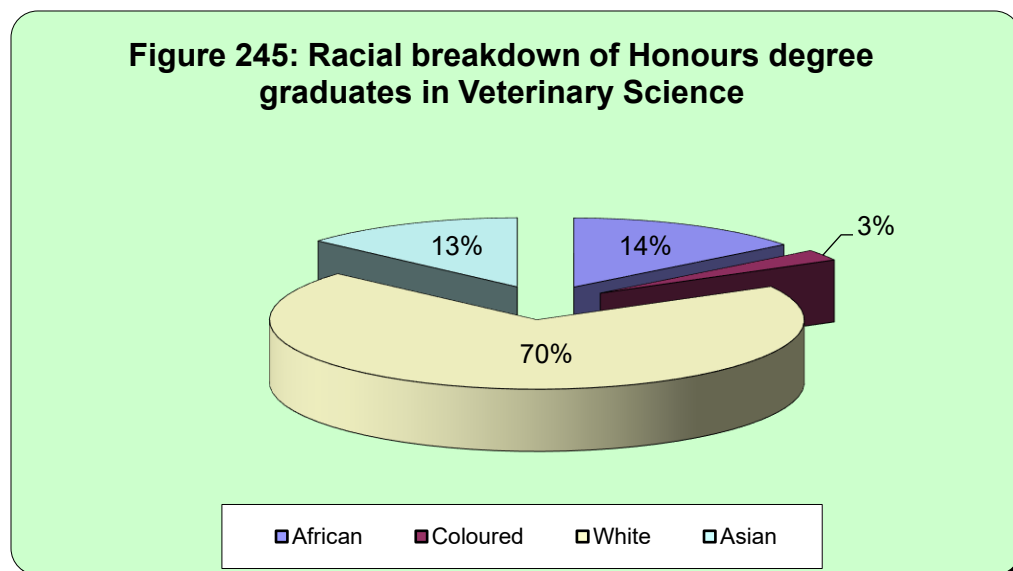


Figure 245 above depicts that Whites dominated the total number of Veterinary Science graduates produced at Honours degree level with 70%, followed by Africans with 14%, Asians with 13% and Coloureds with 3%.

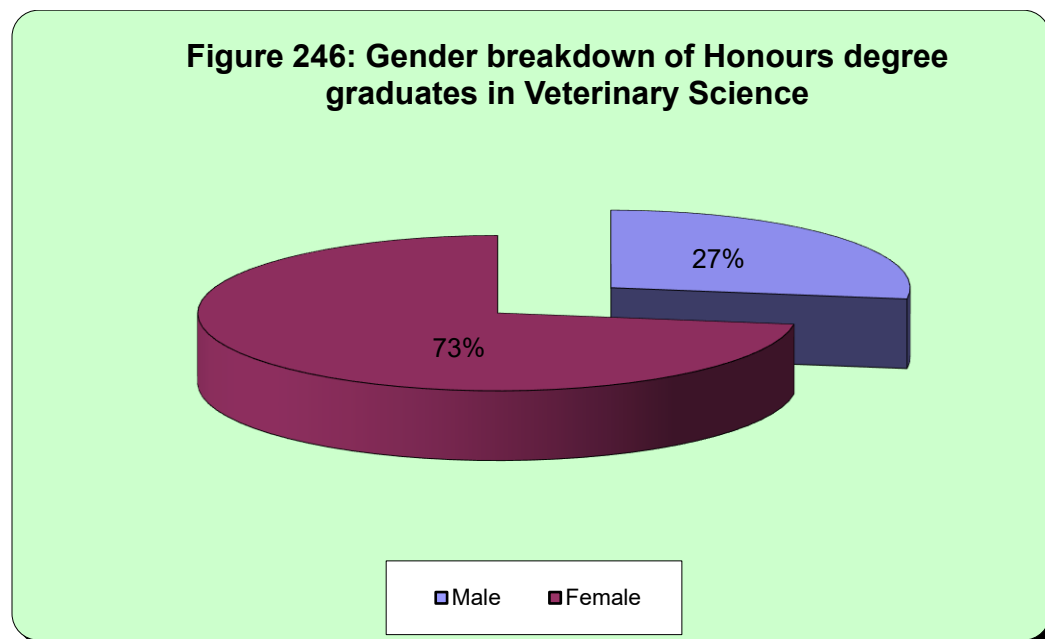


Figure 246 above depicts that females dominated graduates produced in this CESM at Honours degree level with 73% whilst males accounted for 27%.

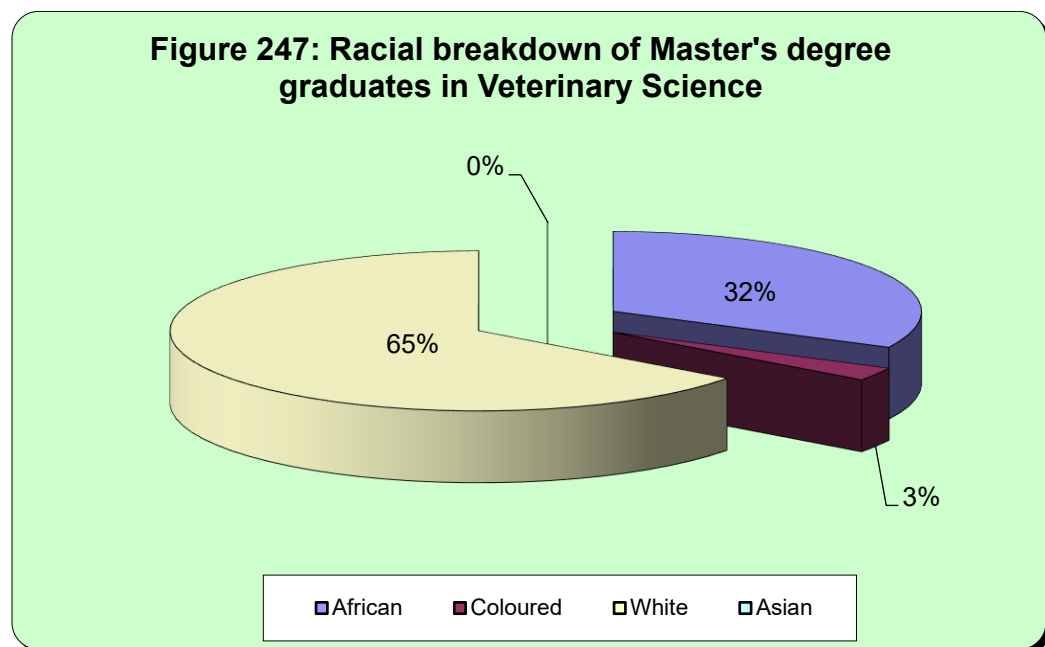


Figure 247 above depicts that Whites dominated the total number of graduates produced at Master's degree level with 65%, followed by Africans with 32% and

Coloureds with 3%. No Asian graduates were produced in this CESM at Master's degree level during the 2024 academic year.

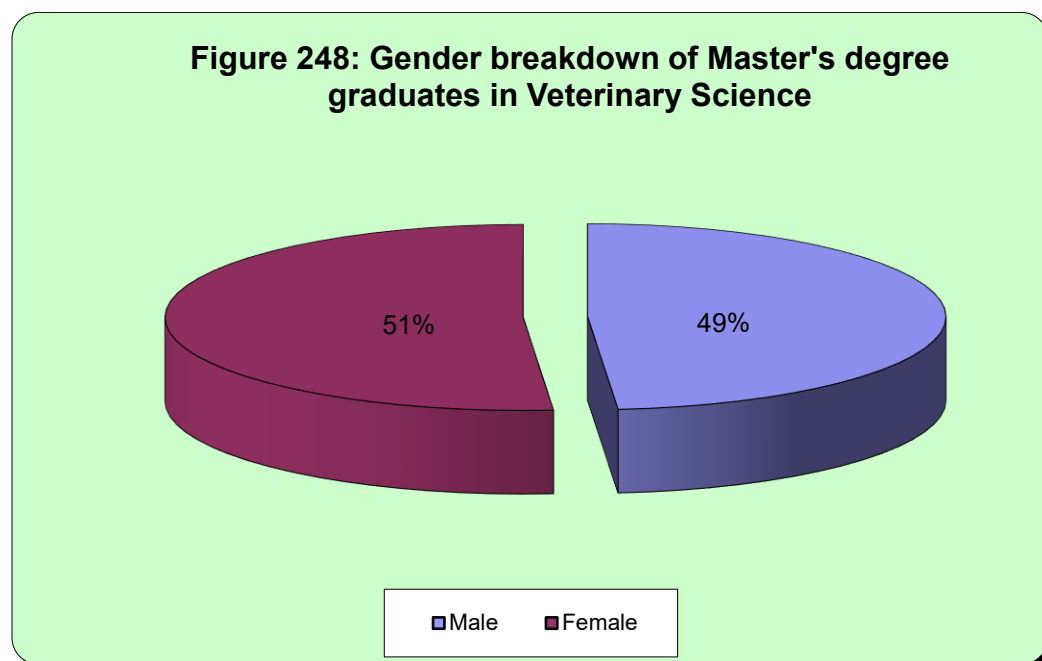


Figure 248 above depicts that females dominated the total number of graduates produced in this CESM at Master's level with 51% whilst males constituted 49%.

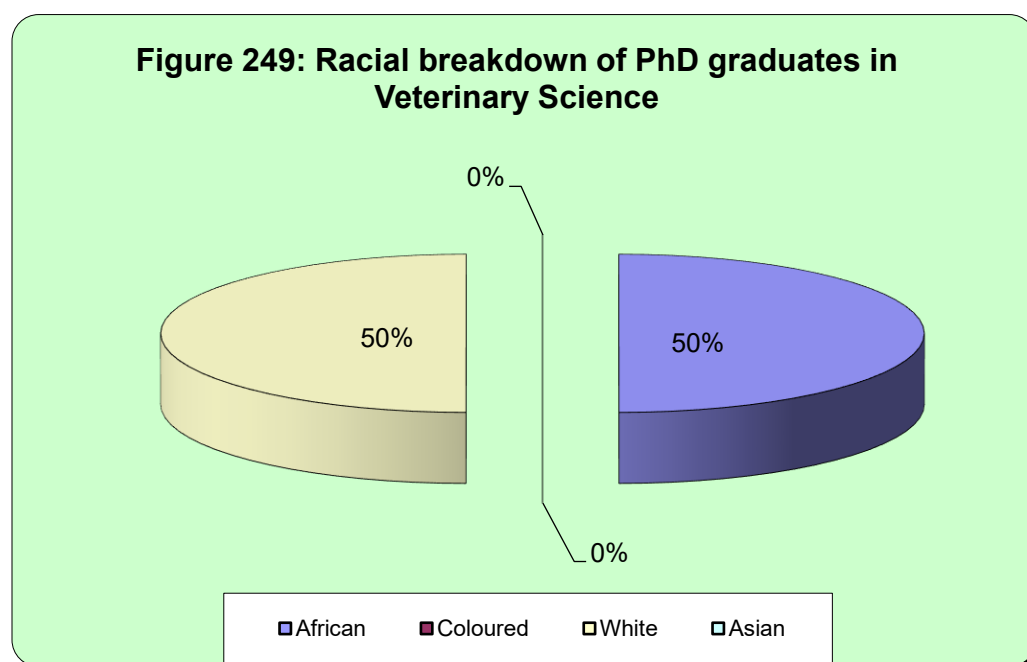


Figure 249 above depicts that both Whites and Africans graduated the same number of students during the 2024 academic year with 50% respectively. No Coloured and Asian graduates were produced in this CESM at PhD level.

Figure 250: Gender breakdown of PhD graduates in Veterinary Science

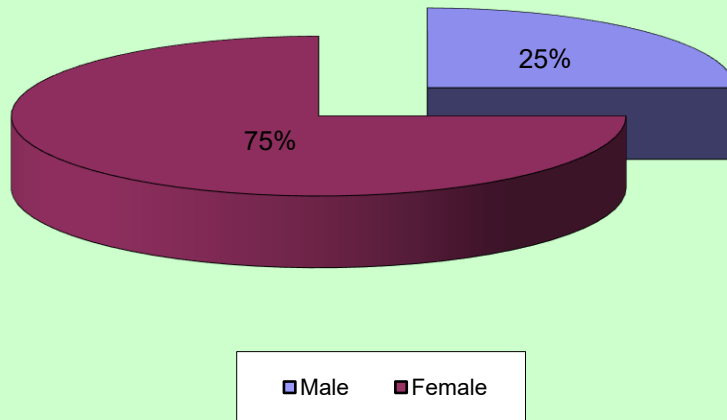


Figure 250 above depicts that females dominated the total number of graduates produced in this CESM at PhD level with 75% whilst males accounted for 25%.

4.5 Conclusion

A total number of twenty - one thousand seven hundred and seventeen (21 717) students registered for different Agricultural programmes during the 2025 academic year. Enrolment figures at Undergraduate degree level continued to dominate the number of enrolments as compared to Honours, Master's and PhD levels as it has been a trend during the previous academic years. Undergraduate degree level contributed 56%, followed by Honours level with 30%, Master's level with 8% and PhD with 6% of the total number of enrolments during the 2025 academic year.

The total number of enrolment figures during the 2025 academic year were dominated by Agricultural Business and Management with 4 437, followed by Animal Science students with 4 107, Agriculture, Agricultural Operations and Related Science and Other with 2 354, Agricultural Production Operations with 2 110, Biochemistry and Chemistry with 1 646, Veterinary Science with 1 498 and Plant Science with 1 373. The lowest number of enrolment figures were recorded in Agricultural Mechanization with registration of only 66 students.

During the 2024 academic year, a total number of four thousand three hundred and forty - eight (4 348) graduates were produced in agricultural programmes. Graduate figures were dominated by Undergraduate degree level with 45%, followed by Honours level with 38%, Master's with 13% and PhD with 4% of the total number of graduates produced in agricultural programmes during the 2024 academic year.

The total number of graduates produced during the 2024 academic year were dominated by Agricultural Business and Management with 896 students, followed by Animal Science with 854, Agriculture, Agricultural Operations and Related Science and Other with 619, Agricultural Production Operations with 406, Biochemistry and Chemistry with 313, Veterinary Science with 239 and Plant Science with 216. The lowest number of graduates were produced in Agricultural Mechanization with graduation of only 14 students.

University of South Africa recorded the highest number of enrolments during the 2024 academic year and the high number of graduates were produced by the University of Pretoria. The least number of enrolments were recorded at the University of Western Cape and the least number of graduates were produced by the University of Venda.

Africans have continued to dominate in most of the AET programmes in terms of enrolments and graduates, however, it is worth noting that Whites also dominated graduates in Viticulture and Oenology and Veterinary Science. There was a great under-representation of Coloured and Asian students in most of the programmes during the 2024 and 2025 academic years. Gender classification also indicates that females dominated enrolments and graduate output figures during the 2024 and 2025 academic years.