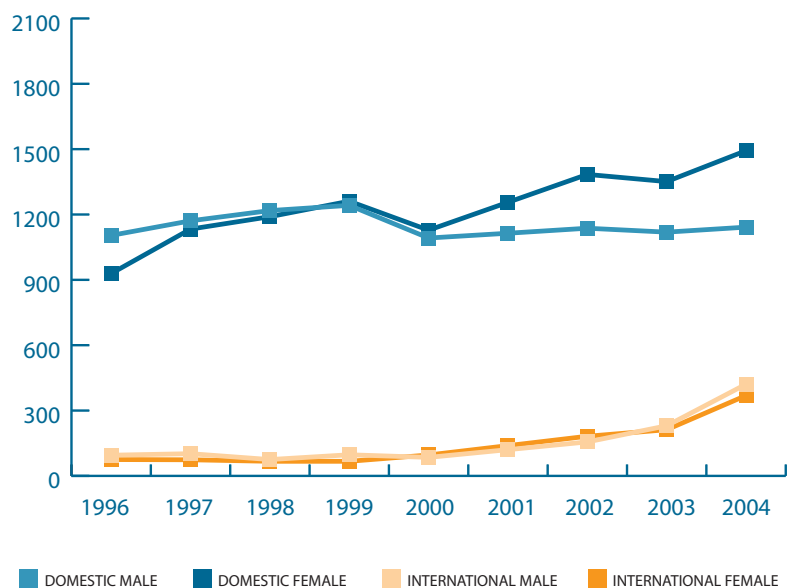


- This publication covers the 4022 individuals who became eligible to graduate from a New Zealand university in 2004 with either a Masterate (3425 individuals) or Doctorate (597).
- That number represents an increase on the 3461 individuals with those qualifications (2912 Masterates, 549 Doctorates) who graduated in 2003 (2002, 3356).
- Of the 3425 individuals graduating with a Masterate, 2635 were domestic and 790 international.
- Of the 597 individuals graduating with a Doctorate, 507 were domestic and 90 international.
- Those completing Masterate or Doctorate postgraduate qualifications in 2004 were surveyed mid-way through 2005.
- The survey response rate for those individuals was 36.5% (1467 individuals) – the Masterate response rate being 36.1% (1235 individuals) and the Doctorate response rate 38.9% (232 individuals).
- There were 487 Male Masterate respondents, a response rate of 31.2% (females 748, 40.2%) and 104 Male Doctorate respondents, a response rate of 32.5% (females 128, 46.2%).

1 SECTION ONE: NZ UNIVERSITY POSTGRADUATE POPULATION

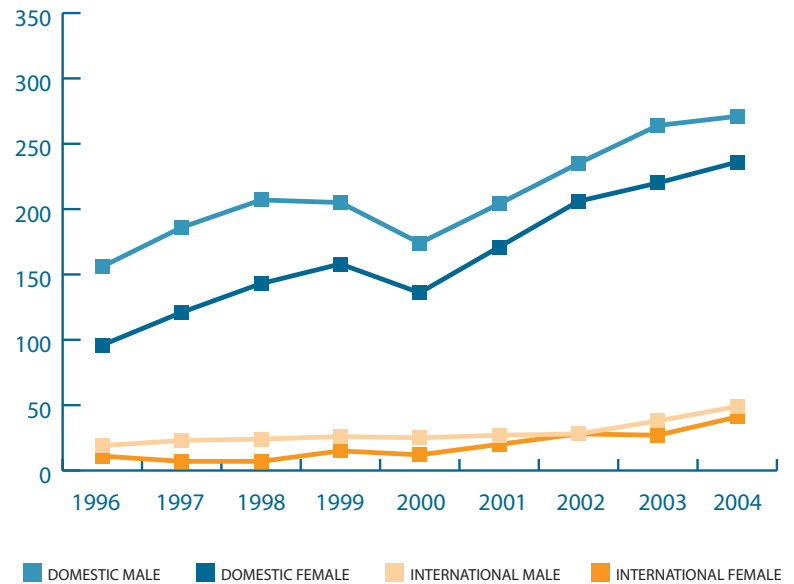
1.1 UNIVERSITY MASTERATE COMPLETION POPULATION BY SOURCE/GENDER: 9-YEAR TREND

- In 1996 the number of domestic males in the Masterate completion population exceeded the number of domestic females but by 1999 that situation had reversed.
- In 1996 the number of international males in the Masterate completion population exceeded the number of international females; in 2000 that situation reversed but international males again exceeded international females in 2003/2004.
- Over the nine-year period the proportion of international students in the Masterate completion population has increased from 7.7% in 1996 to 23.1% in 2004.



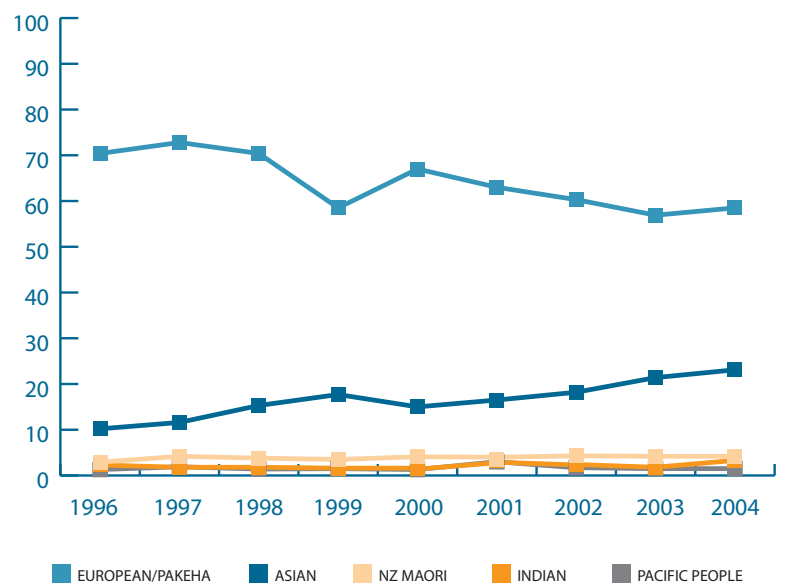
1.2 UNIVERSITY DOCTORATE COMPLETION POPULATION BY SOURCE/GENDER: 9-YEAR TREND

- Throughout the nine-year period the number of domestic males in the Doctorate completion population exceeded the number of domestic females.
- Throughout the nine-year period the number of international males in the Doctorate completion population exceeded the number of international females with the exception of 2002 when the numbers were equal.
- Over the nine-year period the proportion of international students in the Doctorate completion population has increased from 10.6% in 1996 to 15.1% in 2004.



1.3 ETHNIC COMPOSITION OF UNIVERSITY POSTGRADUATE COMPLETION POPULATION: 9-YEAR TREND

- During the nine years of data collection the proportion of European/Pakeha in the postgraduate completion population has generally declined with a corresponding increase in the Asian proportion.
- During the nine years the proportion of New Zealand Maori in the postgraduate completion population has increased from 2.9% in 1996 to 4.2% in 2004.
- Of New Zealand Maori who completed Masterates or Doctorates in 2004, 63.7% were female.
- The proportion of Pacific People in the postgraduate completion population remained relatively constant over the nine-year period.



1.4 DISTRIBUTION OF POSTGRADUATE COMPLETION POPULATION ACROSS UNIVERSITIES – 2004

- The University of Auckland had the highest number of international Masterates (198 or 25.1% of all international Masterates) and international Doctorates (23 or 25.6% of all international Doctorates).
- The University of Auckland and Massey University had the highest numbers of domestic Masterates (773 and 602 respectively); a reflection of those institutions' size in relation to the other six universities.
- The University of Auckland had the highest number of domestic Doctorates (159) followed by the University of Otago (110).

		INTERNATIONAL GRADUATES			NZ GRADUATES		
		MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
Auckland	Masters	114	84	198	349	424	773
	Doctorate	12	11	23	84	75	159
AUT	Masters	33	34	67	17	67	84
	Doctorate		1	1	1	2	3
Canterbury	Masters	43	28	71	155	129	284
	Doctorate	6	7	13	39	35	74
Lincoln	Masters	8	7	15	24	15	39
	Doctorate	2	1	3	11	3	14
Massey	Masters	66	45	111	239	363	602
	Doctorate	7	6	13	31	30	61
Otago	Masters	17	21	38	106	120	226
	Doctorate	13	5	18	64	46	110
Victoria	Masters	92	84	176	136	237	373
	Doctorate	7	10	17	13	20	33
Waikato	Masters	48	66	114	116	138	254
	Doctorate	2		2	28	25	53
TOTAL		470	410	880	1413	1729	3142

1.5 DISTRIBUTION OF POSTGRADUATE COMPLETION POPULATION BY AGGREGATE FIELD OF STUDY – 2004

- The aggregate field with the highest number of Masterates was Social and Behavioural Sciences (972), an increase of 213 on the number recorded in 2003.
- The aggregate field with the highest number of Doctorates was Humanities (169), an increase of 17 on the number recorded in 2003.
- The number of Commerce/Business Masterates completed in 2004 was 764, a decrease of 87 on the number completed in 2003.
- The number of Physical Sciences Doctorates completed in 2004 was 35, a decrease of 9 on the number completed in 2003.
- There was a marked increase in the number of Mathematics and Information Sciences Doctorates completed in 2004 – 40 doctorates in that aggregate field as opposed to the 15 completed in 2003.

		MALE	FEMALE	TOTAL	% OF POP
Arch/Building/ Planning/Surv	Masters	45	41	86	2.1%
	Doctorate	1	2	3	.1%
Biological Sciences	Masters	113	149	262	6.5%
	Doctorate	42	44	86	2.1%
Commerce/Business	Masters	427	337	764	19.0%
	Doctorate	23	15	38	.9%
Health	Masters	55	242	297	7.4%
	Doctorate	19	12	31	.8%
Humanities	Masters	88	152	240	6.0%
	Doctorate	94	75	169	4.2%
Maths and Info Sci	Masters	106	44	150	3.7%
	Doctorate	25	15	40	1.0%
Physical Sci	Masters	63	31	94	2.3%
	Doctorate	25	10	35	.9%
Social and Behavioural Sci	Masters	360	612	972	24.2%
	Doctorate	30	75	105	2.6%
Technology and Engineering	Masters	191	62	253	6.3%
	Doctorate	36	7	43	1.1%
Visual and Performing Arts	Masters	23	46	69	1.7%
	Doctorate	2	3	5	.1%
No Specific Major	Masters	92	146	238	5.9%
	Doctorate	23	19	42	1.0%
TOTAL		1883	2139	4022	100.0%

2

SECTION TWO: EMPLOYMENT STATUS AND SALARIES OF DOMESTIC SURVEY RESPONDENTS

2.1 DOMESTIC RESPONDENTS IN EMPLOYMENT BY GENDER

- Of those respondents who graduated with a Masterate in 2004, 317 males (79.4%) and 444 females (67.1%) were in full-time employment mid-way through 2005.
- Of those respondents who graduated with a Doctorate in 2004, 70 males (79.5%) and 85 females (74.6%) were in full-time employment mid-way through 2005.
- Those respondents reporting “not employed” might have been studying on a full or part-time basis, located overseas or not actively seeking employment.
- In 2004 the “no data” proportions recorded were relatively high in all but one instance.

PERCENTAGE OF MALE MASTERATE DOMESTIC RESPONDENTS EMPLOYED 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

FINAL YEAR OF STUDY	FULL-TIME EMPLOYMENT	PART-TIME EMPLOYMENT	NOT EMPLOYED	NO DATA
2000	78.5	9.2	11.7	0.5
2001*	-	-	-	-
2002	80.8	10.0	8.9	0.3
2003	79.7	7.4	11.6	1.3
2004	79.4	5.8	11.5	3.3

* NO SURVEY CONDUCTED

PERCENTAGE OF FEMALE MASTERATE DOMESTIC RESPONDENTS EMPLOYED 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

FINAL YEAR OF STUDY	FULL-TIME EMPLOYMENT	PART-TIME EMPLOYMENT	NOT EMPLOYED	NO DATA
2000	70.7	16.7	12.2	0.4
2001*	-	-	-	-
2002	73.0	17.4	8.7	0.8
2003	71.9	17.8	9.5	0.8
2004	67.1	14.8	11.0	7.1

* NO SURVEY CONDUCTED

PERCENTAGE OF MALE DOCTORATE DOMESTIC RESPONDENTS EMPLOYED 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

FINAL YEAR OF STUDY	FULL-TIME EMPLOYMENT	PART-TIME EMPLOYMENT	NOT EMPLOYED	NO DATA
2000	87.9	3.0	7.6	1.5
2001*	-	-	-	-
2002	83.3	5.6	8.3	2.8
2003	88.6	3.4	5.7	2.3
2004	79.5	13.6	5.7	1.1

* NO SURVEY CONDUCTED

PERCENTAGE OF FEMALE DOCTORATE DOMESTIC RESPONDENTS EMPLOYED 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

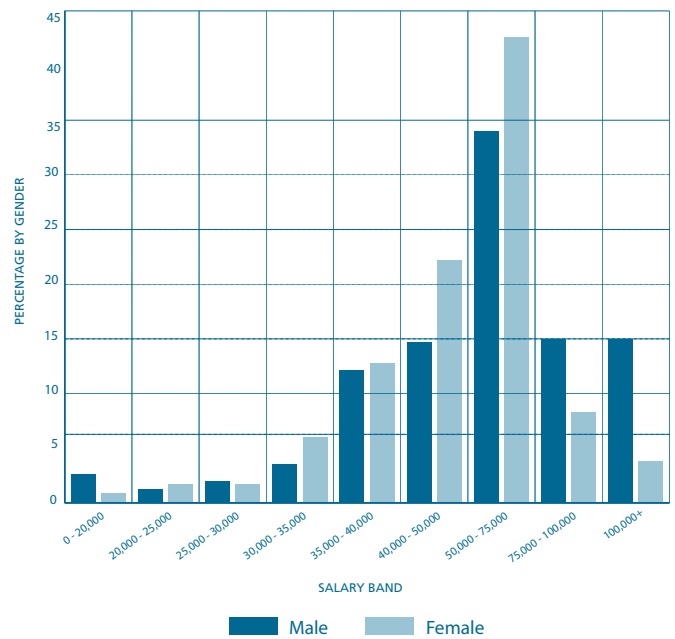
FINAL YEAR OF STUDY	FULL-TIME EMPLOYMENT	PART-TIME EMPLOYMENT	NOT EMPLOYED	NO DATA
2000	68.5	12.3	17.8	1.4
2001*	-	-	-	-
2002	78.3	15.2	6.5	0.0
2003	80.8	8.7	8.7	1.9
2004	74.6	15.8	7.0	2.6

* NO SURVEY CONDUCTED

		0 - \$20,000	
		Male	Female
Arch/Building/Planning/Surv			
Biological Sciences			1
Commerce/Business		3	
Health			
Humanities		1	
Maths and Info Sci			
Physical Sci		1	
Social and Behavioural Sci		1	2
Technology and Engineering			
Visual and Performing Arts			
No Specific Major		3	1
Total	Count	9	4
	Table %	1.1%	.5%

2.2 SALARY BANDS FOR DOMESTIC RESPONDENTS IN FULL-TIME EMPLOYMENT BY GENDER

- Of the 916 Masterate and Doctorate domestic respondents in full-time employment, 816 supplied salary information.
- Males and females were equally willing to supply salary information; males constituted 42.2% of all domestic respondents in full-time employment with these qualifications and 42.5% of those who supplied salary information.
- In general terms, female domestic respondents in full-time employment six months after graduation with these high-level qualifications earned less than their male counterparts.
- Of the 347 male domestic respondents who supplied salary information, 64.0% earned \$50,000 or more; of the 469 female domestic respondents who supplied salary information 54.8% earned \$50,000 or more.



2.3 SALARY BANDS FOR DOMESTIC RESPONDENTS IN FULL-TIME EMPLOYMENT BY AGGREGATE FIELD OF STUDY

- The Commerce/Business aggregate field had a high proportion (82.8%) earning \$50,000 or more.
- The Health aggregate field had a significant proportion (65.3%) earning \$50,000 or more.
- The Humanities aggregate field had a significant proportion (31.4%) earning \$40,000 or less.
- Respondent numbers in two aggregate fields (Architecture/Building/Planning/Surveying and Visual and Performing Arts) were low.
- Females comprised 77.3% and 68.8% respectively of domestic respondents earning \$50,000 or more in the Health and Social and Behavioural Sciences aggregate fields.

\$20,000 - \$25,000		\$25,000 - \$30,000		\$30,000 - \$35,000		\$35,000 - \$40,000		\$40,000 - \$50,000		\$50,000 - \$75,000		\$75,000 - \$100,000		\$100,000 - >		TOTAL
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
			2	1	1	2	3	2	3	1	2	1	1			16
			2	1	2	7	11	9	16	11	4	2	1	3		70
1	2	1	1	3	4	3	2	5	3	27	27	25	15	30	11	163
	1			1	2	2	11	3	15	9	45	1	5	5	1	101
1	2	2			5	6	5	5	6	13	19	2	1	2		70
2		1		1	1	8		2	2	7	4	1	4	2		35
		1			1	2	1	6	3	2	2		1			20
	1	1	2	3	8	6	20	7	48	24	73	11	11	4	2	224
					2	5	4	8	3	11	4	5				42
				1			2				1				1	5
	2	1	1	1	2	1	4	4	5	13	19	3	1	6	3	70
4	8	7	8	12	28	42	60	51	104	118	200	52	39	52	18	816
.5%	1.0%	.9%	1.0%	1.5%	3.4%	5.1%	7.4%	6.3%	12.7%	14.5%	24.5%	6.4%	4.8%	6.4%	2.2%	100.0%

3

SECTION THREE: FURTHER STUDY

3.1 DOMESTIC RESPONDENTS UNDERTAKING FURTHER STUDY BY GENDER

- Proportions of domestic Masterate respondents undertaking further full or part-time study have remained reasonably constant over time.
- Having achieved the pinnacle of the qualifications system, very few domestic Doctorate respondents undertake further study. However, a small proportion have pursued this option in recent years.
- Mid-way through 2005 there were 30 male domestic Masterate respondents and 63 female domestic Masterate respondents undertaking further full-time study.
- Mid-way through 2005 there were 43 male domestic Masterate respondents and 72 female domestic Masterate respondents undertaking further part-time study.
- Mid-way through 2005 there were 3 male domestic Doctorate respondents and 3 female domestic Doctorate respondents undertaking further full-time study.
- Mid-way through 2005 there were 8 male domestic Doctorate respondents and 7 female domestic Doctorate respondents undertaking further part-time study.

PERCENTAGE OF MALE MASTERATE DOMESTIC RESPONDENTS STUDYING 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

FINAL YEAR OF STUDY	FULL-TIME STUDY	PART-TIME STUDY	NOT STUDYING	NO DATA
2000	11.1	14.4	72.8	1.6
2001*	-	-	-	-
2002	6.7	9.2	83.3	0.8
2003	13.7	10.3	74.7	1.3
2004	7.5	10.8	76.9	4.8

* NO SURVEY CONDUCTED

PERCENTAGE OF FEMALE MASTERATE DOMESTIC RESPONDENTS STUDYING 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

FINAL YEAR OF STUDY	FULL-TIME STUDY	PART-TIME STUDY	NOT STUDYING	NO DATA
2000	10.5	14.5	74.0	1.0
2001*	-	-	-	-
2002	10.2	8.0	80.6	1.2
2003	12.1	10.7	76.2	1.0
2004	9.5	10.9	71.9	7.7

* NO SURVEY CONDUCTED

PERCENTAGE OF MALE DOCTORATE DOMESTIC RESPONDENTS STUDYING 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

FINAL YEAR OF STUDY	FULL-TIME STUDY	PART-TIME STUDY	NOT STUDYING	NO DATA
2000	0.0	4.5	94.0	1.5
2001*	-	-	-	-
2002	1.4	1.4	91.7	5.5
2003	2.3	5.7	89.7	2.3
2004	3.4	9.1	86.4	1.1

* NO SURVEY CONDUCTED

PERCENTAGE OF FEMALE DOCTORATE DOMESTIC RESPONDENTS STUDYING 6 MONTHS AFTER GRADUATION: 5-YEAR TREND

FINAL YEAR OF STUDY	FULL-TIME STUDY	PART-TIME STUDY	NOT STUDYING	NO DATA
2000	1.4	5.5	91.8	1.4
2001*	-	-	-	-
2002	1.1	2.2	96.7	0.0
2003	7.7	3.8	87.5	1.0
2004	2.6	6.1	89.5	1.8

* NO SURVEY CONDUCTED

4 SECTION FOUR: SEEKING EMPLOYMENT

4.1 DOMESTIC RESPONDENTS SEEKING EMPLOYMENT BY GENDER

- Proportions of male and female domestic respondents seeking employment with these high-level qualifications were low although 14.0% of female domestic Doctorate respondents were seeking full-time employment.
- Domestic respondents seeking full-time or part-time employment were not necessarily unemployed; they could have already have been working full-time or part-time, studying full-time or part-time, or have a combination of those destinations.
- Of the 47 male domestic Masterate respondents seeking full-time employment, 15 were not employed and 38 not studying; of the 61 female domestic Masterate respondents seeking full-time employment, 11 were not employed and 45 not studying.
- Of the 10 male domestic Doctorate respondents seeking full-time employment, 2 were not employed and 8 not studying; of the 16 female domestic Doctorate respondents seeking full-time employment, 4 were not employed and 15 not studying.

	MALE	% OF ALL MALE RESPONDENTS WITH QUAL	FEMALE	% OF ALL FEMALE RESPONDENTS WITH QUAL
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SEEKING FULL-TIME

Masterate	47	11.8	61	9.2
Doctorate	10	11.4	16	14.0

SEEKING PART-TIME

Masterate	20	5.0	41	6.2
Doctorate	2	2.3	4	3.5

4.2 DOMESTIC RESPONDENTS SEEKING EMPLOYMENT BY AGGREGATE FIELD OF STUDY

- Mid-way through 2005 there were 44 domestic Masterate respondents seeking employment in the Social and Behavioural Sciences aggregate field.
- Mid-way through 2005 there were a total of 18 domestic Doctorate respondents seeking employment in the Humanities and Social and Behavioural Sciences aggregate fields.
- The distribution of domestic respondents seeking employment across the aggregate fields of study is similar to that for the entire postgraduate completion population. As a result, no undue significance can be attached to those aggregate fields where numbers seeking employment were relatively high.

		MALE	FEMALE	TOTAL	
				COUNT	TABLE %
Arch/Building Planning/Surv	Masters	2	1	3	1.5%
	Doctorate	1	3	4	2.0%
Biological Sciences	Masters	6	6	12	6.0%
	Doctorate	1	3	4	2.0%
Commerce/Business	Masters	19	19	38	18.9%
	Doctorate		1	1	.5%
Health	Masters	1	13	14	7.0%
	Doctorate	1		1	.5%
Humanities	Masters	3	10	13	6.5%
	Doctorate	2	7	9	4.5%
Maths and Info Sci	Masters	6	3	9	4.5%
	Doctorate	1		1	.5%
Physical Sci	Masters	2	3	5	2.5%
	Doctorate	2	1	3	1.5%
Social and Behavioural Sci	Masters	12	32	44	21.9%
	Doctorate	2	7	9	4.5%
Technology and Engineering	Masters	11	4	15	7.5%
	Doctorate				
Visual and Performing Arts	Masters		1	1	.5%
	Doctorate				
No Specific Major	Masters	5	10	15	7.5%
	Doctorate	3	1	4	2.0%
Total		79	122	201	100.0%

5 SECTION FIVE: OVERSEAS

5.1 DESTINATIONS OF DOMESTIC RESPONDENTS LOCATED OVERSEAS

- The proportion of domestic Masterate respondents located overseas (76 individuals) mid-way through 2005 was 7.2%.
- Nearly half of those respondents (37 individuals) were employed full-time and not studying while 10 individuals were neither employed nor studying.
- The proportion of domestic Doctorate respondents located overseas (31 individuals) mid-way through 2005 was 15.3%.
- All but four of those individuals were employed full-time and not studying.

MASTERATES

	FULL-TIME EMPLOYMENT	PART-TIME EMPLOYMENT	NOT EMPLOYED	NO DATA	TOTAL
Full-time Study	3	1	5	1	10
Part-time Study	8	1	1	-	10
Not Studying	37	4	10	-	51
No Data	3	-	-	2	5
TOTAL	51	6	16	3	76

DOCTORATES

	FULL-TIME EMPLOYMENT	PART-TIME EMPLOYMENT	NOT EMPLOYED	NO DATA	TOTAL
Full-time Study	-	-	-	-	-
Part-time Study	-	-	-	-	-
Not Studying	27	2	1	1	31
No Data	-	-	-	-	-
TOTAL	27	2	1	1	31

5.2 DOMESTIC RESPONDENTS LOCATED OVERSEAS: 5-YEAR TREND

- During the five-year period the number of domestic respondents with postgraduate qualifications located overseas has remained relatively static; exactly the same numbers were recorded in 2003 and 2004 for both qualifications.

FINAL YEAR OF STUDY	MASTERATE	DOCTORATE	TOTAL
2000	69	26	95
2001*	-	-	-
2002	63	20	83
2003	76	31	107
2004	76	31	107

* NO SURVEY CONDUCTED

