

# New Zealand Qualifications Authority

## Tertiary Qualifications Statistics 2003

### Final Report

This report presents information concerning candidate performance in examinations for Trade Certification, Industry Registration and New Zealand Certificates in 2003.

The tables included in this publication illustrate trends in the tertiary examinations, provide information on examination results for various subject groupings and supply statistics relating to individual subjects. Information on candidates achieving qualifications is not included with these statistics.

Where tables refer to candidate numbers, or include these numbers in calculations, they are based on the number of candidates who actually received final grades or results in the qualifications concerned. In the past, some analyses have been based on examination entry figures.

These tables represent final results, including the outcome of all reviews, reconsiderations and compassionate considerations.

In this report, the Qualifications Authority has attempted to supply general data that is likely to be useful and of interest to a broad audience. More specific information is available on request and will be charged for on a cost recovery basis.

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## Trade Certificate Statistics - November Examinations 1998-2003

### General Data

**Table 1:** Trends in information for candidates sitting the November Trade Certificate examinations.

	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Total number of examination entries	3615	1015	480	146	95	4
Total number of results	3004	940	443	132	79	4
Number of subjects	78	47	24	11	7	1
Average number of results per subject	39	20	18	12	11	4

## Trade Certificate Statistics - November Examinations 2003

### Pass Rate and Final Score Statistics

**Table 2:** The number of candidate entries pass mark and pass rate statistics for each subject in the November Trade Certificate (TC) examinations

<b>Code</b>	<b>Subject</b>	<b>Entries</b>	<b>Results</b>	<b>Pass Mark</b>	<b>Pass</b>	<b>Mean</b>	<b>Pass Rate %</b>
707	Manufacturing Jewellery Trade	4	4	55	4	68	100

## Industry Registration Statistics - November Examinations 1998-2003

### General Data

**Table 3:** Trends in information for candidates sitting the November Industry Registration examinations.

	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Total number of examination entries	626	1882	1792	1625	2019	1199
Total number of results	616	1806	1716	1554	1937	1177
Number of subjects	7	20	19	19	26	26
Average number of results per subject	88	90	90	82	75	45

## Industry Registration Statistics - November Examinations 2003

**Table 4:** The number of candidate entries pass mark and pass rate statistics for each subject in the November Industry Registration examinations.

Code	Subject	Entries	Results	Pass Mark	Number Passing	Mean	Pass Rate %
9101	AUTO ELECT ENG MITO NAT REG	24	24	55	16	58.2	67
9102	AUTO ELECT.ENG. MITO NAT A GRAD	12	12	50	10	54.8	83
9103	AUTO ENGINEERING MITO NAT REG.	213	212	55	89	51.3	42
9104	AUTO ENG. MITO NAT A GRADE REG	80	78	54	49	54.8	63
9105	AUTO HEAVY ENG MITO NAT REG	99	99	60	58	63.1	59
9106	AUTO HEAVY ENG MITO NAT A GRADE	74	72	65	54	70.9	75
9107	AUTO MACH MITO NAT REG	6	6	60	1	52.3	17
9108	AUTO MACH MITO NAT A GRADE REG	1	1	60	1	81.0	100
9109	AUTO. PARTS & ACCESS. MITO NAT	14	14	50	12	50.6	86
9110	COACHBUILDING MITO NAT REG	8	8	59	7	65.4	88
9112	AUTO. REFINISH. MITO NAT REG	22	22	60	16	63.1	73
9113	AUTO. REFINISH. MITO NAT A GRAD	5	5	60	4	62.2	80
9114	DIESEL FUEL INJECT ENG. MITO NA	2	2	70	2	84.0	100
9115	MOTOR CYCLE ENG MITO NAT A GRAD	11	11	60	5	56.0	45
9116	MOTOR CYCLE ENG. MITO NAT REG	13	13	55	8	57.4	62
9117	MOT TRIM MITO NAT REG	1	1	60	1	74.0	100
9118	PANELBEATING MITO NAT.REG.	43	41	60	25	59.1	61
9119	PANELBEATING MITO NAT A GRADE R	9	9	60	8	63.7	89
9120	TRAILER BOAT SYS ENG MITO NAT	3	3	60	0	41.7	0
9122	OUTDOOR POWER EQUIP SYS MITO NA	1	1	60	1	62.0	100
9127	SERVICE MANAGEMENT MITO NAT.REG	16	16	70	15	80.2	94
9192	PLUMBING NAT REG	189	184	60	82	56.1	45
9193	GASFITTING NAT REG	126	121	60	87	63.2	72
9194	PLUMB & GAS CRAFTSMAN REG. PAPE	103	101	60	86	66.2	85
9195	PLUMB CRAFTSMAN REG. PAPER B	77	75	60	32	56.3	43
9196	GAS CRAFTSMAN REG. PAPER C	47	46	60	40	70.3	87

## Advanced Vocational Awards Stage 3 and Stage 5 Statistics - November Examinations 1998-2003

### General Data

**Table 5:** Trends in information for candidates sitting Technicians Certificate and New Zealand Certificate Stage 3 and Stage 5 November examinations.

	1998	1999	2000	2001	2002	2003
Total number of examination entries	4862	3623	2301	955	352	55
Total number of results	4425	3202	2091	870	319	52
Number of subjects	64	32	31	26	19	4
Average number of results per subject	69	100	67	33	17	13
A grades	13%	12%	14%	15%	15%	13%
B grades	32%	30%	32%	36%	30%	44%
C grades	30%	31%	29%	30%	28%	25%
D grades	14%	15%	14%	11%	16%	8%
E grades	10%	12%	11%	8%	11%	10%
Overall percentage pass rate	75%	73%	75%	81%	73%	81%

## Advanced Vocational Awards Stage 3 and Stage 5 Statistics 2003

### General Data for each Stage

**Table 6:** Stage 3 and Stage 5 New Zealand Certificate result statistics.

	Stage 3	Stage 5
Total number of examination entries	13	42
Total number of results	11	41
Number of subjects	1	3
Average number of results per subject	11	14
A grades	27%	10%
B grades	27%	49%
C grades	27%	24%
D grades	0%	10%
E grades	19%	7%
Overall percentage pass rate	81%	83%

## Advanced Vocational Awards Grade Boundaries 2003

**Table 7: Grade Boundaries 2003**

		<b>Grade A</b>	<b>Grade B</b>	<b>Grade C</b>	<b>Grade D</b>
3031	Mathematics	75	60	50	40
5200	Mechanical Technology	75	60	50	40
5201	Engineering Design	75	60	50	40
5202	Industrial Thermodynamics	75	58	49	40

## Advanced Vocational Awards Stage 3 Statistics 2003

### Grade Distribution Data

**Table 8:** The distribution of grades for the November Stage 3 New Zealand Certificate examinations.

<b>Code</b>	<b>Subject</b>	<b>Number Sitting</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Number Passing</b>
3031	Mathematics	11	3	3	3	0	2	9

## Advanced Vocational Awards Stage 5 Statistics 2003

### Grade Distribution Data

**Table 9:** The distribution of grades for the November Stage 5 New Zealand Certificate examinations.

<b>Code</b>	<b>Subject</b>	<b>Number Sitting</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Number Passing</b>
5200	Mechanical Technology	7	1	5	1	0	0	7
5201	Engineering Design	14	1	8	5	0	0	14
5202	Industrial Thermodynamics	20	2	7	4	4	3	13

## Advanced Vocational Awards Stage 3 Statistics 2003

### Percentage Grade Distribution Data

**Table 10:** The percentage of students achieving each grade for the November Stage 3 New Zealand Certificate examinations.

<b>Code</b>	<b>Subject</b>	<b>Number Sitting</b>	<b>A%</b>	<b>B%</b>	<b>C%</b>	<b>D%</b>	<b>E%</b>	<b>Pass Rate %</b>
3031	Mathematics	11	27	27	27	0	1	81

## Advanced Vocational Awards Stage 5 Statistics 2003

### Percentage Grade Distribution Data

**Table 11:** The percentage of students achieving each grade for the November Stage 5 New Zealand Certificate examinations.

Code	Subject	Number Sitting	A%	B%	C%	D%	E%	Pass Rate %
5200	Mechanical Technology	7	14	71	14	0	0	100
5201	Engineering Design	14	7	57	36	0	0	100
5202	Industrial Thermodynamics	20	10	35	20	20	15	65

## Advanced Vocational Awards Stage 3 Statistics 2003

### Total Mark Statistics

**Table 12:** Total mark statistics for the Stage 3 New Zealand Certificate results.

Code	Subject	Mean (%)	StDev (%)	Max (%)
3031	Mathematics	62	16	84

## Advanced Vocational Awards Stage 5 Statistics 2003

### Total Mark Statistics

**Table 13:** Total mark statistics for the Stage 5 New Zealand Certificate results.

Code	Subject	Mean (%)	StDev (%)	Max (%)
5200	Mechanical Technology	69	11	91
5201	Engineering Design	63	8	77
5202	Industrial Thermodynamics	56	15	86

## Advanced Vocational Awards Stage 5 Statistics 2003

### Grade Boundaries Data - Electrotechnology Examinations (November)

**Table 14:** The grade boundaries in NZCE (Electrotechnology option) modules examinations for November.

		<b>Grade A</b>	<b>Grade B</b>	<b>Grade C</b>	<b>Grade D</b>
5275	Power Electronics	75	60	50	40
5277	Electrical Building Services	75	60	50	40
5281	Data Communications	75	60	49	40
5285	Electronic Devices & Signals	75	60	50	40
5287	Telecom Network Services	75	60	50	40
5289	Radio Frequency Principles	75	60	48	40

## Advanced Vocational Awards Stage 5 Statistics 2003

### Grade Distribution Data - Electrotechnology Coursemarks (November)

**Table 15:** The distribution of grades for NZCE (Electrotechnology options) modules coursework for November.

<b>Code</b>	<b>Subject</b>	<b>Number Sitting</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>EXM</b>
5275	Power Electronics	10	3	5	2	0	0	0
5277	Electrical Building Services	1	1	0	0	0	0	0
5281	Data Communications Interfaces	2	0	1	1	0	0	0
5285	Electronic Devices & Signals	3	2	1	0	0	0	0
5287	Telecommunications Network Serv	1	0	1	0	0	0	0
5289	Radio Frequency Principles	1	1	0	0	0	0	0

## Advanced Vocational Awards Stage 5 Statistics 2003

### Grade Distribution Data - Electrotechnology Examination Data

**Table 16:** The distribution of grades for NZCE (Electrotechnology options) module examinations for November.

<b>Code</b>	<b>Subject</b>	<b>Number Sitting</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>EXM</b>
5275	Power Electronics	10	5	4	0	0	1	0
5277	Electrical Building Services	1	1	0	0	0	0	0
5281	Data Communications Interfaces	2	1	0	1	0	0	0
5285	Electronic Devices & Signals	3	2	0	1	0	0	0
5287	Telecommunications Network Serv	1	0	0	1	0	0	0
5289	Radio Frequency Principles	1	0	0	1	0	0	0

## Advanced Vocational Awards Stage 5 Statistics 2003

### Grade Distribution Data - Electrotechnology Overall (November)

**Table 17:** The number of candidates passing each of the NZCE (Electrotechnology options) modules for November.

<b>Code</b>	<b>Subject</b>	<b>Number Sitting</b>	<b>Number Passing</b>
5275	Power Electronics	10	9
5277	Electrical Building Services	1	1
5281	Data Communications Interfaces & Pr	2	2
5285	Electronic Devices & Signals	3	3
5287	Telecommunications Network Services	1	1
5289	Radio Frequency Principles	1	1