

Apprenticeship Training

Statistics for:

April 1, 2008 – March 31, 2009



Apprenticeship Training and Skill Development Division
Skills and Learning Branch
Nova Scotia Department of Labour and Workforce Development

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Overview of Apprenticeship Activities

OVERVIEW OF APPRENTICESHIP ACTIVITIES 2008–2009	
Description	Total
Active Apprentices	5044
Active Employers	2083
New Registrations	1509
- New Registrations – Summary	
- New Registrations – Youth Program	
- New Registrations - Average Age	
Cancellation of Apprenticeship Agreements	593
Certificates of Qualification Issued	854
Certificate Renewals	1970
Technical Training	2653
Completions (Graduates)	497
Examinations Written	
- Progress Examinations	120
- Certification Examinations	1241
- Practical Examinations	34
Interprovincial Red Seals Issued	716
Reinstatement of Apprenticeship Agreements	28
Section 30 Applications Received	342
Section 30 Applications Processed	337

Active Apprentices

OCCUPATION	TOTAL	# MALE	%	# FEMALE	%
Agricultural Equipment Technician	3	3	100	0	0
Automotive Service Technician	569	553	97	16	0
Automotive Service Technician - Front End and Brakes	2	2	100	0	0
Automotive Service Technician -Service Station Mechanic	27	27	100	0	0
Baker	1	0	0	1	0
Boatbuilder	25	25	100	0	0
Boilermaker	69	66	96	3	4
Bricklayer	64	64	100	0	0
Carpenter	575	558	97	17	3
Construction Electrician	1015	1000	99	15	1
Cook	190	103	54	87	46
Gas Fitter	108	108	100	0	0
Heavy Duty Equipment Technician	60	59	98	1	2
Industrial Electrician	101	96	95	5	5
Industrial Mechanic (Millwright)	154	150	97	4	3
Instrumentation and Control Technician	67	65	97	2	3
Ironworker (Generalist)	44	44	100	0	0
Insulator (Heat & Frost)	4	4	100	0	0
Machinist	81	77	95	4	5
Metal Fabricator (Fitter)	17	16	94	1	6
Mobile Crane Operator	19	18	95	1	5
Motor Vehicle Repairer (Metal and Paint)	37	35	95	2	5
Oil Burner Mechanic	117	116	99	1	1

Painter and Decorator	25	24	96	1	4
Plumber	400	392	98	8	2
Power Engineer	143	136	95	7	5
Powerline Technician	79	78	99	1	1
Refrigeration and Air Conditioning Mechanic	120	119	99	1	1
Refrigeration Plant Operator - Power Engineer	23	22	96	1	4
Restoration Stone Mason	6	5	83	1	17
Sheet Metal Worker	99	99	100	1	1
Sprinkler System Installer	55	55	100	1	1
Steamfitter-Pipfitter	423	408	96	15	4
Transport Trailer Technician	1	1	100	0	0
Truck and Transport Mechanic	231	229	99	2	1
Welder	90	83	92	7	8
TOTAL	5044	4840	96	204	4

New Registrations - Summary

NOTE: All data presented is for the 2008 – 2009 reporting year unless otherwise stated.

In 2008 – 2009, 1509 new apprentices were registered of which 1445 were male and 64 were female. Registrations in the Automotive Service Technician and Construction Electrician occupations accounted for 0.3 % of all new registrations.

NEW REGISTRATIONS 2008-2009				
Trade	Actual	%	Male	Female
Automotive Service Technician	184	.12	180	4
Automotive Service Technician (Front End and Brakes)	1		1	0
Automotive Service Technician (Service Station Mechanic)	8	.01	8	0
Baker	1		1	0
Boilermaker	33	.02	32	1
Bricklayer	23	.02	22	1
Carpenter	126	.08	120	6
Construction Electrician	267	.18	262	5
Cook	67	.04	38	29
Gas Fitter	49	.03	49	0
Heavy Duty Equipment Technician	25	.02	24	1
Industrial Electrician	34	.02	33	1
Industrial Mechanic (Millwright)	29	.02	29	0
Instrumentation and Control Technician	27	.02	27	0
Ironworker (Generalist)	20	.01	20	0
Machinist	25	.02	23	2
Metal Fabricator (Fitter)	9	.01	8	1
Mobile Crane Operator	19	.01	18	1
Motor Vehicle Body Repairer (Metal and Paint)	15	.01	14	1
Oil Burner Mechanic	22	.01	21	1
Plumber	122	.08	120	2
Power Engineer	36	.02	35	1
Powerline Technician (Lineman)	24	.02	24	0
Refrigeration and Air Conditioning Mechanic	34	.02	33	1
Refrigeration Plant Operator	4		4	0
Sheet Metal Worker	28	.02	28	0
Sprinkler System Installer	22	.01	22	0
Steamfitter-Pipefitter	155	.10	151	4
Truck and Transport Mechanic	63	.04	63	0
Welder	36	.02	34	2
TOTAL	1509	100	1445	64

New Registrations - Average Age

The average age of the 1509 apprentices who registered last year is 29.1 years.

OCCUPATION	TOTAL	AVERAGE AGE
Automotive Service Technician	184	26.3
Automotive Service Technician (Front End and Brakes)	1	31
Automotive Service Technician (Service Station Mechanic)	8	26.3
Baker	1	38
Boilermaker	33	27
Bricklayer	23	24.7
Carpenter	126	25.5
Construction Electrician	267	26.7
Cook	67	30
Gas Fitter	49	35.8
Heavy Duty Equipment Technician	25	24.8
Industrial Electrician	34	30.2
Industrial Mechanic (Millwright)	29	30.4
Instrumentation and Control Technician	27	27.6
Ironworker (Generalist)	20	28.6
Machinist	25	26.3
Metal Fabricator (Fitter)	9	24.4
Mobile Crane Operator	19	33.2
Motor Vehicle Body Repairer (Metal and Paint)	15	25.9
Oil Burner Mechanic	22	33.8
Plumber	122	27.6
Power Engineer	36	33.7
Powerline Technician	24	27.8
Refrigeration and Air Conditioning Mechanic	34	25.9
Refrigeration Plant Operator - Stationary Engineer	4	41.2
Sheet Metal Worker	28	29.9
Sprinkler System Installer	22	26
Steamfitter-Pipefitter	155	28.6
Truck and Transport Mechanic	63	28.6
Welder	36	26.6
TOTAL	1509	29.1

Cancellations

593 apprentices were cancelled from the Apprenticeship Program for various reasons.

REASON FOR CANCELLATION	NUMBER	PERCENTAGE
Employer Termination of Agreement Progress	110	.19
Unable to Locate	100	.17
Left the Province	32	.04
Not Trade Employed	40	.07
Insufficient Theory	78	.13
Transfer of Apprenticeship	39	.07
Left the Employer	27	.05
At own request	44	.07
Excessive Time in Trade	105	.18
Other	18	.03
TOTAL	593	100%

Certificates of Qualification Issued

Certificates of Qualification are issued to apprentices who have successfully completed an apprenticeship program and to trade qualifiers who have met all the requirements of a trade and have passed the certification examination.

In 2008 – 2009, 854 Certificates of Qualification (CQs) were issued. Of these, 474 were issued to completed apprentices, and 341 were issued to trade qualifiers. The remaining certificates were issued to Certificate of Qualification holders from other jurisdictions who qualified for Nova Scotia certification.

CERTIFICATES OF QUALIFICATION ISSUED							
Certificates Issued	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	Change from Previous Year
Completed Apprentices	408	454	524	475	454	474	+20
Trade Qualifiers	200	223	201	242	355	341	-14
Certificate Holders from Other Jurisdictions	40	41	34	28	31	39	+8
TOTAL	648	719	759	745	838	854	+14

Since 1937, a total of approximately 55,000 Certificates of Qualification have been issued in the Province of Nova Scotia.

Technical Training

In 2008 – 2009, 2199 apprentices attended technical training at the Nova Scotia Community College. In addition, 432 apprentices registered for technical training on the Internet through the Virtual Campus and 22 apprentices accessed training through their labour organization.

TECHNICAL TRAINING							
Facility	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	Change from Previous Year
UCCB	233	205	N/A	N/A	N/A	N/A	
NSCC	1218	1250	1770	1876	2112	2199	+87
UA Plumbers & Pipefitters	23	51	30	19	7	22	+15
Virtual Campus (NSCC)	617	672	472	*380	421	432	+11
TOTAL	2091	2178	2272	2275	2540	2653	+113

* This number is reduced from last year's figure due to a change in the method used to report apprentices accessing training at the Virtual Campus. In the past, the number reported included all apprentices who were actively engaged in training during the fiscal year. Due to the three-month time limit for course completion, apprentices who started prior to the start of the fiscal period but were still active in the current period were included in the count which created an overlap from the previous year. The new reporting method will show only apprentices who registered for on-line training in the current fiscal year.

NOTE: As of September 2005, all apprenticeship courses previously offered at the University College of Cape Breton were transferred to the Nova Scotia Community College.

Completions (Graduates)

COMPLETIONS (GRADUATES) OF THE PROGRAM			
Occupation	Graduates	Male	Female
Agricultural Equipment Technician	1	1	0
Automotive Service Technician	46	44	2
Automotive Service Technician – Front End & Brakes	1	1	0
Automotive Service Technician (Service Station Mechanic)	45	45	0
Boat Builder	1	1	0
Boilermaker	14	14	0
Bricklayer	5	5	0
Carpenter	25	23	2
Construction Electrician	103	102	1
Cook	9	3	6
Gas Fitter	25	24	1
Heavy Duty Equipment Technician	14	14	0
Industrial Electrician	5	4	1
Industrial Mechanic (Millwright)	11	11	0
Ironworker (Generalist)	11	11	0
Machinist	10	10	0
Metal Fabricator (Fitter)	1	1	0
Motor Vehicle Body Repairer (Metal and Paint)	3	3	0
Oil Burner Mechanic	10	10	0
Plumber	44	44	0
Power Engineer	24	24	0
Powerline Technician	3	3	0

Refrigeration & Air Conditioning Mechanic	4	4	0
Sheet Metal Worker	12	12	0
Sprinkler System Installer	7	7	0
Steamfitter-Pipefitter	24	23	1
Truck and Transport Mechanic	26	26	0
Welder	13	13	0
TOTAL	497	483	14

Examinations Written

During 2008 – 2009, a total of 1395 clients wrote various apprenticeship progress and certification examinations. Of that total, 120 clients wrote progress examinations, 1241 apprentices and trade qualifiers wrote certification examinations, and 34 practical examinations were administered in the Gas Fitter occupation.

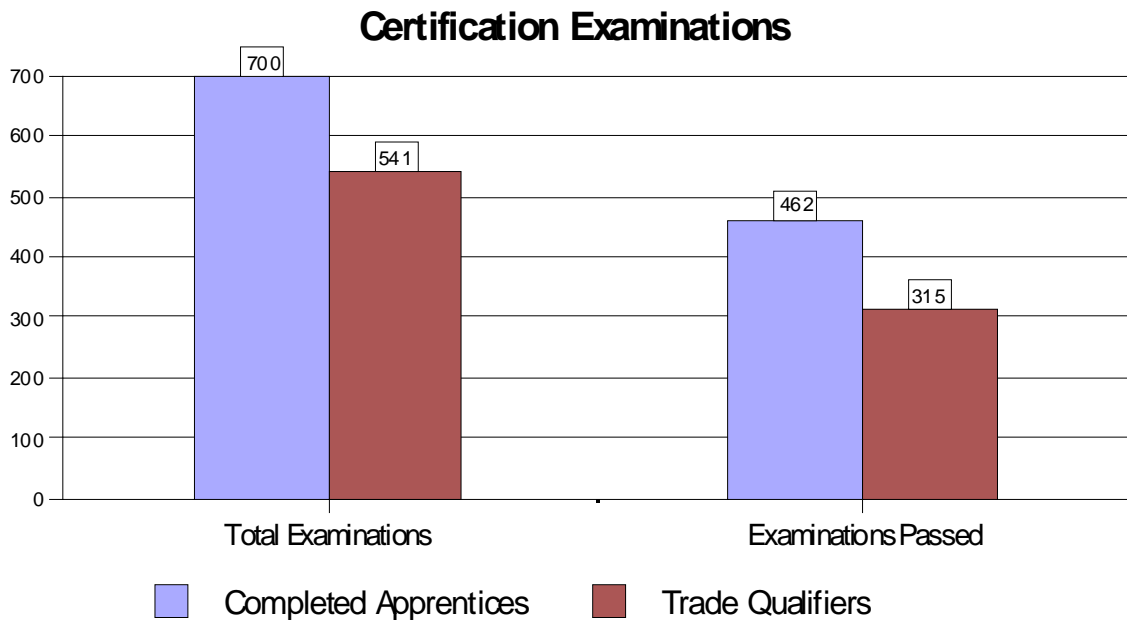
EXAMINATIONS WRITTEN							
Examinations	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	Change from Previous Year
Progress Examinations	143	98	105	132	135	120	-15
Certification Examinations	902	941	1080	1065	1138	1241	+103
Practical Examinations	44	27	16	18	26	34	+8
TOTAL	1089	1066	1201	1215	1299	1395	+96

Progress Examinations

A total of 120 progress examinations were written during 2008 – 2009. Apprentices wrote 106 examinations with a pass rate of 89% (94 passed). Non-apprentices, including pre-employment and placement candidates (challenge examinations to determine placement of candidates in the Apprenticeship Program), wrote 14 examinations with a pass rate of 36% (5 passed).

Certification Examinations

A total of 1241 clients wrote certification examinations during 2008 – 2009. Completed apprentices wrote 700 examinations with a pass rate of 66% (462 passed). Trade qualifiers wrote 541 examinations with a pass rate of 58% (315 passed). The success rate for trade qualifiers increases proportionately to the amount of skills upgrade training they receive.



Interprovincial Red Seals Issued

The Interprovincial Standards (Red Seal) Program was established to provide greater worker mobility across Canada. It allows qualified tradespersons to practice their trades in any province or territory of Canada where the trade is designated without having to write further examinations. A total of 742 Interprovincial Red Seals were issued to qualifying candidates during the calendar year 2008. Of this number, completed apprentices received 419 Red Seals and trade qualifiers received 323.

INTERPROVINCIAL RED SEALS ISSUED							
Red Seals Issued *	2003	2004	2005	2006	2007	2008	Change from Previous Year
Completed Apprentices	403	417	474	435	401	419	+18
Trade Qualifiers	137	165	111	276	231	323	+92
TOTAL	540	582	585	711	632	742	+110



* Red Seal Statistics as reported by Statistics Canada are based on the calendar year, January to December. This accounts for variances between this table and the previous table.

Trade Qualification (Section 30) Applications

1. Section 30 of the General Regulations under the *Apprenticeship and Trades Qualifications Act* provides the opportunity for long-time trade practitioners to receive certification if they meet defined criteria:
 - employed in the trade for the period set out in the Trade Regulations;
 - recommended for a Certificate of Qualification by two persons who are competent in the trade and who have vouched for the candidate's skills and experience;
 - competent in the skills of the trade, as determined by the Director;
 - write and pass the certification examination.

2. During the fiscal year 2008 – 2009, 342 trade qualifiers applied under Section 30 of the General Regulations to write certification examinations. Review Committees assessed 342 and 337 were approved, 1 was denied and 4 applications are pending. It is estimated that each application requires 4 person days to process.

SECTION 30 (TRADE QUALIFIERS) APPLICATIONS							
Applications	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	Change from Previous Year
Reviewed	287	138	223	226	242	342	+100
Approved	274	128	221	224	258	337	+79
Denied	13	10	2	2	2	1	-1

Trade Qualification

A total of 318 trade qualifiers received certification under Section 30 of the General Regulations.

TRADE QUALIFIERS			
Occupation	Trade	Male	Female
Alarm and Security Technician	2	2	0
Automotive Service Technician	10	10	0
Automotive Service Technician (Service Station	10	10	0
Blaster 1 st Class	2	2	0
Blaster 2 nd Class	2	2	0
Blaster 3 rd Class	1	1	1
Boat Builder	29	29	0
Cabinetmaker	1	1	0
Carpenter	16	16	0
Construction Electrician	11	11	0
Cook	6	2	4
Gas Fitter Tech I	1	1	0
Gas Fitter Tech II	5	5	0
Gas Fitter Tech III	3	3	0
Hairstylist	5	0	5
Heavy Duty Equipment Technician	6	6	0
Industrial Electrician	3	3	0
Industrial Mechanic (Millwright)	18	17	1
Instrumentation and Control Technician	2	2	0
Ironworker (Generalist)	28	28	0
Insulator (Heat & Frost)	1	1	0
Machinist	11	11	0
Metal Fabricator (Fitter	1	0	1
Mobile Crane Operator	6	6	0
Motorcycle Mechanic	4	4	0
Motor Vehicle Body Repairer (Metal and Paint)	41	41	0
Oil Burner Mechanic	5	5	0
Painter Decorator	1	1	0
Plumber	5	5	0
Sprinkler System Installer	1	1	0
Steamfitter-Pipefitter	22	22	0
Truck and Transport Mechanic	20	20	0
Welder	39	38	1
TOTAL	318	306	12