



NOVA SCOTIA
Labour and Advanced Education



APPRENTICESHIP
NOVA SCOTIA

Apprenticeship Training



April 1, 2010 - March 31, 2011
Statistics

Apprenticeship Training Division
Skills and Learning Branch
Nova Scotia Department of Labour and Advanced Education

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Overview of Apprenticeship Activities

Overview of Apprenticeship Activities 2010 - 2011	
Description	Total
Active Apprentices	5363
New Registrations	
New Registrations – Summary	1434
New Registrations – Youth Program	65
New Registrations – Average Age	27.7
Cancellation of Apprenticeship Agreements	649
Certificates of Qualifications Issued	867
Certificate Renewals	1679
Technical Training	2742
Completions (Graduates)	500
Examinations Written	1390
Progress Examinations	233
Certification Examinations	1133
Practical Examinations	24
Interprovincial Red Seals Issued	802
Reinstatement of Apprenticeship Agreements	52
Section 30 Applications Received	269

Active Apprentices

Active Apprentices 2010 - 2011					
Occupation	Total	# Male	%	# Female	%
Agricultural Equipment Technician	2	2	100	0	0
Automotive Service Technician	563	550	98	13	2
Automotive Service Technician – Front End and Brakes	3	2	67	1	33
Automotive Service Technician – Service Station Mechanic	7	7	100	0	0
Baker	0	0	0	0	0
Boat Builder	20	20	100	0	0
Boilermaker	45	44	98	1	2
Bricklayer	67	67	100	0	0
Carpenter	585	568	97	17	3
Construction Electrician	1049	1022	97	27	3
Cook	224	121	54	103	46
Gas Fitter	124	124	100	0	0
Gas Turbine Operator Attendant	1	1	100	0	0
Heavy Duty Equipment Technician	40	38	95	2	5
Industrial Electrician	160	149	93	11	7
Industrial Mechanic (Millwright)	153	151	99	2	1
Instrument Technician	1	1	100	0	0
Instrumentation and Control Technician	59	53	90	6	10
Insulator (Heat & Frost)	25	25	100	0	0
Ironworker (Generalist)	39	39	100	0	0
Ironworker (Structural/Ornamental)	1	1	100	0	0
Machinist	89	86	97	3	3
Metal Fabricator (Fitter)	72	71	99	1	1
Mobile Crane Operator	104	102	98	2	2
Motor Vehicle Repairer (Metal & Paint)	104	102	98	2	2
Oil Burner Mechanic	93	91	98	2	2

Active Apprentices 2010 - 2011					
Occupation	Total	# Male	%	# Female	%
Painter and Decorator	5	4	80	1	20
Plumber	435	424	97	11	3
Power Engineer	126	122	97	4	3
Powerline Technician	87	86	99	1	1
Refrigeration and Air Conditioning Mechanic	115	114	99	1	1
Refrigeration Plant Operator – Power Engineer	12	11	92	1	8
Restoration Stone Mason	2	2	100	0	0
Restricted – Automotive Service Technician (Transmission)	1	1	100	0	0
Sheet Metal Worker	139	135	97	4	3
Sprinkler System Installer	56	56	100	0	0
Steamfitter – Pipefitter	461	446	97	15	3
Transport Trailer Technician	0	0	0	0	0
Truck and Transport Mechanic	250	250	100	0	0
Welder	92	88	96	4	4
Total	5363	5125	96	238	4

New Registrations – Summary

Note: All data presented is for the 2010 – 2011 reporting year unless otherwise stated.

In 2010 – 2011, 1434 new apprentices were registered, of which, 1360 were male and 74 were female.

New Registrations 2010 - 2011				
Trade	Actual	%	Male	Female
Automotive Service Technician	126	8.8	122	4
Automotive Service Technician – Front End and Brakes	2	0.1	1	1
Automotive Service Technician – Service Station Mechanic	0	0	0	0
Baker	0	0	0	0
Boat Builder	11	0.8	11	0
Boilermaker	0	0	0	0
Bricklayer	16	1.1	16	0
Carpenter	155	10.8	152	3
Construction Electrician	256	17.9	244	12
Cook	78	5.4	42	36
Gas Fitter	45	3.1	45	0
Heavy Duty Equipment Technician	6	0.4	5	1
Industrial Electrician	72	5.0	67	5
Industrial Mechanic (Millwright)	43	3.0	43	0
Instrumentation and Control Technician	17	1.2	15	2
Insulator (Heat & Frost)	25	1.7	25	0
Ironworker (Generalist)	2	0.01	2	0
Machinist	34	2.4	33	1
Metal Fabricator (Fitter)	23	1.6	23	0
Mobile Crane Operator	23	1.6	23	0
Motor Vehicle Repairer (Metal & Paint)	22	1.5	22	0
Oil Burner Mechanic	25	1.7	24	1
Plumber	114	7.9	111	3

New Registrations 2010 - 2011				
Trade	Actual	%	Male	Female
Power Engineer	32	2.2	32	0
Powerline Technician (Lineman)	22	1.5	22	0
Refrigeration and Air Conditioning Mechanic	24	1.7	23	1
Refrigeration Plant Operator – Power Engineer	3	0.02	3	0
Sheet Metal Worker	37	2.6	36	1
Sprinkler System Installer	16	1.1	16	0
Steamfitter – Pipefitter	96	6.7	94	2
Truck and Transport Mechanic	72	5.0	72	0
Welder	37	2.6	36	1
Total	1434	100	1360	74

New Registrations (Average Age)

The average age of the 1434 apprentices who registered last year is 27.7 years.

New Registrations (Average Age) – 2010 - 2011		
Occupation	Total	Average Age
Automotive Service Technician	126	26.5
Automotive Service Technician – Front End and Brakes	2	34.5
Automotive Service Technician – Service Station Mechanic	0	0
Baker	0	0
Boat Builder	11	35.4
Boilermaker	0	0
Bricklayer	16	29.3
Carpenter	155	27.6
Construction Electrician	256	27.2
Cook	78	29.1
Gas Fitter	45	35.7
Heavy Duty Equipment Technician	6	27.7
Industrial Electrician	72	27
Industrial Mechanic (Millwright)	43	28
Instrumentation and Control Technician	17	26.1
Insulator (Heat & Frost)	25	33.9
Ironworker (Generalist)	2	27
Machinist	34	23.8
Metal Fabricator (Fitter)	23	25.9
Mobile Crane Operator	23	30.9
Motor Vehicle Repairer (Metal & Paint)	22	25.1
Oil Burner Mechanic	25	34.3
Plumber	114	26.9
Power Engineer	32	30.4
Powerline Technician (Lineman)	22	28.1

New Registrations (Average Age) – 2010 - 2011		
Occupation	Total	Average Age
Refrigeration and Air Conditioning Mechanic	24	28.5
Refrigeration Plant Operator – Power Engineer	3	38
Sheet Metal Worker	37	25.9
Sprinkler System Installer	16	26.2
Steamfitter – Pipefitter	96	26.2
Truck and Transport Mechanic	72	25.4
Welder	37	29.9
Total	1434	27.7

Cancellations

In 2010 – 2011, 649 apprentices were cancelled from the Apprenticeship Program for various reasons.

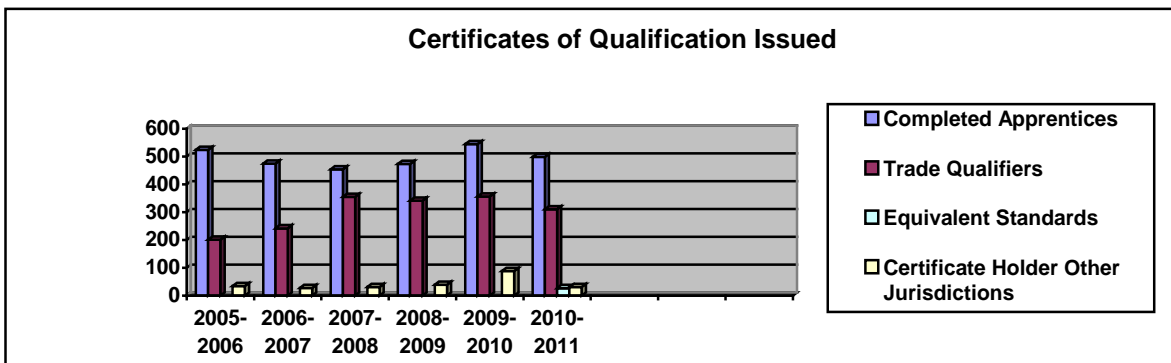
Cancellations 2010 - 2011		
Reason For Cancellation	Number	%
At Own Request	29	4.47
Deceased	5	0.77
Employer Termination of Agreement Progress	91	14.02
Excessive Time in Trade	34	5.24
Inactive Status Expired	39	6.0
Insufficient Practical Progress	2	0.31
Insufficient Theory Progress	135	20.8
Left the Employer	38	5.86
Left the Province	32	4.93
Medical Reasons	2	0.31
Not Trade Employed	143	22.03
Self-employed	2	0.31
To write Certificate of Qualification Exam	11	1.70
Transfer of Apprenticeship	23	3.54
Unable to Locate	63	9.71
Other	0	0
Total	649	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 2010 – 2011, 867 Certificates of Qualification (C of Q) were issued. Of these, 499 were issued to completed apprentices, 310 were issued to trade qualifiers and 27 were issued to equivalent standards. 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	2005 – 2006	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 – 2011	Change from Previous Year
Completed Apprentices	524	475	454	474	545	499	-46
Trade Qualifiers	201	242	355	341	356	310	-46
Equivalent Standards	N/A	N/A	N/A	N/A	N/A	27	N/A
Certificate Holders from Other Jurisdictions	34	28	31	39	88	31	-57
Total	759	745	838	854	989	867	-122



Since 1937, approximately 57,500 Certificates of Qualification have been issued in the Province of Nova Scotia

Technical Training

In 2010 – 2011, 2145 apprentices attended technical training at the Nova Scotia Community College. In addition, 538 apprentices registered for technical training on the Internet through the Virtual Campus and 59 apprentices accessed training through their labour organization.

Technical Training							
Facility	2005 – 2006	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 – 2011	Change from Previous Year
UCCB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NSCC	1770	1876	2112	2199	1955	2145	190
Labour Organizations	30	19	7	22	24	59	35
Virtual Campus (NSCC)	472	380*	421	432	508	538	30
Total	2272	2275	2540	2653	2487	2742	255

Completions (Graduates)

Completions (Graduates) of the Program			
Trade	Graduates	Male	Female
Agricultural Equipment Technician	1	1	0
Automotive Service Technician	46	46	0
Automotive Service Technician – Service Station Mechanic	1	1	0
Boat Builder	5	5	0
Boilermaker	16	15	1
Bricklayer	1	1	0
Carpenter	31	31	0
Construction Electrician	88	87	1
Cook	16	6	10
Gas Fitter (Level 1)	2	2	0
Gas Fitter (Level 2)	10	10	0
Gas Fitter (Level 3)	9	9	0
Heavy Duty Equipment Technician	6	6	0
Industrial Electrician	14	13	1
Industrial Mechanic (Millwright)	26	26	0
Instrumentation and Control Technician	16	15	1
Ironworker (Generalist)	12	12	0
Machinist	11	11	0
Mobile Crane Operator	1	1	0
Motor Vehicle Repairer (Metal & Paint)	10	10	0
Oil Burner Mechanic	11	11	0
Plumber	39	38	1
Power Engineer (Refrigeration Plant Operator (2 nd Class)	2	2	0
Power Engineer (2 nd Class)	7	6	1
Power Engineer (3 rd Class)	2	2	0
Power Engineer (4 th Class)	6	6	0
Powerline Technician	17	17	0
Refrigeration and Air Conditioning Mechanic	17	16	1

Completions (Graduates) of the Program			
Trade	Graduates	Male	Female
Sheet Metal Worker	8	8	0
Sprinkler System Installer	8	8	0
Steamfitter – Pipefitter	29	28	1
Truck and Transport Mechanic	28	28	0
Welder	24	23	1
Total	520	501	19

Examinations Written

During 2010 – 2011, a total of 1390 clients wrote various apprenticeship progress and certification examinations. Of that total, 233 clients wrote progress examinations, 1133 apprentices and trade qualifiers wrote certification examinations, and 24 practical examinations were administered in the Gas Fitter occupation.

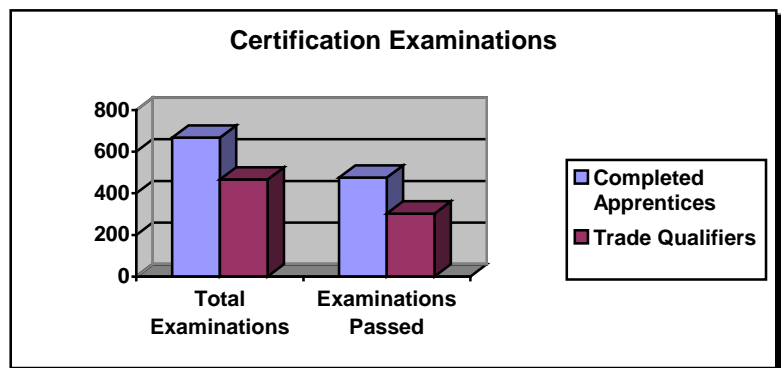
Examinations Written							
Examinations	2005 – 2006	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 – 2011	Change from Previous Year
Progress Examinations	105	132	135	120	181	233	52
Certification Examinations	1080	1065	1138	1241	1344	1133	-211
Practical Examinations	16	18	26	34	22	24	2
Total	1201	1215	1299	1395	1547	1390	-157

Progress Examinations

A total of 233 progress examinations were written during 2010 – 2011. Apprentices wrote 229 examinations with a pass rate of 73% (166 passed). Non-apprentices, including pre-employment and placement candidates (challenge examinations to determine placement of candidates in the Apprenticeship Program), wrote 4 examinations with a pass rate of 75% (3 passed).

Certification Examinations

A total of 1133 clients wrote certification examinations during 2010 – 2011. Completed apprentices wrote 667 examinations with a pass rate of 71% (475 passed). Trade qualifiers wrote 466 examinations with a pass rate of 65% (303 passed). The success rate for trade qualifiers increases proportionately to the amount of skills upgrade training they receive.

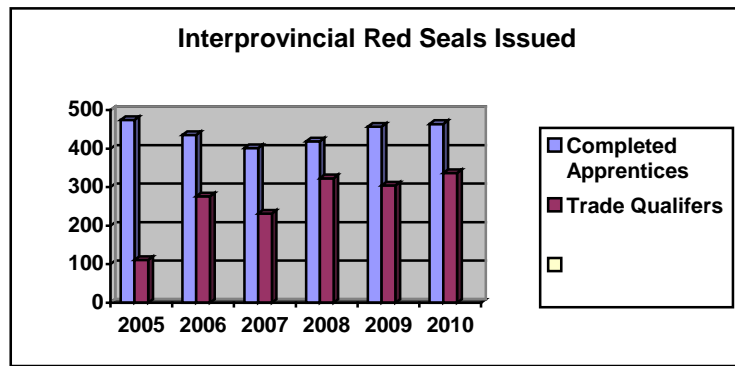


Interprovincial Red Seals Issued

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 802 Interprovincial Red Seals were issued to qualifying candidates during the calendar year 2010. Of this number, completed apprentices received 464 Red Seals and trade qualifiers received 337.

Interprovincial Red Seals Issued 2010 - 2011							
Red Seals Issued (*)	2005	2006	2007	2008	2009	2010	Change from Previous Year
Completed Apprentices	474	435	401	419	457	464	7
Trade Qualifiers	111	276	231	323	304	337	33
Total	585	711	632	742	761	802	41

(*) 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 tables.



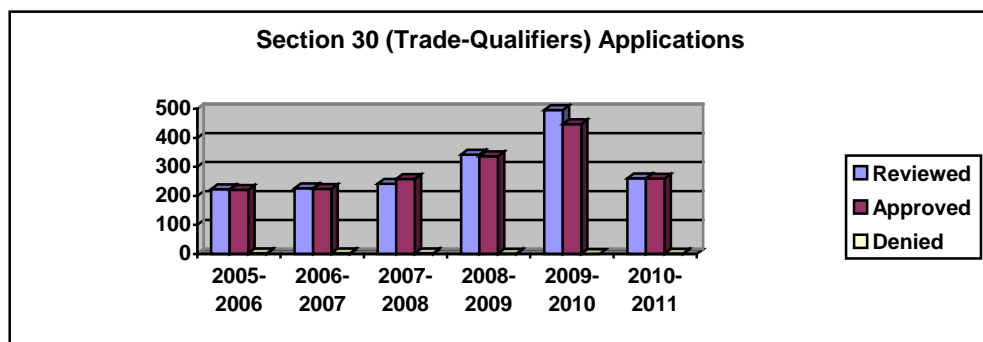
Trade Qualification (Section 30) Applications

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; and
- write and pass the certification examination.

2. During the fiscal year 2010 – 2011, 269 trade qualifiers applied under Section 30 of the General Regulations to write certification examinations. Review Committees assessed 261 and 259 were approved, 1 was denied, 1 was forwarded and 0 applications are pending.

Section 30 (Trade Qualifiers) Applications 2010 - 2011							
Applications	2005 – 2006	2006 – 2007	2007 – 2008	2008 – 2009	2009 – 2010	2010 - 2011	Change from Previous Year
Reviewed	223	226	242	342	496	261	-235
Approved	221	224	258	337	447	259	-188
Denied	2	2	2	1	0	1	1



Trade Qualifiers

A total of 273 trade qualifiers received certification under Section 30 of the General Regulations.

Trade Qualifiers (2010 – 2011)			
Occupation	Trade	Male	Female
Alarm and Security Technician	15	15	0
Automotive Service Technician	8	8	0
Automotive Service Technician – Service Station Mechanic	10	10	0
Baker	2	1	1
Boat Builder	4	4	0
Carpenter	24	24	0
Construction Electrician	2	2	0
Cook	10	5	5
Gas Fitter Tech I	1	1	0
Gas Fitter Tech II	0	0	0
Gas Fitter Tech III	1	1	0
Heavy Duty Equipment Technician	4	4	0
Industrial Electrician	6	6	0
Industrial Mechanic (Millwright)	2	2	0
Instrumentation and Control Technician	1	1	0
Insulator (Heat & Frost)	13	13	0
Ironworker (Generalist)	3	3	0
Ironworker (Structural/Ornamental)	1	1	0
Machinist	4	4	0
Metal Fabricator (Fitter)	2	2	0
Motorcycle Mechanic	5	5	0
Motor Vehicle Repairer (Metal & Paint)	49	49	0
Oil Burner Mechanic	1	1	0
Painter and Decorator	1	1	0
Plumber	0	0	0

Trade Qualifiers (2010 – 2011)			
Occupation	Trade	Male	Female
Sheet Metal Worker	2	2	0
Sprinkler System Installer	0	0	0
Steamfitter – Pipefitter	71	71	0
Tool and Die Maker	1	1	0
Truck and Transport Mechanic	11	11	0
Welder	18	17	1
Total	273	265	8