

**Post-Secondary Enrolments and
Credentials Granted in N.B.
August 2020**



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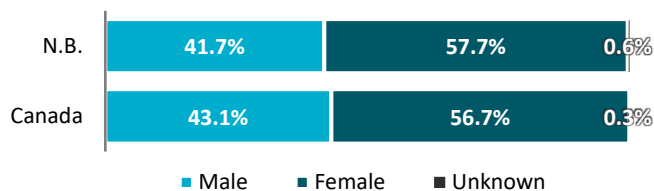
Note: Students enrolled in basic education and skills programs¹ have been excluded from all analysis in this report.

Public Universities

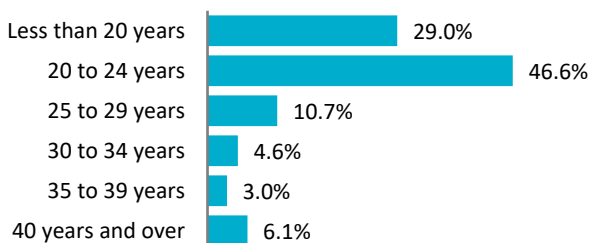
Enrolment²

As of the 2017-2018 academic year, there were 18,891 students enrolled in public universities in New Brunswick. Women accounted for 57.7% of these students. Both male and female university students in the province tended to be less than 25 years of age.

Enrolment in Public Universities by Gender – New Brunswick and Canada – 2017-2018



Enrolment in Public Universities by Age Group – New Brunswick – 2017-2018



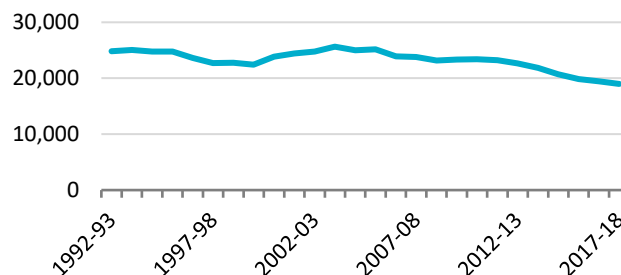
Of the 18,891 students enrolled in public universities in New Brunswick, 16,218 (85.4%) were enrolled full-time. The majority of both full-time and part-time students were studying at the undergraduate level. A breakdown of enrolment by program level can be found in the proceeding table.

Enrolment in Public Universities by Program Level – New Brunswick – 2017-2018

Program Level	Total
Undergraduate qualifying program	153
Bachelor's or equivalent	15,255
Master's or equivalent	2,040
Doctoral or equivalent	513
Non-program ³ - undergraduate	972
Non-program - graduate	45
Total	18,981

Since the early-to-mid 2000s, enrolment in publicly funded universities in New Brunswick has been declining steadily. Between 2003-2004 and 2017-2018, enrolment in New Brunswick universities fell from 25,641 to 18,981, a 26.0% decrease (an average⁴ decrease of 2.1% annually).

Enrolment in Public Universities – New Brunswick



While there are many different ways to measure participation in post-secondary education (each of which having its own advantages and disadvantages), regardless of which metric is used, New Brunswick consistently ranks among the provinces with the lowest university participation rates in Canada. As of 2017-2018, relative to total population size, fewer students were enrolled in universities in New Brunswick than in any other province. While this is in part a reflection of the province's relatively older population, this trend still holds true if enrolment is considered relative to youth (rather than total) population instead.

¹ "Basic education and skills programs" refer to non-postsecondary programs that are offered in postsecondary institutions.

² Source(s): Statistics Canada, Postsecondary Student Information System, Tables 37-10-0011-01, 37-10-0015-01, 37-10-0018-01, and 37-10-0163-01; and Statistics Canada, Annual Demographic Estimates, Table 17-10-0005-01.

³ The "non-program" category includes students registered in educational activities without being registered in a program. It includes students enrolled in courses who have not declared a program of intent.

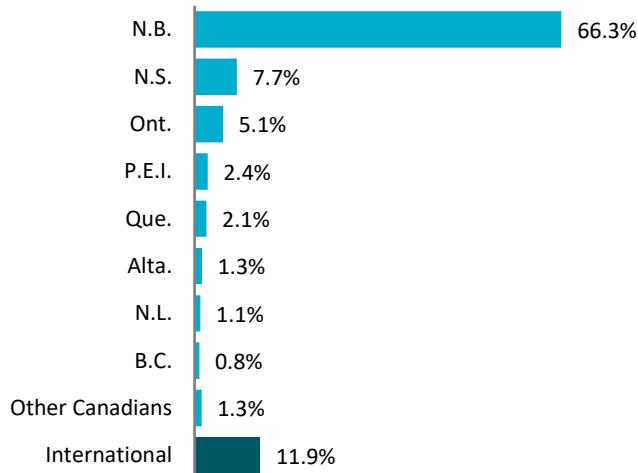
⁴ "Average" growth rates mentioned in this document represent compound annual growth rates.

Enrolment in Public Universities – 2017-2018

	Total	Relative to 2017 Population Size
N.L.	17,835	3.4%
P.E.I.	4,377	2.9%
N.S.	42,786	4.5%
N.B.	18,981	2.5%
Que.	319,671	3.9%
Ont.	533,316	3.8%
Man.	46,593	3.5%
Sask.	37,281	3.2%
Alta.	130,977	3.1%
B.C.	184,614	3.7%
Territories
Total – Canada	1,336,431	3.7%

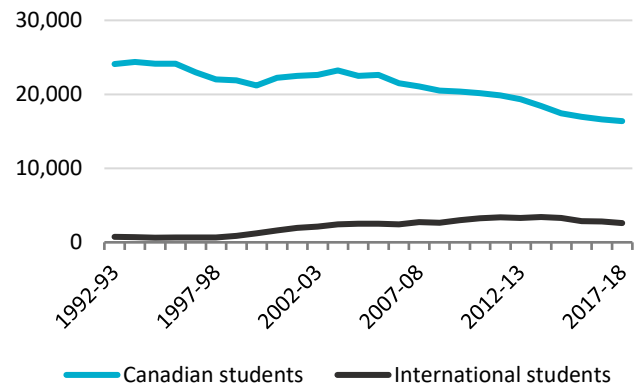
New Brunswick universities' declining enrolment numbers have been driven not only by the province's shrinking youth population, but also by a decline in the numbers of students coming to study in the province from other parts of the country.

Enrolment in New Brunswick Public Universities by Province of Residence – 2017-2018⁵



Furthermore, after having peaked in 2013-2014, the number of international students enrolled in New Brunswick public universities has been gradually declining in recent years.

Enrolment in Public Universities by Status of Student in Canada – New Brunswick



Relative to population size, New Brunswick had the second fewest international university students among the provinces in 2017-2018.

International Student Enrolments in Public Universities – 2017-2018

	Total	Relative to 2017 Population Size
N.L.	2,808	0.5%
P.E.I.	948	0.6%
N.S.	8,454	0.9%
N.B.	2,601	0.3%
Que.	42,888	0.5%
Ont.	72,078	0.5%
Man.	6,690	0.5%
Sask.	4,575	0.4%
Alta.	13,638	0.3%
B.C.	41,046	0.8%
Territories
Total – Canada	195,729	0.5%

In 2017-2018, China, United States, India and Mali were the top sources of international students for New Brunswick universities.⁵

⁵ Source(s): Maritime Provinces Higher Education Commission.

In 2017-2018, 27.2% of university students in New Brunswick were studying in a STEM⁶ program. This was up from 24.3% in 2012-2013 and was on par with the percentage seen at a national level of 28.0%. This increase was in part due to an increase to the number of students in “mathematics and computer and information sciences” related programs. The remaining 72.5% of university students in New Brunswick were enrolled in BHASE⁷ programs (with the final 0.3% in unclassified fields of study).

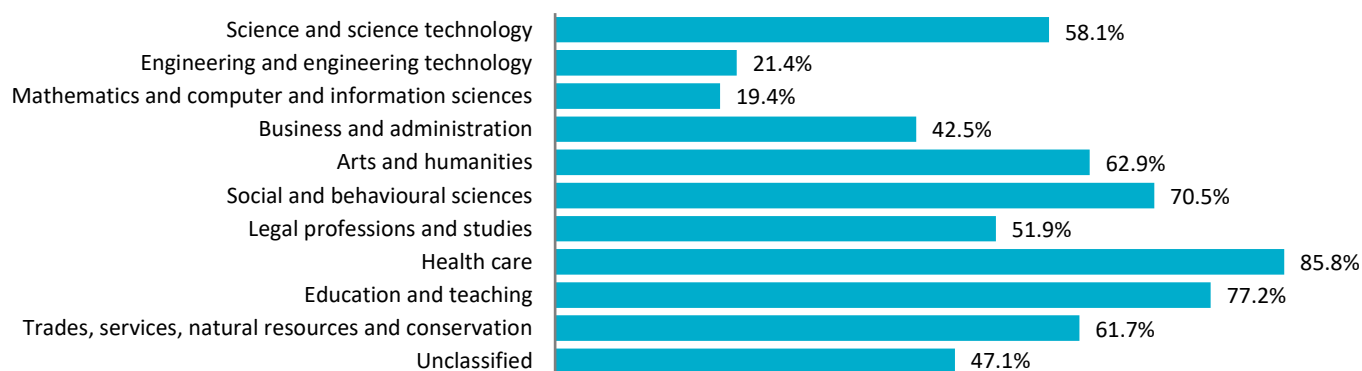
Enrolment in Public Universities by Program Type – New Brunswick and Canada – 2012-2013 and 2017-2018

	New Brunswick		Canada
	2012-2013	2017-2018	2017-2018
STEM	24.3%	27.2%	28.0%
Science and science technology	12.3%	13.6%	13.4%
Engineering and engineering technology	9.4%	9.8%	9.7%
Mathematics and computer and information sciences	2.6%	3.8%	5.0%
BHASE	75.2%	72.5%	71.2%
Business and administration	14.9%	13.4%	16.9%
Arts and humanities	23.5%	20.8%	16.1%
Social and behavioural sciences	8.5%	10.5%	15.1%
Legal professions and studies	1.6%	2.1%	1.8%
Health care	9.9%	8.9%	9.6%
Education and teaching	10.8%	9.8%	5.6%
Trades, services, natural resources and conservation	6.0%	7.0%	6.1%
Unclassified	0.5%	0.3%	0.7%

While overall, women outnumbered men in terms of university enrolment, this did not hold true across all programs:

- Women accounted for 39.5% of enrolment in STEM programs in universities in New Brunswick in 2017-2018. Nationally this percentage was 40.4%.
- The percentage of enrolment in “mathematics, computer and information sciences” related university programs accounted for by women in 2017-2018 was significantly lower in New Brunswick (19.5%) than at a national level (29.5%).
- Women outnumbered men significantly in terms of enrolment in health care related programs in universities. In 2017-2018, women accounted for 85.8% of enrolment in these programs in New Brunswick. Nationally, this percentage was 74.8%.

Percentage of Enrolment Accounted for by Women in Public Universities by Program Type – New Brunswick – 2017-2018



⁶ The STEM category includes fields of study in science, technology, engineering, and mathematics and computer sciences.

⁷ The BHASE category includes fields of study in business, humanities, health, arts, social science, education, legal studies, trades, services, natural resources and conservation.

Credentials Granted⁸

In 2017, a total of 4,629 credentials, such as a certificates, diplomas or degrees, were granted from public universities in New Brunswick. The clear majority of these credentials were degrees.

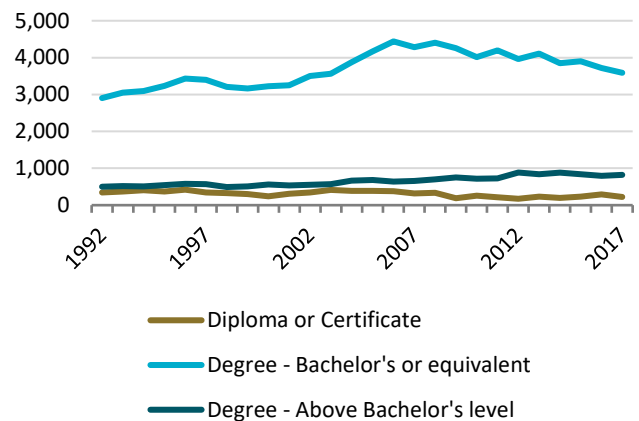
Credentials Granted by Public Universities – New Brunswick – 2017

	Total
Certificate or Diploma	219
Degree	4,410
Bachelor's or equivalent	3,585
Master's or equivalent	750
Doctoral or equivalent	75
Total	4,629

Women account for the majority of university graduates. In 2017, 60.8% of the credentials granted by public universities in New Brunswick were granted to women. This percentage was even higher than the 57.7% share of total enrolment in universities that was accounted for by women. The number of credentials granted to women outnumbered the number of credentials granted to men at every level of education except at the doctoral level.

While the total number of credentials being granted by New Brunswick universities has trended downwards in recent years, the decrease has been slightly less severe than the decrease seen for enrolment totals. Between 2008 and 2017, the number of credentials granted by public universities in New Brunswick fell by 14.9% (an average decrease of 1.8% annually). One reason for this decrease being less severe than the decrease seen for enrolment totals has been an increase in the number of master's degrees granted (+15.2%), since, once admitted into a master's program, the time to receive a degree is typically shorter than most bachelor's degree programs.

Credentials Granted by Public Universities – New Brunswick



Despite the recent increase in master's degrees granted, New Brunswick still ranked near the bottom among the provinces in terms of master's and doctoral degrees granted, both in terms of absolutes and on a relative basis.

Public Colleges

Enrolment⁹

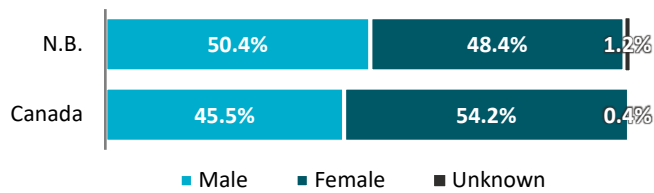
As of the 2017-2018 academic year, there were 7,548 students enrolled in public colleges in New Brunswick (excluding students enrolled in basic education and skills programs, but including 1,518 students enrolled in courses/activities that are not within a program and have no evaluative component). Of these students, 5,754 (76.2%) were enrolled full-time.

While individuals enrolled in colleges tended to be younger (less than 25 years of age), it was much more common for individuals to enrol in college at an older age compared to university. Enrolment in public colleges in New Brunswick was almost evenly split between men and women.

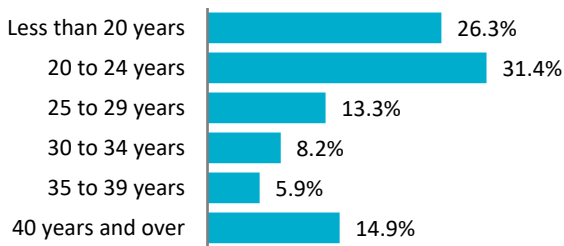
⁸ Source(s): Statistics Canada, Postsecondary Student Information System, Tables 37-10-0012-01 and 37-10-0070-01.

⁹ Source(s): Statistics Canada, Postsecondary Student Information System, Tables 37-10-0011-01, 37-10-0015-01, 37-10-0018-01, and 37-10-0163-01 and Statistics Canada, Annual Demographic Estimates, Table 17-10-0005-01.

Enrolment in Public Colleges by Gender – New Brunswick and Canada – 2017-2018

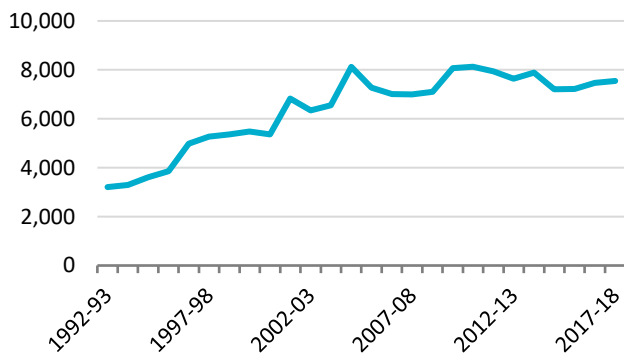


Enrolment in Public Colleges by Age Group – New Brunswick – 2017-2018



After seeing significant growth throughout the 1990s and early-2000s, the number of students enrolled in publicly-funded colleges in New Brunswick has remained relatively stable since this time.

Enrolment in Public Colleges – New Brunswick



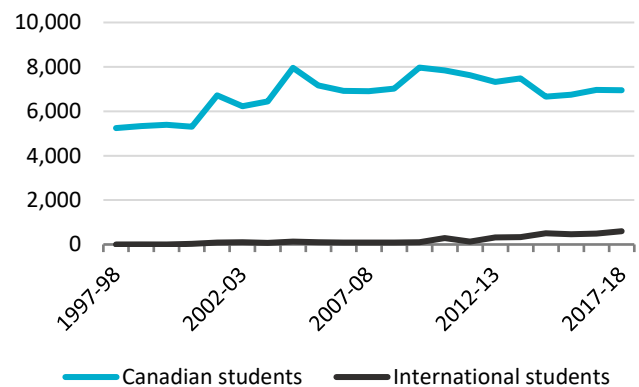
As of 2017-2018, relative to total population, public colleges in New Brunswick had the second lowest enrolment numbers among the provinces.

Enrolment in Public Colleges – 2017-2018

	Total	Relative to 2017 Population Size
N.L.	7,908	1.5%
P.E.I.	2,073	1.4%
N.S.	9,048	1.0%
N.B.	7,548	1.0%
Que.	214,383	2.6%
Ont.	330,615	2.3%
Man.	14,391	1.1%
Sask.	18,879	1.6%
Alta.	51,276	1.2%
B.C.	92,619	1.9%
Territories	3,117	2.6%
Total – Canada	751,857	2.1%

While enrolment levels in New Brunswick public colleges have remained relatively stable since the mid-2000s, they have become slightly more dependent on international students since this time. Between 2005-2006 and 2017-2018, the percentage of enrolment accounted for by international students in New Brunswick public colleges rose from 1.4% to 7.9%.

Enrolment in Public Colleges by Status of Student in Canada – New Brunswick



In 2017-2018, 17.6% of college students in New Brunswick were studying towards a credential in a STEM program. This was down from 18.1% in 2012-2013 and was on par with the percentage seen at a national level of 17.1%. This decrease was, in part, due to a decrease in the number of students in “mathematics and computer and information sciences” related programs. The remaining 81.7% of university students in New Brunswick were enrolled in BHASE programs.

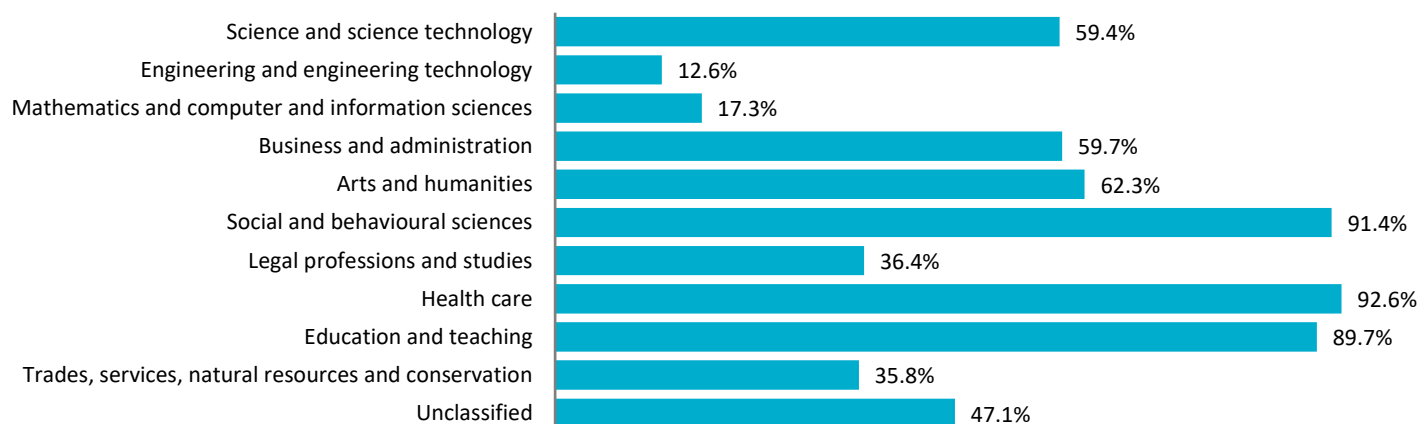
Enrolment in Public Colleges by Program Type – New Brunswick and Canada – 2012-2013 and 2017-2018

	New Brunswick		Canada
	2012-2013	2017-2018	2017-2018
STEM	18.1%	17.6%	17.1%
Science and science technology	1.0%	1.3%	5.5%
Engineering and engineering technology	8.4%	8.5%	7.2%
Mathematics and computer and information sciences	8.8%	7.8%	4.4%
BHASE	81.9%	81.7%	74.6%
Business and administration	14.7%	16.0%	18.4%
Arts and humanities	4.7%	3.1%	17.7%
Social and behavioural sciences	4.5%	5.1%	5.2%
Legal professions and studies	0.2%	0.4%	1.1%
Health care	15.5%	13.4%	12.0%
Education and teaching	0.6%	1.2%	1.7%
Trades, services, natural resources and conservation	41.7%	42.7%	18.6%
Unclassified	..	0.7%	8.3%

While overall, women were slightly outnumbered by men in terms of college enrolment, this varied by program:

- Women accounted for only 17.8% of enrolment in STEM programs in colleges in New Brunswick in 2017-2018. Nationally this percentage was 30.0%.
- The percentage of enrolment in “mathematics, computer and information sciences” related college programs accounted for by women in 2017-2018 was significantly lower in New Brunswick (17.3%) than at a national level (24.7%).
- Women accounted for the vast majority of students enrolled in ‘health care’, ‘social and behavioural sciences’ and ‘education and teaching’ programs in New Brunswick public colleges. Women accounted for a combined 92.1% of students in these programs in New Brunswick public colleges, compared to 82.7% at a national level.

Percentage of Enrolment Accounted for by Women in Public Colleges by Program Type – New Brunswick – 2017-2018

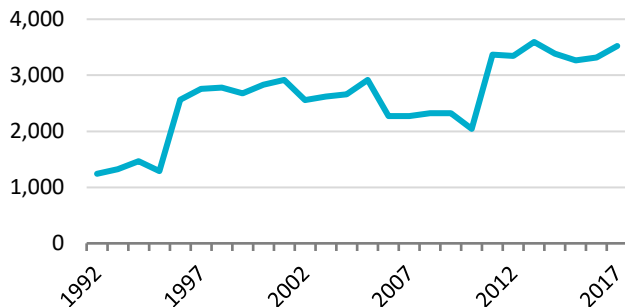


Credentials Granted¹⁰

In 2017, a total of 3,522 credentials (primarily certificates and diplomas) were granted from public colleges in New Brunswick. Of the 3,522 credentials that were granted, 52.3% were granted to males, 46.6% were granted to females, and 1.2% were granted to individuals that fell into the “non-binary or unknown gender” category.

After trending downwards between the 2005 and 2010, the total number of credentials being granted by New Brunswick colleges rose dramatically in 2011. Since that time, this number has remained relatively stable.

Credentials Granted by Public Colleges – New Brunswick



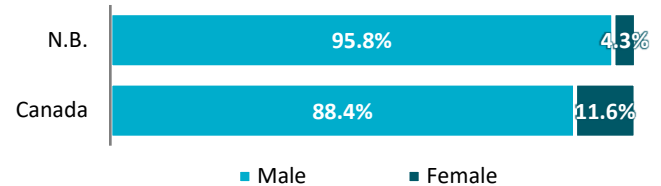
Apprenticeship

Registrations¹¹

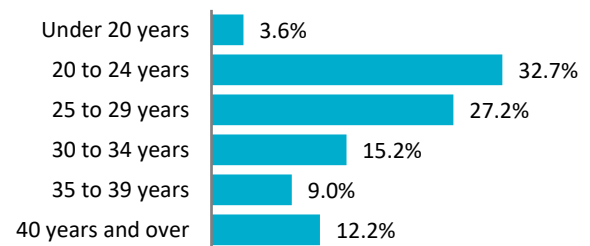
In 2018, 5,772 individuals registered for apprenticeship programs in New Brunswick. This total included 1,233 new registrations. In contrast to universities and colleges, apprenticeship in New Brunswick (and across Canada) is heavily male-dominated. In 2018, men accounted for 95.8% of apprenticeship registrations in the province. At a national level, this percentage was 88.4%. The gap between this percentage in New Brunswick and at a national level was in part driven by the fact that many female-dominated trades, such as hairstyling, esthetics and early childhood education, are not apprenticeable in New Brunswick.

Compared to both university and college students, registered apprentices were, as a whole, relatively older.

Registered Apprentices by Gender – New Brunswick and Canada – 2018

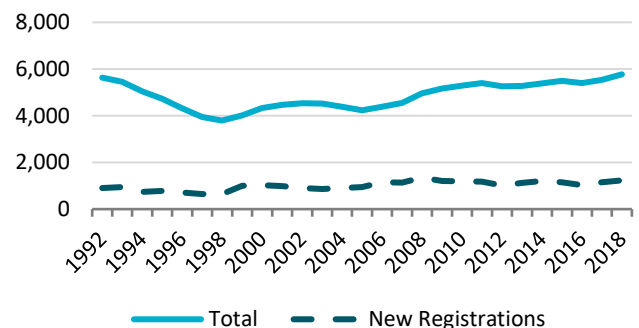


Registered Apprentices by Age Group – New Brunswick – 2018



After declining significantly throughout the 1990s, the number of registered apprentices has been increasing steadily. Between 1998 and 2018, the number of apprenticeship program registrations in New Brunswick rose from 3,792 to 5,772, a 52.2% increase (an average increase of 2.1% annually). During this same time, the number of new registrations per year nearly doubled.

Registered Apprentices – New Brunswick



¹⁰ Source(s): Statistics Canada, Postsecondary Student Information System, Tables 37-10-0012-01 and 37-10-0070-01.

¹¹ Source(s): Statistics Canada, Registered Apprenticeship Information System, Table 37-10-0023-01.

Despite this upward trend, as of 2018, relative to population size, New Brunswick had the second fewest registered apprentices among the provinces.

Registered Apprentices – 2018

	Total	Relative to 2018 Population Size
N.L.	6,654	1.3%
P.E.I.	1,347	0.9%
N.S.	7,956	0.8%
N.B.	5,772	0.7%
Que.	129,567	1.5%
Ont.	96,003	0.7%
Man.	13,386	1.0%
Sask.	9,792	0.8%
Alta.	67,974	1.6%
B.C.	52,470	1.0%
Territories	1,278	1.0%
Total – Canada	392,202	1.1%

While overall New Brunswick had relatively few registered apprentices, the province had among the most millwright and automotive service apprentices relative to population size across Canada. Registration levels in these trades, along with welding, has risen significantly in recent years.

Across most major trade groups in the province, women accounted for only 1% to 4% of registered apprentices. The main exception to this trend was food service apprenticeship programs, in which women accounted for 42% of registrations. In most cases, New Brunswick trailed slightly behind national averages in terms of female representation in any particular major trade group.

Percentage of Apprenticeship Program Registrations Accounted for by Women for Selected Major Trade Groups – New Brunswick – 2018

	N.B.	Canada
Electricians	4%	4%
Automotive service	3%	5%
Plumbers, pipefitters and steamfitters	2%	3%
Carpenters	4%	4%
Millwrights	1%	3%
Welders	8%	8%
Refrigeration and air conditioning mechanics	2%	2%
Heavy equipment and crane operators	1%	3%
Heavy duty equipment mechanics	0%	2%
Exterior finishing	1%	2%
Food service	42%	41%
Hairstylists and estheticians	...	88%
Other	5%	16%

Registered Apprentices by Major Trade Group – New Brunswick and Canada – 2013 and 2018

	New Brunswick		Canada
	2013	2018	2018
Electricians	24.6%	23.1%	17.4%
Automotive service	16.1%	18.1%	9.9%
Plumbers, pipefitters and steamfitters	12.4%	10.8%	11.2%
Carpenters	13.8%	10.2%	11.0%
Millwrights	4.7%	6.7%	3.0%
Welders	4.5%	5.8%	3.2%
Refrigeration and air conditioning mechanics	3.1%	4.0%	2.5%
Heavy equipment and crane operators	1.5%	3.0%	3.3%
Heavy duty equipment mechanics	1.9%	2.5%	3.2%
Exterior finishing	2.4%	2.5%	2.9%
Food service	2.6%	2.3%	5.0%
Hairstylists and estheticians	3.6%
Other	12.3%	10.8%	23.7%

Credentials Granted¹²

In 2018, a total of 1,167 certificates were granted to registered apprentices and trade qualifiers in New Brunswick. While the majority of these certificates were granted to apprentices (639), a significant number of certificates were also granted to trade qualifiers¹³ (504). Among the provinces, only Quebec granted a higher percentage of these certificates to trade qualifiers than New Brunswick.

Certificates Granted to Registered Apprentices and Trade Qualifiers – New Brunswick – 2018

	Apprentice	Trade Qualifier	Total
In Red Seal Trades¹⁴	639	393	1,029
With Endorsement	639	162	798
Without Endorsement	0	231	231
In Non-Red Seal Trades	27	114	135
Total	660	504	1,167

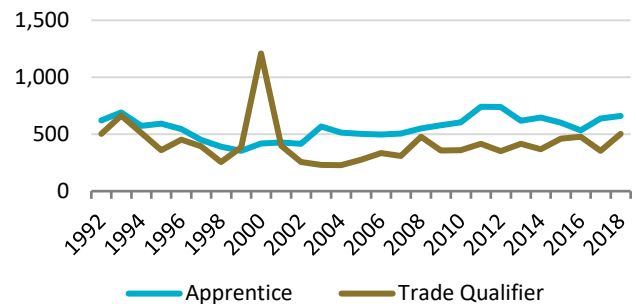
Certificates Granted to Registered Apprentices and Trade Qualifiers — 2018

	Apprentice	Trade Qualifier	Total
N.L.	465	57	519
P.E.I.	120	75	192
N.S.	720	159	879
N.B.	660	504	1,167
Que.	10,164	8,493	18,657
Ont.	11,937	2,244	14,181
Man.	1,275	297	1,572
Sask.	1,359	186	1,548
Alta.	8,265	666	8,931
B.C.	5,400	1,302	6,702
Territories	147	27	174
Total – Canada	40,512	14,010	54,522

In 2018, 96.4% of certificates granted to registered apprentices and trade qualifiers were granted to men, while 3.6% were granted to women. The percentage of certificates that were granted to women was roughly the same for both apprentices (3.6%) and trade qualifiers (4.1%).

After a large decline in the 1990s, the number of certificates granted to apprentices and trade qualifiers in New Brunswick rebounded throughout the first decade of the 2000s. Since 2010, the number of these certificates granted in the province each year has remained relatively stable.

Certificates Granted to Registered Apprentices and Trade Qualifiers – New Brunswick



¹² Source(s): Statistics Canada, Registered Apprenticeship Information System, Table 37-10-0089-01.

¹³ Trade Qualifiers or Trade Challengers are persons who have worked in a specific trade for a number of years, without necessarily having ever been an apprentice, and have chosen to write the required skills assessment examination in their trade.

¹⁴ The Canadian Council of Directors of Apprenticeship and their partners determine which trades are designated as Red Seal trades. Red Seal trades have standardized training and skill assessment requirements across the provinces and territories. In provinces and territories that conduct the standardized examination, the successful candidate will have a Red Seal attached to their provincial or territorial certificate. Non-Red Seal trades do not have standardization practices across the provinces and territories.

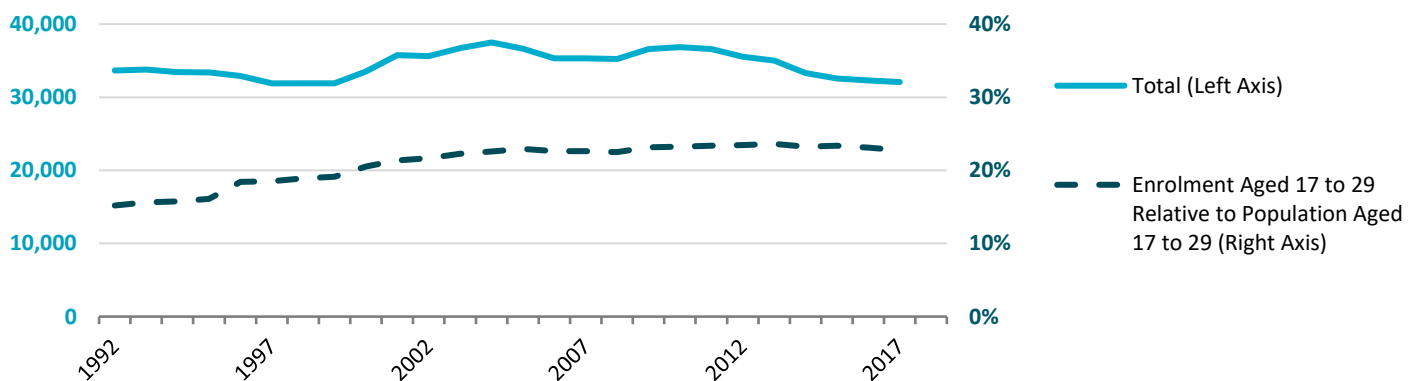
Appendix: Additional Figures

Enrolment/Registration

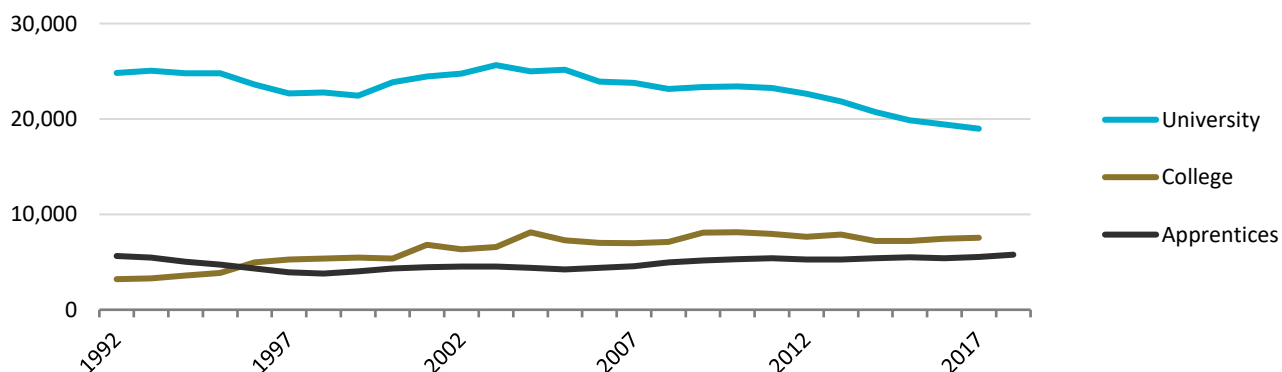
Enrolment/Registration in Public Colleges, Universities and Apprenticeship Programs

	Totals			Relative to Population Size		
	University 2017-18	College 2017-18	Apprentices 2018	University 2017-18	College 2017-18	Apprentices 2018
N.L.	17,835	7,908	6,654	3.4%	1.5%	1.3%
P.E.I.	4,377	2,073	1,347	2.9%	1.4%	0.9%
N.S.	42,786	9,048	7,956	4.5%	1.0%	0.8%
N.B.	18,981	7,548	5,772	2.5%	1.0%	0.7%
Que.	319,671	214,383	129,567	3.9%	2.6%	1.5%
Ont.	533,316	330,615	96,003	3.8%	2.3%	0.7%
Man.	46,593	14,391	13,386	3.5%	1.1%	1.0%
Sask.	37,281	18,879	9,792	3.2%	1.6%	0.8%
Alta.	130,977	51,276	67,974	3.1%	1.2%	1.6%
B.C.	184,614	92,619	52,470	3.7%	1.9%	1.0%
Territories	..	3,117	1,278	...	2.6%	1.0%
Total - Canada	1,336,431	751,857	392,202	3.7%	2.1%	1.1%

Enrolment/Registration in Public Colleges, Universities and Apprenticeship Programs – New Brunswick



Enrolment/Registration in Public Colleges, Universities and Apprenticeship Programs – New Brunswick



Credentials Granted

Post-Secondary Credentials Granted (2018 for Apprentices and Trade Qualifiers; 2017 for Public Universities and Colleges)

	Certificates granted to registered apprentices and trade qualifiers	College or university credentials below bachelor's level	Degree – Bachelor's or equivalent	Degree – Above Bachelor's level
N.L.	519	3,144	2,373	1,065
P.E.I.	192	1,137	690	213
N.S.	879	5,364	7,215	2,520
N.B.	1,167	3,744	3,585	825
Que.	18,657	95,814	37,308	19,170
Ont.	14,181	103,062	89,268	29,709
Man.	1,572	5,469	6,144	1,479
Sask.	1,548	4,503	4,527	1,836
Alta.	8,931	20,082	18,093	5,574
B.C.	6,702	33,090	25,128	7,959
Territories	174	336	15	3
Total - Canada	54,522	275,727	194,343	70,359

Post-Secondary Credentials Granted (2018 for Apprentices and Trade Qualifiers; 2017 for Public Universities and Colleges) – New Brunswick

	Apprentices 2018	University 2017	College 2017
Certificate, diploma, or other credentials below bachelor's level	1,167	219	3,519
Certificates granted to registered apprentices and trade qualifiers	1,167	0	0
College or university credentials below bachelor's level	0	219	3,519
Degree	0	4,410	0
Bachelor's or equivalent	0	3,585	0
Master's or equivalent	0	750	0
Doctoral or equivalent	0	75	0
Total	1,167	4,629	3,519

Post-Secondary Credentials Granted – New Brunswick

