# **TRENDS**

## IN MARITIME HIGHER EDUCATION

Volume 18 Number 1 -Annual Digest- January 2021

# **UNIVERSITY ENROLMENT 2019 - 2020**

In 2019-2020, **70,011** students were enrolled in Maritime universities, up 3.9% over one year and 2.2% over 10 years. 84.5% of students were enrolled at the undergraduate level, while 15.5% were enrolled at the graduate level. Both undergraduate (+3.6%) and graduate (+5.7%) enrolments increased over one year. International students continued to be the primary source of enrolment growth in the region, increasing by 2,715 students, or +20.5%, over the previous year (+141.5% over 10 years). International students accounted for 22.8% of total enrolment in 2019-2020. Programs in *Mathematics, computer and information sciences* (51.5%), *Architecture, engineering and related technologies* (41.4%), and *Business, management, and public administration* (37.8%) had the highest percentage of international students. Top countries of origin for international students were China (4,352), India (4,100) and the United states (664). The number of students from India increased by 713.5% over the past 5 years.

**New Brunswick** enrolment increased by 1.9% to **18,874** students over one year after a 9-year downward trend (-15.1% over 10 years). Enrolment of NB residents increased by 1.7%, while the number of students from other Maritime provinces decreased by 3.8%. There were 1.0% fewer Canadian students from outside the Maritimes. International enrolment increased by 10% over one year.

**Nova Scotia** enrolment increased by 4.6% to **46,383** students over one year (+10.3% over 10 years). Enrolment declined for home province residents (-0.8%), students from other Maritime provinces (-0.4%), and Canadian students from outside the Maritimes (-0.7%). These declines were offset by increasing enrolment of international students, which was up 23.2% from the previous year.

**Prince Edward Island** enrolment increased by 6.3% to **4,754** students over one year (+12.3% over 10 years). Enrolment of PEI residents increased by 2.4%, while the number of students from other Maritime provinces decreased by 3.7%. There were 8.1% more Canadian students from outside the Maritimes. International enrolment increased by 19.2% compared to the previous year.

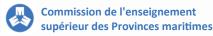
University participation of Maritimers in the Maritimes has been steadily decreasing over the past decade, reaching 21.8% in 2019-2020 (-0.4 percentage point [pp] over one year and -1.7 pp over 10 years). The home province participation rate increased by 0.1 pp in NB, while it decreased by 0.5 pp in NS and 0.8 pp in PEI over one year (-1.5 pp, -1.3 pp and -5.2 pp in NB, NS and PEI over 10 years, respectively).

New Brunswick											
Change Over:		1 year		5 years	10 years						
<b>Total Enrolment</b>	$\blacktriangle$	1.9%	▼	-6.2%	▼	-15.1%					
NB Residents	$\blacktriangle$	1.7%	▼	-7.2%	▼	-22.6%					
Other Maritimers	$\blacksquare$	-3.8%	▼	-9.3%	▼	-17.9%					
Other Canadians	$\blacksquare$	-1.0%		0.4%	▼	-3.3%					
International	$\blacktriangle$	10.0%	▼	-4.0%		39.4%					
Home Province Participation Rate	<b>A</b>	0.1 pp	<b>A</b>	0.3 pp	•	-1.5 pp					

Nova Scotia												
Change Over:		1 year		5 years	10 years							
Total Enrolment	$\blacktriangle$	4.6%		5.3%		10.3%						
NS Residents	▼	-0.8%	▼	-4.9%	▼	-12.9%						
Other Maritimers	▼	-0.4%	▼	-3.5%	▼	-1.9%						
Other Canadians	▼	-0.7%	▼	-9.3%	▼	-1.9%						
International		23.2%		61.1%		174.5%						
Home Province Participation Rate	•	-0.5 pp	•	-0.7 pp	•	-1.3 pp						

Prince Edward Island											
Change Over:		1 year		5 years	10 years						
Total Enrolment	$\blacktriangle$	6.3%		11.3%		12.3%					
PEI Residents	$\blacktriangle$	2.4%	▼	-7.9%	$\blacksquare$	-19.9%					
Other Maritimers	$\blacksquare$	-3.7%	$\blacksquare$	-5.2%	$\blacktriangle$	12.9%					
Other Canadians	$\blacktriangle$	8.1%		8.4%		50.7%					
International	$\blacktriangle$	19.2%		110.2%		249.7%					
Home Province Participation Rate	•	-0.8 pp	•	-3.3 pp	•	-5.2 pp					

Maritimes											
Change Over:		1 year	5 years			10 years					
Total Enrolment	$\blacktriangle$	3.9%		2.3%		2.2%					
NB Residents	$\blacktriangle$	1.1%	▼	-6.7%	•	-19.3%					
NS Residents	$\blacksquare$	-1.1%	▼	-4.9%	•	-12.9%					
PEI Residents	$\blacktriangle$	2.0%	▼	-8.4%	•	-18.0%					
Other Canadians	$\blacksquare$	-0.5%	▼	-7.3%	•	-1.0%					
International	$\blacktriangle$	20.5%		47.9%		141.5%					
Maritime Participation Rate	•	-0.4 pp	•	-0.7 pp	•	-1.7 pp					



ENDOLME.	VIII D.V	UNI	UNDERGRADUATE ENROLMENT									
ENROLMENT BY REGISTRATION STATUS		Enrolment			Cha	nge Over						
		2019-2020	1	year	5	years	10 years					
New Brunswick	Total	16 599		1.8%	▼	-7.4%	•	-16.0%				
	Full-time	14 788		1.0%	$\blacksquare$	-4.6%	$\blacksquare$	-10.7%				
	Part-time	1 811		8.8%	$\blacksquare$	-24.9%	$\blacksquare$	-43.3%				
Nova Scotia	Total	38 329		4.2%		4.1%		8.9%				
	Full-time	33 612		4.4%	$\blacktriangle$	3.9%	$\blacktriangle$	11.0%				
	Part-time	4 717		2.7%	$\blacktriangle$	5.2%	$\blacksquare$	-4.3%				
Prince Edward Island	Total	4 221		5.7%	$\blacktriangle$	9.6%		7.3%				
	Full-time	3 737		6.7%		14.0%		12.5%				
	Part-time	484	$\blacksquare$	-1.2%	$\blacksquare$	-15.7%	$\blacksquare$	-20.9%				
Maritimes	Total	59 149	$\blacktriangle$	3.6%	$\blacktriangle$	0.9%		0.4%				
	Full-time	52 137	$\blacktriangle$	3.6%		2.0%		3.9%				
	Part-time	7 012	$\blacktriangle$	3.9%	$\blacksquare$	-6.1%	$\blacksquare$	-19.7%				

GRADUATE ENROLMENT											
Enrolment			Cha	nge Over							
2019-2020	1 year		5	years	10	) years					
2 275	<b>A</b>	2.1%		3.4%	•	-7.6%					
1 553		9.1%		13.9%	$\blacktriangle$	5.2%					
722	$\blacksquare$	-10.3%	$\blacksquare$	-13.7%	$\blacksquare$	-26.8%					
8 054		6.5%		11.6%		17.4%					
4 991		4.2%	$\blacktriangle$	15.2%	$\blacktriangle$	31.0%					
3 063		10.3%		6.2%		0.3%					
533		11.0%		26.9%		78.3%					
507		6.1%	$\blacktriangle$	31.3%	$\blacktriangle$	128.4%					
26		*		*		*					
10 862	$\blacktriangle$	5.7%	$\blacktriangle$	10.5%	$\blacktriangle$	12.9%					
7 051		5.4%		16.0%		28.0%					
3 811		6.4%		1.5%	▼	-7.4%					

	T	OTAL ENF	ROLI	MENT		
Enrolment			Cha	nge Over		
2019-2020	1	. year	5	years	1	.0 years
18 874		1.9%	$\blacksquare$	-6.2%	$\blacksquare$	-15.1%
16 341		1.8%	$\blacksquare$	-3.1%	$\blacksquare$	-9.4%
2 533		2.6%	$\blacksquare$	-22.0%	$\blacksquare$	-39.4%
46 383		4.6%		5.3%		10.3%
38 603		4.4%		5.3%	$\blacktriangle$	13.3%
7 780		5.5%		5.6%	$\blacksquare$	-2.5%
4 754		6.3%		11.3%		12.3%
4 244		6.6%		15.8%	$\blacktriangle$	19.8%
510		3.7%	$\blacksquare$	-16.1%	$\blacksquare$	-26.0%
70 011		3.9%		2.3%	$\blacktriangle$	2.2%
59 188		3.8%		3.5%	$\blacktriangle$	6.3%
10 823		4.7%	▼	-3.6%	$\blacksquare$	-15.8%

FULL-TIME EQUIVALENTS	FTE			Cha	nge Over		
(FALL TERM)	2019-2020	1	. year	5	years	10	) years
New Brunswick	16 946.60	<b>A</b>	1.7%	▼	-3.8%	•	-10.5%
Nova Scotia	40 444.55		4.5%		5.5%		12.7%
Prince Edward Island	4 336.90		6.6%		15.4%	<b>A</b>	18.4%
Maritimes	61 728.05	<b>A</b>	3.9%		3.4%		5.6%

Table 1: Total Enrolment by Province, Institution, and Registration Status Table 2: Total Undergraduate Enrolment by Province, Institution, and Registration Status Table 3: Total Graduate Enrolment by Province, Institution, and Registration Status

Table 4: Total Fal	l Term Full-Time Eau	ivalent (FTF) h	Province	Institution and R	paistration Status

ENROLMENT BY G	ENDED 1	Enrolment	t Change Over					
EINKOLIVIEINI BY C	IENDEK	2019-2020		1 year		5 years	10	0 years
New Brunswick	Female	10 964		3.4%	•	-3.9%	•	-16.9%
	Male	7 686	•	-0.7%	•	-11.4%	▼	-14.7%
Nova Scotia	Female	26 538	<b>A</b>	3.6%	<b>A</b>	4.4%	<b>A</b>	7.4%
	Male	19 623		5.2%	<b>A</b>	5.5%		13.6%
Prince Edward Island	Female	2 806	<b>A</b>	4.1%	<b>A</b>	5.2%	<b>A</b>	5.9%
	Male	1 881		7.6%	•	17.3%		18.9%
Maritimes	Female	40 308	<b>A</b>	3.6%	<b>A</b>	2.1%	•	-0.6%
	Male	29 190		3.7%	<b>A</b>	1.1%	<b>A</b>	4.8%

	77 DV 4 GT GD GUD <sup>2</sup>	Enrolment			Cha	ange Over		
FULL-TIME ENROLMEN	II BY AGE GROUP	2019-2020	1 year			5 years	1	0 years
New Brunswick	19 or younger	5 394		2.0%		4.8%	$\blacktriangledown$	-9.5%
	20-24 years old	8 202		0.7%	•	-8.7%	$\blacktriangledown$	-8.9%
	25 or older	2 745		4.4%		0.1%	$\blacktriangledown$	-10.7%
Nova Scotia	19 or younger	10 277	<b>A</b>	3.6%	<b>A</b>	0.8%	<b>A</b>	8.3%
	20-24 years old	19 652		2.6%		3.4%	$\blacktriangle$	10.9%
	25 or older	8 673		9.5%		16.0%		26.2%
Prince Edward Island	19 or younger	1 241	<b>A</b>	6.1%		17.2%	<b>A</b>	9.7%
	20-24 years old	2 048		7.4%		17.9%		18.0%
	25 or older	950		5.2%		9.4%		40.3%
Maritimes	19 or younger	16 912	<b>A</b>	3.3%		3.1%	<b>A</b>	2.0%
	20-24 years old	29 902		2.4%		0.6%		5.1%
	25 or older	12 368		8.0%		11.6%		16.4%

<sup>&</sup>lt;sup>2</sup> Students with age "not reported" are excluded

Table 12: Full-time Enrolment by Province, Institution, and Age Group

Table 10: Total Enrolment by Province, Institution, and Gender

<sup>1</sup> Students with gender "not reported" are excluded

### How to read the tables

Enrolment statistics are reported at the provincial and Maritime level for the 2019-2020 fall term. The percent change over one, five and ten years (change since 2018-2019, 2014-2015 and 2009-2010, respectively) is provided to illustrate major trends. \*Percent change is not reported for cells with small n. Below each summary table is the title of a corresponding table on the MPHEC website with a breakdown by university and other variables available at: http://www.mphec.ca/research/maritimeuniversitystatistics/enrolment.aspx

University enrolment is calculated from data in the MPHEC Post-secondary Student Information System (PSIS), which contains detailed information on demographics, programs and courses for all students enrolled in 15 publicly-funded Maritime universities.

Table 11: Total Enrolment by Province, Major Field of Study, and Gender

	UNDERGRADUATE ENROLMENT									
ENROLMENT BY STUDENT ORIGIN	Enrolment			Cha	ange Over					
	2019-2020		1 year		5 years	1	0 years			
New Brunswick	16 599		1.8%	•	-7.4%	▼	-16.0%			
Home Province Residents <sup>3</sup>	11 259	$\blacktriangle$	2.3%	•	-6.7%	$\blacksquare$	-21.7%			
Other Maritimers	1 653	$\blacktriangledown$	-4.2%	•	-9.8%	$\blacksquare$	-18.2%			
Other Canadians	1 839	$\blacktriangledown$	-1.6%	•	-2.1%	▼	-6.0%			
International <sup>4</sup>	1 848		8.3%	•	-13.7%		30.8%			
Nova Scotia	38 329	$\blacktriangle$	4.2%		4.1%		8.9%			
Home Province Residents	17 760	$\blacktriangledown$	-1.4%	•	-5.1%	$\blacksquare$	-13.4%			
Other Maritimers	2 599	$\blacktriangledown$	-1.6%	•	-4.6%	$\blacksquare$	-2.5%			
Other Canadians	7 993	$\blacktriangledown$	-1.1%	•	-14.1%	$\blacksquare$	-5.4%			
International	9 977		23.9%		64.1%		179.4%			
Prince Edward Island	4 221		5.7%		9.6%		7.3%			
Home Province Residents	2 246		0.9%	•	-8.8%	$\blacksquare$	-23.1%			
Other Maritimers	475	•	-2.7%	•	-6.7%		10.2%			
Other Canadians	318		5.6%		2.9%		40.1%			
International	1 182		21.0%		106.6%		233.9%			
Maritimes	59 149	$\blacktriangle$	3.6%		0.9%	$\blacktriangle$	0.4%			
New Brunswick <sup>5</sup>	13 472		1.6%	•	-6.3%	▼	-18.6%			
Nova Scotia	19 293	$\blacktriangledown$	-1.8%	•	-5.2%	•	-13.4%			
Prince Edward Island	3 227	$\blacktriangle$	0.7%	•	-9.7%	•	-20.9%			
Other Canadians	10 150	•	-1.0%	•	-11.7%	•	-4.6%			
International	13 007		21.1%		47.9%		143.7%			

GRADUATE ENROLMENT								
Enrolment	Change Over							
2019-2020		1 year	5	years	1	0 years		
2 275		2.1%	$\blacktriangle$	3.4%	▼	-7.6%		
1 101	•	-4.6%	$\blacksquare$	-12.5%	$\blacksquare$	-31.1%		
129		0.8%	•	-2.3%	▼	-13.4%		
347		2.4%		16.1%		14.1%		
698		15.0%		36.9%		69.0%		
8 054		6.5%		11.6%		17.4%		
3 053		3.2%	•	-3.4%	▼	-10.2%		
585		5.6%	$\blacktriangle$	1.7%		0.9%		
2 319	$\blacktriangle$	0.7%	$\blacktriangle$	12.3%		12.7%		
2 097		19.8%	$\blacktriangle$	48.2%		153.6%		
533		11.0%		26.9%		78.3%		
248		18.1%	$\blacktriangle$	0.8%		27.8%		
50	$\blacktriangledown$	-12.3%	$\blacktriangle$	11.1%		47.1%		
95		17.3%		31.9%		102.1%		
140		6.1%	$\blacktriangle$	145.6%		483.3%		
10 862		5.7%		10.5%		12.9%		
1 519	•	-3.0%	▼	-10.2%	$\blacksquare$	-24.8%		
3 193	$\blacktriangle$	3.3%	•	-2.6%	▼	-9.4%		
454		12.7%	$\blacktriangle$	2.0%		11.5%		
2 761		1.4%		13.3%		14.7%		
2 935		17.9%		48.1%		132.2%		

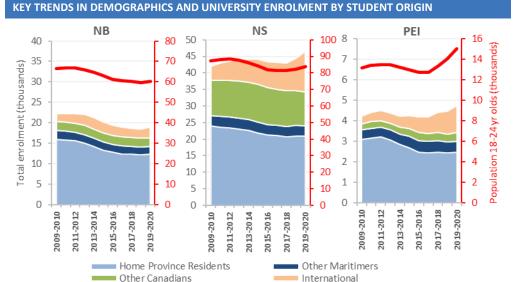
TOTAL ENROLMENT										
Enrolment	Change Over									
2019-2020	1 year			5 years	10 years					
18 874	$\blacktriangle$	1.9%	$\blacksquare$	-6.2%	$\blacksquare$	-15.1%				
12 360		1.7%	$\blacksquare$	-7.2%	•	-22.6%				
1 782	$\blacksquare$	-3.8%	•	-9.3%	•	-17.9%				
2 186	$\blacktriangledown$	-1.0%		0.4%	•	-3.3%				
2 546	$\blacktriangle$	10.0%	$\blacktriangledown$	-4.0%		39.4%				
46 383		4.6%		5.3%		10.3%				
20 813	$\blacktriangledown$	-0.8%	$\blacksquare$	-4.9%	•	-12.9%				
3 184	$\blacktriangledown$	-0.4%	$\blacktriangledown$	-3.5%	•	-1.9%				
10 312	$\blacktriangledown$	-0.7%	$\blacksquare$	-9.3%	$\blacktriangledown$	-1.9%				
12 074		23.2%	$\blacktriangle$	61.1%		174.5%				
4 754		6.3%		11.3%		12.3%				
2 494	$\blacktriangle$	2.4%	$\blacksquare$	-7.9%	$\blacksquare$	-19.9%				
525	$\blacktriangledown$	-3.7%	$\blacktriangledown$	-5.2%		12.9%				
413		8.1%		8.4%		50.7%				
1 322		19.2%		110.2%		249.7%				
70 011		3.9%		2.3%		2.2%				
14 991	$\blacktriangle$	1.1%	$\blacksquare$	-6.7%	•	-19.3%				
22 486	$\blacktriangledown$	-1.1%	•	-4.9%	•	-12.9%				
3 681	$\blacktriangle$	2.0%	•	-8.4%	•	-18.0%				
12 911	$\blacktriangledown$	-0.5%	▼	-7.3%	▼	-1.0%				
15 942		20.5%		47.9%		141.5%				

<sup>&</sup>lt;sup>3</sup> Students enrolled within their permanent province of residence declared at admission; <sup>4</sup> Excludes students enrolled in offshore programs; <sup>5</sup> Provincial residents enrolled at all Maritime universities. Table 5: Enrolment of International Students by Province, Institution, Req. Status, and % of Total Enrolment

Table 9: Total Enrolment by Province of Study, Immigration Status, Province of Residence and Level of Study

UNIVERSITY PARTICIPATION		2019-2020			r			
		2019-2020	1 year		5	years	10 years	
Home Province Participation	NB	17.5%	<b>A</b>	0.1 pp	<b>A</b>	0.3 pp	•	-1.5 pp
Number of students enrolled full-time in a university in their province of	NS	20.3%	•	-0.5 pp	•	-0.7 pp	•	-1.3 pp
residence, divided by the provincial population aged 18-24 <sup>6</sup> .	PEI	14.3%	•	-0.8 pp	•	-3.3 pp	•	-5.2 pp
Maritime Participation								
Number of Maritimers enrolled full-time in a university in the Maritimes, divided by the N population aged 18-24.		21.8%	•	-0.4 pp	•	-0.7 pp	•	-1.7 pp

<sup>&</sup>lt;sup>6</sup> Provincial population data: Statistics Canada. Table 17-10-0005-01 Population estimates on July 1st, by age and sex available at: <a href="https://www150.statcan.qc.ca/t1/tbl1/en/tv.action?pid=1710000501">https://www150.statcan.qc.ca/t1/tbl1/en/tv.action?pid=1710000501</a>. Statistics Canada updates population estimates from time to time, therefore previously published participation rate calculations may change.



Provincial Population [right axis]

ENDOLMENT BY MAJOR FIELD OF STUDY	Enrolment	Change Over						
ENROLMENT BY MAJOR FIELD OF STUDY'	2019-2020	:	1 year		5 years		0 years	
New Brunswick								
Agriculture, natural resources and conservation	485		1.7%		53.5%		57.0%	
Architecture, engineering, and related technologies	1 839	•	-1.7%	•	-14.2%	•	-0.2%	
Business, management and public administration	2 869		0.8%	▼	-9.5%	$\blacktriangledown$	-13.3%	
Education	1 323		10.2%		6.1%	•	-39.7%	
Health and related fields	2 376	▼	-1.4%	•	-13.6%	•	-21.2%	
Humanities <sup>8</sup>	2 990	▼	-1.0%	•	-9.4%	•	-34.5%	
Mathematics, computer and information sciences	840		7.6%		13.2%		85.4%	
Physical and life sciences and technologies <sup>9</sup>	1 898		0.8%	•	-4.1%	•	-3.8%	
Social and behavioural sciences and law	2 521	$\blacktriangle$	3.9%		4.0%		14.3%	
Visual and performing arts	334	•	-1.2%		4.4%	•	-4.3%	
Other/Not Applicable <sup>10</sup>	1 399		9.6%	•	-19.0%	$\blacktriangledown$	-30.4%	
Nova Scotia								
Agriculture, natural resources and conservation	1 223		2.7%	•	-1.1%		5.1%	
Architecture, engineering, and related technologies	4 383		7.8%		31.7%		77.3%	
Business, management and public administration	9 575	$\blacktriangle$	8.6%		3.2%		22.8%	
Education	2 643		4.4%		21.0%	$\blacktriangledown$	-15.2%	
Health and related fields	7 716		1.2%		11.9%		26.0%	
Humanities	4 771	•	-0.4%	•	-17.2%	$\blacktriangledown$	-35.0%	
Mathematics, computer and information sciences	2 506	$\blacktriangle$	16.5%		91.9%		175.4%	
Physical and life sciences and technologies	5 474	$\blacktriangle$	3.5%	•	-0.8%		14.1%	
Social and behavioural sciences and law	5 119	•	-0.6%	•	-6.2%	•	-0.3%	
Visual and performing arts	1 015	$\blacktriangledown$	-3.3%	•	-4.7%	$\blacktriangledown$	-19.2%	
Other/Not Applicable	1 958		14.7%	•	-2.6%	$\blacktriangle$	0.6%	
Prince Edward Island								
Agriculture, natural resources and conservation	89		20.3%		*		*	
Architecture, engineering, and related technologies	244	$\blacktriangledown$	-0.8%		121.8%		190.5%	
Business, management and public administration	891		8.3%		22.6%		16.5%	
Education	358		2.0%		3.8%		6.5%	
Health and related fields	993	$\blacktriangle$	2.9%		21.5%		47.1%	
Humanities	328		1.5%	$\blacktriangledown$	-35.9%	$\blacktriangledown$	-64.3%	
Mathematics, computer and information sciences	274		11.4%		110.8%		197.8%	
Physical and life sciences and technologies	652	$\blacksquare$	-2.4%	•	-12.7%	•	-10.6%	
Social and behavioural sciences and law	715		22.0%		21.6%		106.1%	
Visual and performing arts	36		*		*		*	
Other/Not Applicable	174		17.6%	•	-25.6%	•	-29.3%	

<sup>&</sup>lt;sup>7</sup> Major field of study categories are based on the Classification of Instructional Program (CIP) Canada 2016 primary groupings available at: <a href="https://www.statcan.qc.ca/eng/subjects/standard/cip/2016/index">https://www.statcan.qc.ca/eng/subjects/standard/cip/2016/index</a>; <sup>8</sup> Includes General Arts; <sup>9</sup> Includes General Sciences; <sup>10</sup>"Not applicable" - courses or other educational activities that are not within a program.

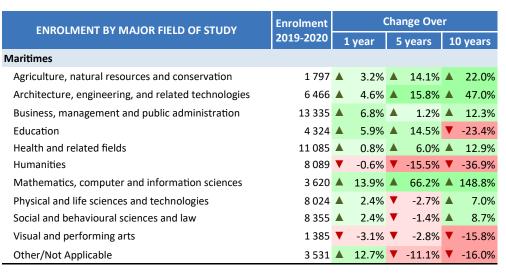
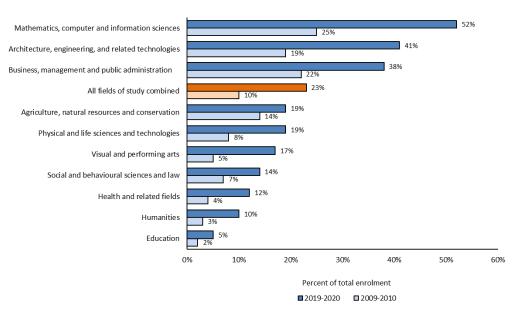


Table 7: Total Enrolment by Province, Major Field of Study, and Level of Study

### INTERNATIONAL STUDENTS AS A SHARE OF TOTAL ENROLMENT BY MAJOR FIELD OF STUDY





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