# TRENDS

## **IN MARITIME HIGHER EDUCATION**

#### Volume 17 Number 1

## -Annual Digest-

### January 2020

## **UNIVERSITY ENROLMENT 2018 - 2019**

In **2018-2019**, **67 364** students were enrolled in Maritime universities, up 2.2% since last year. Undergraduate enrolment increased by 2.2%, and graduate enrolment increased by 2.4%. Enrolment of Maritime residents increased by 0.2%, but there were fewer Canadian students from outside the Maritimes (-2.7%). International enrolment increased by 15% from last year, and international students now comprise 19.6% of all university students in the region, up from 9.6% ten years ago.

In all three provinces, China continues to be the top country of origin for international students. In 2018-2019, 4133 students from China were studying at Maritime universities, representing 31.2% of all international students. India represents 16.8% of international students, the number of students doubled since last year, from 957 to 2219 students. Five years ago, Saudi Arabia was the second largest source of international students: there were 1581 Saudi students in 2013-2014. By 2018-2019, the number of students from Saudi Arabia decreased to 142 (91% drop).

**New Brunswick** experienced a 0.3% decline in total enrolment from last year, down to **18 529** students. Enrolment of NB residents decreased by 1.5%, but the number of international students increased 4.9%. Enrolment of Canadians from outside the Maritimes increased by 0.7%, while enrolment from the two other Maritime provinces decreased by 0.5%. Top countries of origin for international students: China (373), India (154), United States (115)

**Nova Scotia** saw a 3.4% increase in total enrolment since last year to **44 363** students. Enrolment of NS residents increased 1.8%, and international enrolment increased 17.5%. The number of Canadian students from outside the Maritimes decreased 3.2%, and there were 0.9% fewer students from the other Maritime provinces. Top countries of origin for international students: China (3463), India (2024), Bahamas (455)

**Prince Edward Island** enrolment increased by 1.6% to **4 472** students. The increase in total enrolment was driven entirely by international students as their number increased 16.4% from last year, whereas enrolment of PEI residents decreased by 1.3%, other Canadians down 8.2%, and other Maritimers down 3.4%. Top countries of origin for international students: China (297), United States (144), Nigeria (137)

The home province participation rate increased in New Brunswick by 0.3 percentage points over last year, to 17.4%. In Nova Scotia, the rate remained stable at 20.7%. The Prince Edward Island rate decreased by 1.1 percentage points, down to 15.1%.

New Brunswick														
Change Over:		1 year		5 years		10 years								
Total Enrolment	•	-0.3%	▼	-12.7%	▼	-16.7%								
NB Residents		-1.5%	▼	-14.1%	▼	-24.1%								
Other Maritimers	•	-0.5%	▼	-10.0%	▼	-16.3%								
Other Canadians		0.7%	▼	-0.5%	▼	-3.8%								
International		4.9%	▼	-17.2%		35.9%								
Home Province Participation Rate		0.3 pts	▼	-0.4 pts	▼	-1.8 pts								

Nova Scotia													
Change Over:		1 year		5 years		10 years							
<b>Total Enrolment</b>		3.4%		0.3%		7.4%							
NS Residents		1.8%	▼	-7.0%	▼	-11.9%							
Other Maritimers	▼	0.9%	▼	-3.1%	▼	-4.7%							
Other Canadians	▼	-3.2%	▼	-8.5%		0.7%							
International		17.5%		39.9%		156.5%							
Home Province Participation Rate		0.0 pts	▼	-0.5 pts	V	-0.9 pts							
S													

Prince Edward Island													
Change Over:		1 year		5 years		10 years							
Total Enrolment		1.6%		6.1%		8.3%							
PEI Residents	▼	-1.3%	▼	-15.0%	▼	-20.4%							
Other Maritimers	▼	-3.4%		9.0%		33.3%							
Other Canadians	$\blacksquare$	-8.2%		20.5%		15.1%							
International		16.4%		108.9%		236.1%							
Home Province Participation Rate	▼	-1.1 pts	▼	-3.2 pts	▼	-3.6 pts							

Maritimes													
Change Over:	5 years	:	10 years										
Total Enrolment		2.2%	▼	-3.3%	▼	-0.4%							
NB Residents	▼	-1.4%	▼	-12.0%	▼	-20.6%							
NS Residents		1.6%	▼	-6.7%	▼	-11.7%							
PEI Residents	▼	-1.7%	▼	-14.9%	▼	-19.2%							
Other Canadians	▼	-2.7%	▼	-6.6%		0.3%							
International		15.0%		28.0%		125.9%							
Maritime Participation Rate	▼	-0.1 pts	▼	-0.7 pts	▼	-1.5 pts							



Commission de l'enseignement supérieur des Provinces maritimes

	ENROLMENT BY			GRADUAT	re e	NROLME	NT		
ENROLME REGISTRATIO		Enrolment			Cha	ange Over			Enrolment
REGISTRATIO	N STATUS	2018-2019	-	L year	5	5 years	1	0 years	2018-2019
New Brunswick	Total	16 301	▼	-0.5%	▼	-13.4%	▼	-18.4%	2 228
	Full-time	14 636		0.9%	▼	-10.1%	▼	-12.3%	1 423
	Part-time	1 665		-11.0%	▼	-34.6%	$\mathbf{V}$	-49.3%	805
Nova Scotia	Total	36 798		3.5%	▼	-0.4%		6.4%	7 565
	Full-time	32 203		2.3%	▼	-0.8%		9.2%	4 789
	Part-time	4 595		12.5%		2.5%	▼	-9.7%	2 776
Prince Edward Island	Total	3 992		1.6%		2.9%		3.8%	480
	Full-time	3 502		0.1%		4.1%		9.2%	478
	Part-time	490		14.0%	▼	-4.9%	▼	-23.2%	2
Maritimes	Total	57 091		2.2%	▼	-4.3%	▼	-2.2%	10 273
	Full-time	50 341		1.7%	▼	-3.4%		1.9%	6 690
	Part-time	6 750		5.7%	▼	-10.5%	▼	-25.1%	3 583

(	GRA	DUATE E	NR	OLMENT			TOTAL ENROLMENT												
t			Ch	ange Over				Enrolment			Cha	nge Over							
)		1 year		5 years	1	0 years		2018-2019		1 year	5	5 years	1	0 years					
28		0.8%	▼	-7.4%	▼	-1.2%		18 529	▼	-0.3%	▼	-12.7%		-16.7%					
23		3.2%		1.0%	▼	-0.6%		16 059		1.1%	▼	-9.2%	▼	-11.4%					
05	▼	-3.2%	▼	-19.2%	▼	-2.1%		2 470	▼	-8.6%	▼	-30.3%	$\blacksquare$	-39.9%					
65		2.8%		3.9%		12.4%		44 363		3.4%		0.3%		7.4%					
89		3.9%		10.5%		26.4%		36 992		2.5%		0.5%		11.2%					
76		1.1%	▼	-5.9%	▼	-5.6%		7 371		7.9%	▼	-0.8%	▼	-8.2%					
80		2.1%		43.3%		67.8%		4 472		1.6%		6.1%		8.3%					
78		6.0%		49.4%		191.5%		3 980		0.7%		8.0%		18.1%					
2		*		*		*		492		9.6%	▼	-7.2%	▼	-35.3%					
73		2.4%		2.5%		10.8%		67 364		2.2%	▼	-3.3%	▼	-0.4%					
90		3.9%		10.4%		24.2%		57 031		2.0%	▼	-1.9%		4.1%					
83	▼	-0.4%	▼	-9.5%	▼	-7.7%		10 333		3.5%	▼	-10.2%	▼	-19.9%					

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

FULL-TIME ENROLMENT BY AGE GROUP <sup>2</sup>		Enrolment			Change Over							
	I BY AGE GROUP	2018-2019	1 year		5	5 years	1	0 years				
New Brunswick	19 or younger	5 286		1.6%	▼	-5.8%	▼	-8.1%				
	20-24 years old	8 143		0.9%	▼	-11.3%	▼	-11.6%				
	25 or older	2 629		0.5%	▼	-8.9%	▼	-16.4%				
Nova Scotia	19 or younger	9 917		4.0%	▼	-0.2%		3.4%				
	20-24 years old	19 151		0.9%	▼	-1.8%		12.4%				
	25 or older	7 924		4.8%		7.7%		19.5%				
Prince Edward Island	19 or younger	1 170		8.4%		10.9%		5.7%				
	20-24 years old	1 907	▼	-0.7%		5.1%		14.5%				
	25 or older	894		-5.7%		9.7%		49.7%				
Maritimes	19 or younger	16 373		3.5%	▼	-1.4%	▼	-0.5%				
	20-24 years old	29 201		0.8%	▼	-4.2%		4.6%				
	25 or older	11 447		2.9%		3.5%		10.3%				

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

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

FULL-TIME EQUIVALENTS	FTE		Change Over										
(FALL TERM)	2018-2019	1 year	5	5 years	1	0 years							
New Brunswick	16 661.09	0.7%	▼	-9.9%	▼	-12.2%							
Nova Scotia	38 694.67	2.8%		0.6%		10.3%							
Prince Edward Island	4 069.90	1.2%		8.0%		16.1%							
Maritimes	59 425.66	2.1%	▼	-2.2%		3.2%							

Table 4: Total Fall Term Full-Time Equivalent (FTE) by Province, Institution and Registration Status

ENROLMENT BY G	Enrolment							
	ENDER	2018-2019		1 year	5	years	1	0 years
New Brunswick	Female	10 602	▼	-0.4%	▼	-12.1%	▼	-19.9%
	Male	7 738	▼	-2.0%	▼	-15.0%	▼	-13.6%
Nova Scotia	Female	25 610		3.3%		0.7%		4.7%
	Male	18 658		3.4%	▼	-0.5%		11.2%
Prince Edward Island	Female	2 695	▼	-0.2%		2.4%		2.2%
	Male	1 748		3.8%		10.4%		17.1%
Maritimes	Female	38 907		2.0%	▼	-3.1%	▼	-3.5%
	Male	28 144		1.9%	▼	-4.4%		3.4%

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

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

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

#### How to read the tables

Enrolment statistics are reported at the provincial and Maritime level for the 2018-2019 fall term. The percent change over one, five and 10 years (change since 2017-2018, 2013-2014 and 2008-2009, 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 Postsecondary Student Information System (PSIS), which contains detailed information on demographics, programs and courses for all students enrolled in 15 publiclyfunded Maritime universities.

	UN	DERO	GRADUAT	IE E	NROLMEI	NT			GRA	DUATE E	NR	OLMENT			TOTAL ENROLMENT						
ENROLMENT BY STUDENT ORIGIN	Enrolment			Cha	nge Over			Enrolment			Cha	nge Over			Enrolment		(	Cha	nge Over		
	2018-2019	1	year	5	years	1	0 years	2018-2019	1	l year		5 years	1	0 years	2018-2019	1	year	5	years	10	) years
New Brunswick	16 301	▼	-0.5%	▼	-13.4%	▼	-18.4%	2 228		0.8%	▼	-7.4%	▼	-1.2%	18 529	•	-0.3%	▼	-12.7%	▼	-16.7%
Home Province Residents <sup>3</sup>	11 001	•	-1.5%	▼	-14.1%	•	-24.5%	1 154		-1.1%	▼	-14.0%		-19.9%	12 155	•	-1.5%	▼	-14.1%	▼	-24.1%
Other Maritimers	1 725	•	-0.7%	▼	-10.4%		-17.3%	128		3.2%	▼	-3.0%	▼	-0.8%	1 853	▼	-0.5%	▼	-10.0%	▼	-16.3%
Other Canadians	1 868		2.7%	▼	-2.2%	▼	-7.3%	339		-8.9%		9.7%		21.5%	2 207		0.7%	▼	-0.5%	▼	-3.8%
International <sup>4</sup>	1 707		3.0%	▼	-21.4%		31.6%	607		10.8%	▼	-2.4%		49.5%	2 314		4.9%	▼	-17.2%		35.9%
Nova Scotia	36 798		3.5%	▼	-0.4%		6.4%	7 565		2.8%		3.9%		12.4%	44 363		3.4%		0.3%		7.4%
Home Province Residents	18 021		1.8%	▼	-6.6%	▼	-12.1%	2 958		1.8%	▼	-9.5%	▼	-11.2%	20 979		1.8%	▼	-7.0%	▼	-11.9%
Other Maritimers	2 642	▼	-1.2%	▼	-1.9%	▼	-4.3%	554		0.4%	▼	-8.7%	▼	-6.1%	3 196	▼	-0.9%	▼	-3.1%	V	-4.7%
Other Canadians	8 082	▼	-4.0%	▼	-12.8%	▼	-2.0%	2 302		-0.1%		10.6%		11.7%	10 384	▼	-3.2%	▼	-8.5%		0.7%
International	8 053		19.4%		41.7%		162.0%	1 751		9.8%		32.3%		134.1%	9 804		17.5%		39.9%		156.5%
Prince Edward Island	3 992		1.6%		2.9%		3.8%	480		2.1%		43.3%		67.8%	4 472		1.6%		6.1%		8.3%
Home Province Residents	2 226	▼	-1.3%	▼	-16.1%		-22.7%	210		-0.9%	▼	-1.4%		17.3%	2 436	▼	-1.3%	▼	-15.0%	▼	-20.4%
Other Maritimers	488	•	-3.2%		4.9%		27.4%	57		-5.0%		62.9%		119.2%	545	▼	-3.4%		9.0%		33.3%
Other Canadians	301		-6.8%		9.9%		10.3%	81		-12.9%		88.4%		37.3%	382		-8.2%		20.5%		15.1%
International	977		15.2%		100.6%		217.2%	132		25.7%		200.0%		500.0%	1 109		16.4%		108.9%		236.1%
Maritimes	57 091		2.2%	▼	-4.3%	▼	-2.2%	10 273		2.4%		2.5%		10.8%	67 364		2.2%	▼	-3.3%	•	-0.4%
New Brunswick <sup>5</sup>	13 256	▼	-1.4%	▼	-11.9%		-21.1%	1 566	▼	-1.3%	▼	-12.4%	▼	-16.1%	14 822	•	-1.4%	▼	-12.0%	▼	-20.6%
Nova Scotia	19 641		1.6%	$\mathbf{v}$	-6.3%	▼	-11.9%	3 092		2.0%	▼	-8.8%		-10.3%	22 733		1.6%	▼	-6.7%	▼	-11.7%
Prince Edward Island	3 206	•	-1.9%	▼	-16.1%	▼	-21.5%	403	▼	-0.2%	▼	-4.0%		5.8%	3 609	•	-1.7%	▼	-14.9%	▼	-19.2%
Other Canadians	10 251	▼	-3.0%	▼	-10.5%	▼	-2.7%	2 722	▼	-1.7%		11.9%		13.5%	12 973	•	-2.7%	▼	-6.6%		0.3%
International	10 737		16.1%		28.7%		129.5%	2 490		10.8%		25.1%		111.7%	13 227		15.0%		28.0%		125.9%

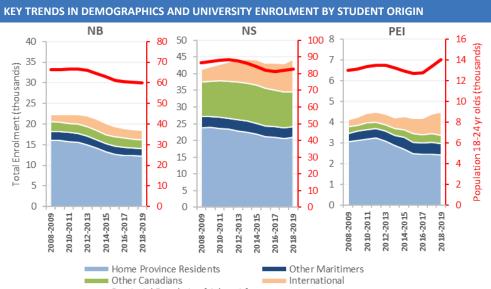
<sup>3</sup> Students enrolled within their permanent province of residence declared at admission; <sup>4</sup> Excludes students enrolled in offshore programs; <sup>5</sup> Provincial residents enrolled at all Maritime universities. Table 5: Enrolment of International Students by Province, Institution,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

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

		2010 2010	Change Over										
UNIVERSITY PARTICIPATION		2018-2019		1 year		5 years	1	0 years					
Home Province Participation	NB	17.4%		0.3 pts	▼	-0.4 pts	▼	-1.8 pts					
Number of students enrolled full-time in a university in their province of	NS	20.7%		0.0 pts	▼	-0.5 pts	▼	-0.9 pts					
residence, divided by the provincial population aged 18-24 <sup>6</sup> .	PEI	15.1%	¥	-1.1 pts	▼	-3.2 pts	▼	-3.6 pts					
Maritime Participation													
Number of Maritimers enrolled full-time in a university in the Maritimes, divided by the N population aged 18-24.		22.2%	•	-0.1 pts	•	-0.7 pts	•	-1.5 pts					

<sup>6</sup> Provincial population data: Statistics Canada. Table 17-10-0005-01 Population estimates on July 1st, by age and sex

Statistics Canada updates population estimates from time to time, therefore previously published participation rate calculations may change.



#### Provincial Population [right axis]

	Enrolment		(	Change Over							
ENROLMENT BY MAJOR FIELD OF STUDY <sup>7</sup>	2018-2019	1	L year	5	5 years	1(	0 years				
New Brunswick								N			
Agriculture, natural resources and conservation	477		4.4%		50.5%		51.4%				
Architecture, engineering, and related technologies	1 870	▼	-1.7%	▼	-12.0%		3.6%				
Business, management and public administration	2 846	▼	-1.1%	▼	-17.4%	▼	-16.4%				
Education	1 201		3.2%	▼	-13.4%	▼	-49.1%				
Health and related fields	2 409		0.3%	▼	-16.1%	▼	-17.1%				
Humanities <sup>8</sup>	3 020	▼	-1.5%	▼	-20.7%	▼	-36.5%				
Mathematics, computer and information sciences	781		6.0%		13.4%		72.8%				
Physical and life sciences and technologies <sup>9</sup>	1 883		1.9%	▼	-11.2%	▼	-1.7%				
Social and behavioural sciences and law	2 427		3.5%		5.8%		16.1%				
Visual and performing arts	338		4.3%	▼	-1.7%	▼	-0.9%				
Other/Not Applicable <sup>10</sup>	1 277	▼	-13.1%	▼	-29.8%	▼	-32.4%				
Nova Scotia								-			
Agriculture, natural resources and conservation	1 191		3.7%	▼	-13.1%		13.3%				
Architecture, engineering, and related technologies	4 065		8.6%		29.6%		75.0%	E			
Business, management and public administration	8 818		1.5%	▼	-4.0%		17.5%				
Education	2 532		7.3%		7.5%	▼	-18.3%				
Health and related fields	7 621		4.0%		13.2%		26.8%				
Humanities	4 792		0.1%	▼	-24.2%	▼	-36.1%				
Mathematics, computer and information sciences	2 151		19.9%		75.7%		124.8%				
Physical and life sciences and technologies	5 288		0.4%	▼	-4.3%		11.9%				
Social and behavioural sciences and law	5 148		1.7%	▼	-5.1%		1.7%				
Visual and performing arts	1 050		2.3%	▼	-2.6%	▼	-17.0%				
Other/Not Applicable	1 707	▼	-0.1%	▼	-8.9%	▼	-5.5%				
Prince Edward Island											
Agriculture, natural resources and conservation	74		23.3%		289.5%		*				
Architecture, engineering, and related technologies	246		9.3%		158.9%		179.5%				
Business, management and public administration	823		2.7%		11.1%		12.3%				
Education	351	▼	-2.2%		24.5%	▼	-6.4%				
Health and related fields	966		2.5%		21.8%		51.6%				
Humanities	324	▼	-19.0%	▼	-46.6%	•	-61.2%				
Mathematics, computer and information sciences	246		29.5%		113.9%		186.0%				
Physical and life sciences and technologies	668	▼	-1.8%	▼	-9.0%	▼	-4.2%				
Social and behavioural sciences and law	586		19.3%		2.8%		51.0%				
Visual and performing arts	42	▼	-4.5%		0.0%		7.7%				
Other/Not Applicable	146	▼	-29.8%	▼	-32.4%	▼	-42.5%				

<sup>7</sup> Major field of study categories are based on the Classification of Instructional Program (CIP) Canada 2016 primary groupings. For more information on CIP 2016 Primary groupings please visit Statistics Canada's website; <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.

ENROLMENT BY MAJOR FIELD OF STUDY	Enrolment	Change Over					
	2018-2019	1	1 year		5 years		10 years
Maritimes							
Agriculture, natural resources and conservation	1 742		4.6%		2.1%		27.5%
Architecture, engineering, and related technologies	6 181		5.3%		15.4%		46.6%
Business, management and public administration	12 487		0.9%	▼	-6.6%		7.2%
Education	4 084		5.2%		1.5%	▼	-30.0%
Health and related fields	10 996		3.1%		5.8%		15.1%
Humanities	8 136	▼	-1.4%	▼	-24.2%	▼	-37.9%
Mathematics, computer and information sciences	3 178		16.8%		56.7%		112.6%
Physical and life sciences and technologies	7 839		0.6%	▼	-6.5%		6.8%
Social and behavioural sciences and law	8 161		3.4%	▼	-1.5%		8.2%
Visual and performing arts	1 430		2.6%	▼	-2.3%	▼	-13.1%
Other/Not Applicable	3 130	▼	-7.5%	▼	-19.9%	▼	-20.7%

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

#### ENROLMENT OF INTERNATIONAL STUDENTS BY COUNTRY OF CITIZENSHIP, SELECT COUNTRIES <sup>11</sup>

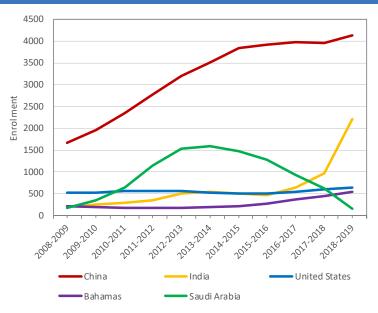


 Table 6: Enrolment of International Students by Province of Study and Country of Citizenship

 <sup>11</sup> Top four source countries in 2018-2019, and Saudi Arabia.



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