

STUDENT PROGRESSION IN THE MARITIME UNIVERSITY SYSTEM

PERSISTENCE AND GRADUATION

JUNE 2015



Measure	Persistence rate
Purpose	<ul style="list-style-type: none"> • Describes the educational pathways of Maritime university students at a broad level. • Measures whether a student re-enrolls at a Maritime university. • Assists in the understanding of student pathways, including movements between institutions.
Definitions	<p>Persistence at the university of first entry (retention rate) Percent of the cohort that re-enrolls at the university of first entry in subsequent years, regardless of registration status or field of study.</p> <p>Persistence at the system-level Percent of the cohort that enrolls in any Maritime university in subsequent years, regardless of registration status or field of study.</p> <p>Notes:</p> <ul style="list-style-type: none"> • Persistence is measured in the fall term. • The student may be enrolled full- or part-time, or on a co-op work term, and/or may have changed programs. • Students who 'stop out' (i.e., leave their studies for a year or more but return) are counted when they re-enrol.
Measure	Graduation rate
Purpose	<ul style="list-style-type: none"> • Describes the educational pathways of Maritime university students at a broad level. • Measures the degree completion rate of first-time full-time students at the Maritime university system level
Definitions	<p>Graduation rate at the university of first entry The percent of the cohort that completed an undergraduate degree at the same institution within x years of first enrolling.</p> <p>Graduation rate at the system-level The percent of the cohort that completed an undergraduate degree at any Maritime institution within x years of first enrolling.</p> <p>Note: The measures are cumulative.</p>
Cohort	
<p>The definition of cohort approximates the population which enters university directly from high school:</p> <ul style="list-style-type: none"> • New student at a Maritime university in the fall term • Aged 19 or less on December 31st in the cohort year • Enrolled full-time in a program leading to a bachelor's degree. Full-time is defined as enrolment in at least 60% of a full course load: <p style="text-align: center;"><i>Number of credits to be considered FT = (Total # program credits/# of semesters) x 0.6</i></p> <p>Note: Students can be part of more than one cohort if they meet the definition at another university in subsequent years. i.e. new at an institution in the fall term, aged 19 years or less.</p>	
MPHEC's Longitudinal PSIS data file	
<p>The measures in this report were created using the MPHEC's Longitudinal PSIS data file. This file includes:</p> <ul style="list-style-type: none"> • 107,780 individual first entry, bachelor students. • 11 cohorts (fall 2001 to fall 2011); approximately 9,800 students per cohort. • At least six years of data for the fall 2001 to fall 2006 cohorts. • Longitudinal information at the system-level across institutions for each student including the first program and the program completed. • Demographic information including gender, age, and student origin 	

Characteristics in Cohort Year 2006
All Maritime Universities Combined

		N	Percent of cohort
Registration status in cohort year ^a	Part-time (not part of cohort for analysis)	244	n/a
	Full-time	9296	100.0%
Gender	Male	3692	39.7%
	Female	5593	60.2%
Region/Province of Origin	New Brunswick	2743	29.5%
	Nova Scotia	3902	42.0%
	Prince Edward Island	678	7.3%
	Maritimes subtotal	7329	78.8%
	Newfoundland and Labrador	126	1.4%
	Quebec	59	0.6%
	Ontario	984	10.6%
	Manitoba	14	0.2%
	Saskatchewan	15	0.2%
	Alberta	153	1.6%
	British Columbia	137	1.5%
	Northwest Territories	9	0.1%
	Yukon	6	0.1%
	Canadian/Permanent Resident outside Canada	95	1.0%
	Canadians, outside Maritimes subtotal	1967	17.3%
International students subtotal	375	4.0%	
Discipline cluster in cohort year ^b	Humanities, Arts and Social Sciences	4353	46.8%
	Physical & Life Sciences and Mathematics	1949	21.0%
	Applied Arts & Sciences / Professional	1700	18.3%
	Commerce and Administration	1294	13.9%
Program Length at first entry	3 years ^c	592	6.4%
	4 years	8287	89.1%
	5 years	417	4.5%

Note: percentages may not sum to 100% due to rounding.

^a Determined in the fall term; part-time students are excluded from the cohort definition.

^b A list of major fields of study comprising each discipline cluster may be found at <http://www.mphec.ca/resources/DisciplineClustersCIP.pdf>

^c At some Nova Scotia institutions students can complete a 3-year Bachelor's degree. In most institutions, for administrative purposes, all students in the Arts and Sciences are pooled in first year in either a 3-year or 4-year degree program regardless of the program they intend to finish. The most common degree completed is a 4-year degree.

Student Progression and Status of the Fall 2006 Cohort over Seven Years

System-level and within-institution status (in the fall term). All Maritime universities combined

All program lengths combined

	No degree, Still Enrolled (Persistence)		Completed Degree (Graduation)		No degree, Not Enrolled	
	At university of first entry	System-level	At university of first entry	System-level	At university of first entry	System-level
n = 9,296						
Cohort year	100%	100%	0%	0%	0%	0%
After 1 year	79%	82%	0%	0%	21%	18%
After 2 years	66%	71%	0%	0%	34%	29%
After 3 years	60%	66%	3%	3%	37%	31%
After 4 years	25%	30%	37%	38%	38%	32%
After 5 years	7%	11%	54%	58%	39%	32%
After 6 years	3%	5%	58%	63%	38%	32%

Three or four year programs in the cohort year.

	No degree, Still Enrolled (Persistence)		Completed Degree (Graduation)		No degree, Not Enrolled	
	At university of first entry	System-level	At university of first entry	System-level	At university of first entry	System-level
n = 8,879						
Cohort year	100%	100%	0%	0%	0%	0%
After 1 year	78%	82%	0%	0%	22%	18%
After 2 years	65%	71%	0%	0%	35%	29%
After 3 years	60%	66%	3%	3%	37%	31%
After 4 years	24%	29%	38%	39%	39%	32%
After 5 years	7%	10%	54%	58%	39%	32%
After 6 years	3%	5%	59%	63%	38%	32%

Five year programs in the cohort year.

	No degree, Still Enrolled (Persistence)		Completed Degree (Graduation)		No degree, Not Enrolled	
	At university of first entry	System-level	At university of first entry	System-level	At university of first entry	System-level
n = 417						
Cohort year	100%	100%	0%	0%	0%	0%
After 1 year	83%	85%	0%	0%	17%	15%
After 2 years	73%	75%	0%	0%	27%	25%
After 3 years	68%	71%	1%	1%	31%	28%
After 4 years	56%	58%	12%	12%	33%	29%
After 5 years	17%	20%	46%	48%	36%	32%
After 6 years	7%	9%	58%	60%	35%	32%

Persistence and graduation rates at the university of first entry and at the system-level. All maritime universities combined.

Persistence after one and two years.

All program lengths combined.

	Cohort year										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Cohort size	9,797	10,009	11,279	9,860	9,659	9,296	9,318	9,664	9,518	9,573	9,807
After one year											
At university of first entry	77.7%	79.2%	79.7%	79.2%	78.4%	78.6%	78.8%	79.0%	79.3%	79.4%	79.7%
Other Maritime University	4.7%	4.1%	3.6%	3.6%	3.8%	3.8%	3.6%	3.6%	3.5%	3.5%	3.1%
System-level	82.4%	83.3%	83.3%	82.9%	82.2%	82.3%	82.4%	82.6%	82.8%	82.9%	82.9%
After two years											
At university of first entry	66.4%	66.7%	67.4%	66.9%	66.2%	65.6%	66.6%	67.2%	67.7%	67.1%	
Other Maritime University	7.0%	6.5%	5.8%	5.9%	5.9%	5.6%	6.0%	6.1%	5.4%	5.4%	
System-level	73.3%	73.2%	73.2%	72.8%	72.1%	71.2%	72.6%	73.3%	73.1%	72.4%	

Six and seven year graduation rates.

All program lengths combined.

	Cohort year					
	2001	2002	2003	2004	2005	2006
Cohort size	9,797	10,009	11,279	9,860	9,659	9,296
6 year graduation rate						
Graduated from university of first entry	58.2%	58.9%	60.0%	59.0%	58.4%	58.5%
Graduated from other Maritime university	6.0%	5.4%	4.9%	4.8%	5.0%	4.7%
System-level	64.2%	64.2%	64.9%	63.8%	63.4%	63.2%
7 year graduation rate						
Graduated from university of first entry	60.1%	60.7%	61.9%	60.9%	60.4%	
Graduated from other Maritime university	6.7%	6.2%	5.4%	5.5%	5.9%	
System-level	66.8%	66.8%	67.2%	66.5%	66.3%	

Persistence after one year by gender.

All program lengths combined.

		Cohort year										
Gender		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Female	Cohort size	5,952	6,101	6,787	5,923	5,854	5,593	5,592	5,825	5,726	5,812	5,908
	At university of first entry	78.2%	80.3%	80.1%	79.7%	78.9%	78.8%	80.2%	79.6%	79.9%	80.5%	79.5%
	Other Maritime University	5.4%	4.7%	4.3%	4.0%	4.2%	4.3%	4.0%	4.2%	4.0%	3.7%	3.6%
	System-level	83.6%	85.0%	84.4%	83.7%	83.2%	83.1%	84.2%	83.8%	83.9%	84.2%	83.1%
Male	Cohort size	3,845	3,908	4,492	3,937	3,804	3,692	3,719	3,817	3,783	3,759	3,898
	At university of first entry	76.9%	77.6%	79.2%	78.6%	77.5%	78.2%	76.9%	78.2%	78.3%	77.7%	80.1%
	Other Maritime University	3.7%	3.1%	2.5%	3.0%	3.1%	3.0%	2.9%	2.8%	2.9%	3.2%	2.5%
	System-level	80.7%	80.7%	81.7%	81.6%	80.7%	81.2%	79.8%	80.9%	81.1%	80.9%	82.6%

Six year graduation rate by gender.

All program lengths combined.

		Cohort year					
Gender		2001	2002	2003	2004	2005	2006
Female	Cohort size	5952	6101	6787	5923	5854	5593
	Graduated from university of first entry	61.4%	62.4%	63.0%	61.9%	61.2%	61.3%
	Graduated from other Maritime university	7.0%	6.4%	5.8%	5.4%	5.2%	5.3%
	System-level	68.4%	68.8%	68.8%	67.3%	66.4%	66.6%
Male	Cohort size	3845	3908	4492	3937	3804	3692
	Graduated from university of first entry	53.3%	53.4%	55.5%	54.6%	54.2%	54.1%
	Graduated from other Maritime University	4.4%	3.8%	3.5%	4.0%	4.7%	3.8%
	System-level	57.8%	57.2%	59.0%	58.6%	58.9%	57.9%

Persistence after one year by discipline cluster.

All program lengths combined.

Discipline Cluster		Cohort year										
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Humanities, Arts and Social Sciences	Cohort size	4,411	4,695	5,421	4,591	4,558	4,353	4,226	4,146	4,182	4,142	4,162
	At university of first entry	72.6%	75.0%	75.6%	74.2%	73.2%	73.5%	73.6%	73.0%	73.4%	72.2%	72.7%
	Other Maritime University	5.6%	4.4%	4.0%	3.9%	4.2%	4.2%	4.3%	4.1%	3.7%	3.9%	3.5%
	System-level	78.2%	79.4%	79.6%	78.1%	77.4%	77.7%	77.9%	77.1%	77.1%	76.1%	76.2%
Physical and Life Sciences and Mathematics	Cohort size	1,919	2,132	2,381	2,083	2,042	1,949	1,957	2,096	2,059	2,246	2,264
	At university of first entry	83.2%	83.0%	82.8%	81.9%	81.7%	81.9%	83.3%	82.3%	82.1%	85.2%	83.3%
	Other Maritime University	5.9%	5.3%	4.7%	4.8%	5.2%	4.6%	3.9%	4.1%	4.7%	4.0%	4.2%
	System-level	89.1%	88.3%	87.5%	86.8%	86.9%	86.6%	87.2%	86.4%	86.8%	89.2%	87.6%
Applied Arts and Science or Professional Program	Cohort size	1,987	1,804	1,936	1,776	1,658	1,700	1,732	1,915	1,916	1,888	2,058
	At university of first entry	83.0%	83.8%	85.3%	86.1%	86.1%	85.8%	84.9%	85.8%	87.5%	87.2%	86.8%
	Other Maritime University	2.2%	2.7%	1.9%	2.3%	1.7%	2.3%	1.8%	2.6%	2.2%	2.2%	1.4%
	System-level	85.2%	86.4%	87.2%	88.4%	87.8%	88.1%	86.7%	88.5%	89.7%	89.4%	88.2%
Commerce and Administration	Cohort size	1,480	1,378	1,541	1,410	1,401	1,294	1,403	1,507	1,361	1,297	1,323
	At university of first entry	78.8%	81.7%	82.5%	83.0%	81.2%	81.0%	81.0%	82.3%	81.6%	81.0%	84.8%
	Other Maritime University	3.9%	2.9%	2.5%	2.8%	3.0%	2.9%	3.1%	3.0%	3.1%	3.4%	2.7%
	System-level	82.6%	84.6%	84.9%	85.7%	84.2%	83.9%	84.0%	85.3%	84.7%	84.3%	87.5%

Six year graduation rate by discipline cluster.

All program lengths combined.

Discipline Cluster		Cohort year					
		2001	2002	2003	2004	2005	2006
Humanities, Arts and Social Sciences	Cohort size	4,411	4,695	5,421	4,591	4,558	4,353
	Graduated from university of first entry	52.1%	52.9%	54.5%	51.7%	51.4%	50.7%
	Graduated from other Maritime university	6.2%	5.9%	4.8%	4.7%	5.0%	5.0%
	System-level	58.3%	58.7%	59.3%	56.5%	56.4%	55.6%
Physical and Life Sciences and Mathematics	Cohort size	1,919	2,132	2,381	2,083	2,042	1,949
	Graduated from university of first entry	63.7%	63.5%	64.2%	62.2%	60.5%	63.3%
	Graduated from other Maritime university	9.0%	7.3%	7.6%	7.4%	8.1%	6.9%
	System-level	72.7%	70.8%	71.8%	69.6%	68.7%	70.1%
Applied Arts and Science or Professional Program	Cohort size	1,987	1,804	1,936	1,776	1,658	1,700
	Graduated from university of first entry	65.0%	66.4%	66.1%	69.9%	69.9%	69.1%
	Graduated from other Maritime university	3.6%	3.0%	2.8%	2.7%	2.5%	2.6%
	System-level	68.6%	69.4%	69.0%	72.6%	72.4%	71.8%
Commerce and Administration	Cohort size	1,480	1,378	1,541	1,410	1,401	1,294
	Graduated from university of first entry	60.3%	62.4%	65.3%	64.1%	64.7%	63.6%
	Graduated from other Maritime University	4.6%	3.7%	3.5%	4.0%	3.4%	3.2%
	System-level	64.9%	66.1%	68.9%	68.1%	68.1%	66.8%

Persistence after one year by student origin.

All program lengths combined.

Student origin		Cohort year										
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Maritimer, Home Province	Cohort size	6,886	6,970	7,042	6,879	6,611	6,331	6,183	6,238	6,233	6,130	6,187
	At university of first entry	77.3%	78.1%	77.7%	78.3%	77.5%	77.2%	77.4%	77.9%	77.7%	78.2%	78.3%
	Other Maritime University	4.4%	4.3%	3.8%	3.7%	3.5%	3.8%	3.8%	3.8%	3.6%	3.8%	3.3%
	System-level	81.6%	82.5%	81.5%	82.0%	81.0%	81.0%	81.2%	81.6%	81.3%	82.0%	81.6%
Maritimer, Outside Home Province	Cohort size	1,215	1,176	1,176	1,053	1,123	992	982	1,013	957	965	1,007
	At university of first entry	76.0%	79.5%	79.7%	80.4%	79.1%	78.5%	78.9%	78.0%	79.9%	79.1%	80.5%
	Other Maritime University	11.1%	7.3%	7.9%	7.2%	9.3%	8.6%	7.1%	7.9%	8.4%	7.2%	7.6%
	System-level	87.2%	86.8%	87.6%	87.7%	88.4%	87.1%	86.0%	85.9%	88.3%	86.2%	88.2%
Canadian, Outside Maritimes	Cohort size	1,356	1,484	2,615	1,548	1,561	1,598	1,739	1,990	1,898	1,934	2,112
	At university of first entry	81.3%	84.3%	85.8%	84.2%	82.2%	83.4%	84.8%	83.7%	83.8%	83.5%	83.2%
	Other Maritime University	1.6%	1.1%	1.3%	1.4%	1.7%	1.5%	1.2%	1.5%	1.3%	1.4%	0.8%
	System-level	83.0%	85.4%	87.1%	85.6%	83.9%	84.9%	86.0%	85.2%	85.1%	85.0%	84.0%
International	Cohort size	340	379	446	380	364	375	414	423	430	544	501
	At university of first entry	78.2%	78.6%	77.1%	72.6%	75.5%	80.3%	75.8%	76.4%	80.9%	78.9%	81.8%
	Other Maritime University	1.8%	0.8%	1.6%	1.6%	0.8%	0.5%	1.2%	1.2%	0.9%	1.5%	1.6%
	System-level	80.0%	79.4%	78.7%	74.2%	76.4%	80.8%	77.1%	77.5%	81.9%	80.3%	83.4%

Six year graduation rate by student origin.

All program lengths combined.

Student origin		Cohort year					
		2001	2002	2003	2004	2005	2006
Maritimer, Home Province	Cohort size	6,886	6,970	7,042	6,879	6,611	6,331
	Graduated from university of first entry	56.9%	56.6%	56.3%	57.5%	56.5%	56.4%
	Graduated from other Maritime university	5.7%	5.5%	5.5%	4.9%	5.0%	4.7%
	System-level	62.5%	62.1%	61.8%	62.3%	61.4%	61.1%
Maritimer, Outside Home Province	Cohort size	1,215	1,176	1,176	1,053	1,123	992
	Graduated from university of first entry	59.9%	61.0%	58.9%	59.2%	61.5%	58.1%
	Graduated from other Maritime university	12.6%	9.7%	9.0%	9.6%	10.1%	10.6%
	System-level	72.5%	70.7%	67.9%	68.8%	71.6%	68.6%
Canadian, Outside Maritimes	Cohort size	1,356	1,484	2,615	1,548	1,561	1,598
	Graduated from university of first entry	64.7%	67.7%	70.6%	67.1%	64.7%	66.8%
	Graduated from other Maritime university	2.4%	2.2%	1.8%	2.1%	2.2%	1.7%
	System-level	67.1%	69.9%	72.4%	69.3%	66.9%	68.5%
International	Cohort size	340	379	446	380	364	375
	Graduated from university of first entry	53.8%	59.6%	59.6%	52.1%	58.0%	58.9%
	Graduated from other Maritime university	2.9%	2.4%	2.5%	2.1%	1.9%	1.6%
	System-level	56.8%	62.0%	62.1%	54.2%	59.9%	60.5%