STUDENT PROGRESSION IN THE MARITIME UNIVERSITY SYSTEM

PERSISTENCE AND GRADUATION

OCTOBER 2019

STATISTICAL TABLES AND METHODOLOGY



DEFINITIONS AND METHODOLOGY

Measure	Persistence rate
Purpose	 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	Persistence at the university of first entry Percent of the cohort that re-enrolls at the university of first entry in subsequent years, regardless of registration status or field of study.
	Persistence at the system-level Percent of the cohort that enrolls at any Maritime university in subsequent years, regardless of registration status or field of study.
	 Notes: 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	 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	Graduation rate at the university of first entry The percent of the cohort that completed an undergraduate degree at the same institution within <i>x</i> years of first enrolling.
	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.
	Note: The measures are cumulative.

Cohort

The definition of cohort approximates the population which enters university directly from high school:

- 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:

Number of credits to be considered FT = (Total # program credits/# of semesters) x 0.6

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.

Discipline Cluster

The Discipline Clusters are based on the Classification of Instructional Programs (CIP) 2016 Primary Groupings as defined by Statistics Canada: http://www23.statcan.gc.ca/imdb/p3VD.pl?Function=getVD&TVD=394056

The following CIP primary groupings have been combined for analysis:

- 'Humanities' and 'Social and behavioural sciences and law' and 'Visual and performing arts, and communication technologies' and 'Other' are combined into 'Humanities, arts and social sciences'.
- 'Agriculture, natural resources and conservation', 'Physical and life sciences and technologies' and 'Mathematics, computer and information sciences' primary groupings into 'Sciences and mathematics'.
- 'Education', 'Architecture, engineering, and related technologies' and 'Health and related fields' are combined into 'Applied and professional programs'.

MPHEC's Longitudinal PSIS data file

The measures in this report were created using the MPHEC's Longitudinal Postsecondary Student Information System (PSIS) data file.

This file includes:

- 153,934 individual first entry, bachelor students.
- 16 cohorts (fall 2001 to fall 2016); over 8,800 students per cohort.
- At least 6 years of data for the fall 2001 to fall 2011 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.

Persistence after one and two years. All Maritime universities combined.

						Cohort Year										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Cohort size	9,799	10,009	11,279	9,860	9,659	9,296	9,318	9,664	9,518	9,573	9,807	9,500	9,550	9,262	8,823	9,017
After one year																
University of first entry	77.8%	79.1%	79.7%	79.2%	78.3%	78.6%	78.8%	79.0%	79.2%	79.3%	79.7%	79.3%	79.9%	80.2%	80.8%	80.5%
Other Maritime University	4.7%	4.1%	3.6%	3.7%	3.8%	3.8%	3.5%	3.6%	3.6%	3.5%	3.2%	3.3%	3.2%	2.6%	2.9%	2.7%
System-level	82.5%	83.3%	83.3%	82.9%	82.2%	82.4%	82.4%	82.6%	82.8%	82.9%	82.9%	82.6%	83.1%	82.8%	83.7%	83.2%
After two years																
University of first entry	67.1%	67.8%	68.8%	68.3%	67.3%	66.6%	67.7%	68.3%	68.6%	67.9%	68.9%	68.6%	69.4%	69.1%	69.8%	
Other Maritime University	7.0%	6.5%	5.8%	5.9%	5.9%	5.7%	6.1%	6.2%	5.5%	5.4%	5.0%	4.6%	4.6%	3.4%	4.3%	
System-level	74.2%	74.4%	74.6%	74.2%	73.3%	72.3%	73.8%	74.5%	74.1%	73.3%	74.0%	73.2%	74.0%	72.5%	74.2%	

Four, five, six and seven year graduation rates. All Maritime universities combined.

						Cohort Year							
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Cohort size	9,799	10,009	11,279	9,860	9,659	9,296	9,318	9,664	9,518	9,573	9,807	9,500	9,550
4 year graduation rate													
University of first entry	37.2%	37.9%	39.1%	37.5%	37.2%	36.6%	38.2%	38.3%	38.8%	39.6%	40.3%	40.7%	40.7%
Other Maritime University	2.3%	2.1%	1.7%	1.7%	1.8%	1.7%	1.7%	1.8%	1.8%	1.9%	1.7%	1.7%	1.4%
System-level	39.5%	40.0%	40.8%	39.2%	39.0%	38.3%	39.9%	40.1%	40.6%	41.5%	42.0%	42.4%	42.1%
5 year graduation rate													
University of first entry	53.3%	53.9%	55.8%	54.6%	53.8%	54.0%	54.7%	55.5%	55.4%	55.3%	56.7%	57.1%	
Other Maritime University	4.7%	4.2%	3.7%	3.7%	3.8%	3.5%	3.6%	3.6%	3.8%	3.9%	3.7%	3.7%	
System-level	58.0%	58.1%	59.5%	58.3%	57.6%	57.5%	58.3%	59.1%	59.2%	59.2%	60.4%	60.8%	
6 year graduation rate													
University of first entry	58.1%	58.8%	60.0%	58.9%	58.3%	58.3%	59.2%	59.7%	59.6%	59.4%	60.8%		
Other Maritime University	6.0%	5.4%	4.8%	4.8%	5.0%	4.7%	4.9%	4.9%	5.0%	5.1%	4.7%		
System-level	64.2%	64.2%	64.8%	63.8%	63.4%	63.1%	64.2%	64.6%	64.7%	64.5%	65.5%		
7 year graduation rate													
University of first entry	60.0%	60.6%	61.8%	60.9%	60.3%	60.0%	61.1%	61.4%	61.2%	61.0%			
Other Maritime University	6.7%	6.2%	5.3%	5.5%	5.9%	5.4%	5.7%	5.7%	5.7%	5.6%			
System-level	66.8%	66.8%	67.2%	66.4%	66.2%	65.5%	66.9%	67.1%	66.9%	66.6%			

Persistence after one year by gender*. All Maritime universities combined.

						Cohort Year	r									
Gender	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
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	5,821	5,819	5,643	5,339	5,401
University of first entry	78.2%	80.2%	80.1%	79.6%	78.9%	78.8%	80.2%	79.6%	79.9%	80.4%	79.5%	79.6%	79.6%	79.8%	80.2%	80.5%
Other Maritime University	5.4%	4.7%	4.3%	4.1%	4.3%	4.3%	4.1%	4.3%	4.1%	3.7%	3.6%	3.6%	3.8%	2.9%	3.4%	3.0%
System-level	83.6%	85.0%	84.4%	83.8%	83.2%	83.1%	84.2%	83.8%	83.9%	84.2%	83.1%	83.2%	83.5%	82.7%	83.6%	83.5%
Male																
Cohort size	3,847	3,908	4,492	3,937	3,804	3,692	3,719	3,817	3,783	3,759	3,898	3,677	3,731	3,613	3,479	3,603
University of first entry	77.3%	77.5%	79.3%	78.7%	77.6%	78.4%	77.0%	78.2%	78.2%	77.7%	80.1%	78.9%	80.2%	80.9%	81.9%	80.5%
Other Maritime University	3.7%	3.2%	2.6%	3.1%	3.2%	3.0%	2.9%	2.8%	2.9%	3.3%	2.6%	2.9%	2.2%	2.2%	1.9%	2.2%
System-level	81.0%	80.7%	81.8%	81.8%	80.8%	81.4%	79.9%	81.0%	81.2%	81.0%	82.7%	81.8%	82.5%	83.1%	83.8%	82.7%

Six year graduation rate by gender*. All Maritime universities 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
University of first entry	61.3%	62.4%	63.0%	61.8%	61.1%	61.2%	62.8%	62.9%	62.9%	63.5%	63.1%
Other Maritime University	7.0%	6.4%	5.8%	5.4%	5.3%	5.4%	5.5%	5.5%	5.8%	5.6%	5.5%
System-level	68.3%	68.8%	68.8%	67.3%	66.4%	66.6%	68.4%	68.4%	68.7%	69.1%	68.6%
Male											
Cohort size	3,847	3,908	4,492	3,937	3,804	3,692	3,719	3,817	3,783	3,759	3,898
University of first entry	53.3%	53.3%	55.5%	54.5%	54.2%	54.1%	53.8%	54.9%	54.7%	53.2%	57.3%
Other Maritime University	4.5%	3.8%	3.5%	4.0%	4.7%	3.8%	4.1%	4.0%	4.0%	4.2%	3.6%
System-level	57.8%	57.2%	59.0%	58.6%	58.9%	57.9%	58.0%	59.0%	58.7%	57.4%	60.9%

^{*}Only students reported as "Male" or "Female" are included in the statistical reports by gender.

Persistence after one year by discipline cluster. All Maritime universities combined.

						Cohort year										
Discipline Cluster	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Humanities, Arts, and Social Sci	ences															
Cohort size	4,487	4,769	5,504	4,654	4,635	4,410	4,268	4,229	4,259	4,212	4,236	3,898	3,613	3,420	3,165	3,222
University of first entry	72.6%	75.1%	75.8%	74.2%	73.4%	73.6%	73.8%	73.1%	73.4%	72.4%	72.9%	71.5%	73.0%	73.0%	73.1%	72.7%
Other Maritime University	5.7%	4.5%	4.1%	4.0%	4.2%	4.3%	4.4%	4.3%	3.8%	4.0%	3.6%	4.3%	4.0%	2.9%	3.6%	3.0%
System-level	78.2%	79.6%	79.9%	78.2%	77.6%	77.9%	78.2%	77.4%	77.3%	76.4%	76.5%	75.8%	76.9%	75.9%	76.7%	75.7%
Sciences and Mathematics																
Cohort size	2,344	2,389	2,589	2,252	2,181	2,085	2,106	2,230	2,191	2,383	2,437	2,491	2,636	2,448	2,332	2,424
University of first entry	82.8%	82.0%	82.2%	81.5%	81.2%	81.6%	83.1%	81.8%	81.8%	84.9%	83.2%	83.8%	82.2%	81.4%	82.6%	83.4%
Other Maritime University	5.1%	5.1%	4.5%	4.9%	5.0%	4.4%	3.7%	3.9%	4.5%	3.9%	4.2%	3.4%	4.0%	3.2%	3.2%	3.3%
System-level	87.9%	87.1%	86.7%	86.4%	86.2%	86.0%	86.8%	85.8%	86.4%	88.8%	87.4%	87.2%	86.2%	84.6%	85.8%	86.7%
Applied or Professional Program	n															
Cohort size	1,394	1,393	1,588	1,478	1,442	1,507	1,541	1,697	1,705	1,680	1,810	1,775	1,830	1,941	1,925	1,921
University of first entry	85.6%	85.9%	86.8%	87.9%	87.3%	87.0%	85.2%	86.8%	88.4%	87.7%	87.3%	86.1%	86.2%	87.8%	87.9%	88.1%
Other Maritime University	2.2%	2.2%	1.7%	2.0%	1.7%	2.3%	1.9%	2.4%	2.2%	2.1%	1.3%	1.6%	1.3%	1.4%	1.8%	1.4%
System-level	87.8%	88.1%	88.5%	89.9%	89.0%	89.3%	87.1%	89.2%	90.6%	89.8%	88.6%	87.8%	87.5%	89.2%	89.7%	89.5%
Business, management and pub	olic adminis	tration														
Cohort size	1,574	1,458	1,598	1,476	1,401	1,294	1,403	1,508	1,363	1,298	1,324	1,336	1,471	1,453	1,401	1,450
University of first entry	78.4%	81.3%	82.5%	83.1%	81.4%	81.2%	81.0%	82.5%	81.7%	81.0%	84.8%	84.7%	84.7%	85.0%	85.5%	83.0%
Other Maritime University	4.0%	3.4%	2.5%	2.8%	3.0%	2.9%	3.1%	3.0%	3.2%	3.4%	2.8%	2.5%	2.4%	2.4%	2.1%	2.6%
System-level	82.4%	84.6%	85.0%	85.9%	84.4%	84.2%	84.1%	85.5%	84.8%	84.4%	87.6%	87.2%	87.1%	87.4%	87.7%	85.5%

Six year graduation rate by discipline cluster. All Maritime universities combined.

						Cohort Year	r				
Discipline Cluster	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Humanities, Arts, and Social Sci	iences										
Cohort size	4,487	4,769	5,504	4,654	4,635	4,410	4,268	4,229	4,259	4,212	4,236
University of first entry	52.3%	53.2%	54.8%	52.1%	51.8%	50.8%	52.5%	52.5%	51.7%	50.7%	52.7%
Other Maritime University	6.2%	5.9%	4.8%	4.7%	5.0%	5.1%	5.1%	5.0%	4.6%	4.4%	4.4%
System-level	58.5%	59.1%	59.6%	56.8%	56.9%	55.9%	57.5%	57.5%	56.3%	55.1%	57.1%
Sciences and Mathematics											
Cohort size	2,344	2,389	2,589	2,252	2,181	2,085	2,106	2,230	2,191	2,383	2,437
University of first entry	62.3%	62.0%	62.7%	61.1%	60.2%	62.2%	63.5%	60.7%	60.7%	62.4%	61.6%
Other Maritime University	8.1%	7.0%	7.3%	7.4%	8.1%	6.9%	6.9%	6.7%	8.5%	8.8%	7.9%
System-level	70.3%	69.0%	70.0%	68.4%	68.3%	69.0%	70.5%	67.4%	69.3%	71.2%	69.5%
Applied or Professional Program	n										
Cohort size	1,394	1,393	1,588	1,478	1,442	1,507	1,541	1,697	1,705	1,680	1,810
University of first entry	68.2%	69.3%	68.4%	72.3%	70.4%	70.8%	68.5%	72.3%	73.1%	71.9%	72.7%
Other Maritime University	3.6%	2.6%	2.6%	2.3%	2.4%	2.5%	3.2%	3.4%	3.0%	2.9%	2.1%
System-level	71.8%	71.9%	71.0%	74.6%	72.8%	73.3%	71.7%	75.7%	76.1%	74.8%	74.8%
Business, management and pub	olic adminis	tration									
Cohort size	1,574	1,458	1,598	1,476	1,401	1,294	1,403	1,508	1,363	1,298	1,324
University of first entry	59.8%	62.1%	65.1%	63.9%	64.7%	63.6%	63.2%	64.3%	65.7%	66.2%	68.7%
Other Maritime University	4.8%	3.9%	3.6%	4.1%	3.4%	3.2%	3.7%	3.8%	3.7%	3.4%	3.8%
System-level	64.6%	66.0%	68.7%	68.0%	68.1%	66.8%	66.9%	68.2%	69.4%	69.6%	72.5%

Persistence after one year by student origin. All Maritime universities combined.

						Cohort year										
Student origin	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Maritime, Home Province																
Cohort size	6,888	6,970	7,042	6,879	6,611	6,331	6,183	6,238	6,233	6,130	6,187	5,921	5,735	5,278	5,162	5,396
University of first entry	77.4%	78.0%	77.7%	78.3%	77.5%	77.2%	77.4%	77.8%	77.6%	78.1%	78.2%	77.2%	77.7%	79.1%	79.7%	79.6%
Other Maritime University	4.4%	4.5%	3.9%	3.8%	3.6%	3.9%	3.9%	3.9%	3.8%	3.8%	3.4%	3.6%	3.6%	3.0%	3.3%	2.9%
System-level	81.8%	82.5%	81.6%	82.1%	81.1%	81.1%	81.3%	81.7%	81.4%	82.0%	81.6%	80.9%	81.3%	82.1%	83.0%	82.6%
Maritimer, Outside Home Prov	ince															
Cohort size	1,215	1,176	1,176	1,053	1,123	992	982	1,013	957	965	1,007	930	969	1,017	931	975
University of first entry	76.1%	79.5%	79.8%	80.3%	79.2%	78.6%	78.9%	78.0%	79.9%	79.1%	80.5%	78.7%	77.5%	78.0%	80.3%	79.8%
Other Maritime University	11.1%	7.3%	7.9%	7.3%	9.3%	8.6%	7.1%	7.9%	8.4%	7.3%	7.6%	8.3%	7.4%	6.6%	6.2%	6.2%
System-level	87.2%	86.8%	87.7%	87.7%	88.5%	87.2%	86.0%	85.9%	88.3%	86.3%	88.2%	87.0%	84.9%	84.6%	86.5%	85.9%
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	2,111	2,202	2,172	1,929	1,722
University of first entry	81.4%	84.3%	85.8%	84.2%	82.3%	83.5%	84.9%	83.8%	83.8%	83.6%	83.2%	84.2%	85.6%	83.1%	82.7%	82.8%
Other Maritime University	1.6%	1.1%	1.4%	1.4%	1.7%	1.5%	1.2%	1.5%	1.3%	1.4%	0.8%	1.0%	1.0%	0.4%	1.0%	0.9%
System-level	83.0%	85.4%	87.2%	85.7%	84.0%	85.0%	86.1%	85.3%	85.1%	85.0%	84.0%	85.2%	86.6%	83.6%	83.7%	83.6%
International Student																
Cohort size	340	379	446	380	364	375	414	423	430	544	501	538	644	795	801	924
University of first entry	78.5%	78.9%	77.4%	73.9%	75.5%	81.1%	75.8%	76.8%	80.9%	78.9%	82.4%	84.0%	82.6%	82.4%	83.9%	82.5%
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%	0.6%	1.1%	0.8%	1.0%	0.6%
System-level	80.3%	79.7%	78.9%	75.5%	76.4%	81.6%	77.1%	78.0%	81.9%	80.3%	84.0%	84.6%	83.7%	83.1%	84.9%	83.1%

Six year graduation rate by student origin. All Maritime universities combined.

						Cohort Year					
Student origin	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Maritimer, Home Province											
Cohort size	6,888	6,970	7,042	6,879	6,611	6,331	6,183	6,238	6,233	6,130	6,187
University of first entry	56.8%	56.6%	56.3%	57.5%	56.3%	56.3%	56.4%	57.2%	56.8%	57.2%	58.0%
Other Maritime University	5.7%	5.5%	5.5%	4.9%	5.1%	4.8%	5.4%	5.4%	5.4%	5.5%	5.1%
System-level	62.5%	62.1%	61.8%	62.3%	61.4%	61.1%	61.8%	62.6%	62.2%	62.7%	63.1%
Maritimer, Outside Home Prov	ince										
Cohort size	1,215	1,176	1,176	1,053	1,123	992	982	1,013	957	965	1,007
University of first entry	59.9%	61.0%	58.9%	59.1%	61.5%	58.1%	61.5%	59.8%	63.2%	59.3%	61.3%
Other Maritime University	12.6%	9.7%	9.0%	9.7%	10.1%	10.6%	8.4%	9.1%	10.9%	9.7%	10.0%
System-level	72.5%	70.7%	67.9%	68.8%	71.6%	68.6%	69.9%	68.9%	74.1%	69.0%	71.3%
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
University of first entry	64.7%	67.6%	70.6%	67.1%	64.7%	66.7%	68.7%	68.3%	66.7%	66.0%	67.8%
Other Maritime University	2.4%	2.3%	1.8%	2.2%	2.2%	1.8%	2.0%	2.1%	1.8%	2.4%	1.6%
System-level	67.1%	69.9%	72.4%	69.3%	66.9%	68.5%	70.7%	70.4%	68.5%	68.4%	69.4%
International Student											
Cohort size	340	379	446	380	364	375	414	423	430	544	501
University of first entry	53.8%	59.6%	59.6%	52.1%	58.0%	58.9%	55.8%	56.5%	60.9%	61.2%	64.9%
Other Maritime University	2.9%	2.4%	2.5%	2.1%	1.9%	1.6%	3.1%	1.4%	2.3%	2.0%	2.6%
System-level	56.8%	62.0%	62.1%	54.2%	59.9%	60.5%	58.9%	57.9%	63.3%	63.2%	67.5%