

STUDENT PROGRESSION IN THE MARITIME UNIVERSITY SYSTEM

PERSISTENCE AND GRADUATION

MAY 2018

STATISTICAL TABLES AND METHODOLOGY



DEFINITIONS AND METHODOLOGY

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 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 at 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"> • 136,094 individual first entry, bachelor students. • 14 cohorts (fall 2001 to fall 2014); approximately 9,700 students per cohort. • At least six years of data for the fall 2001 to fall 2009 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 2009

		N	Percent of cohort
Cohort	First-time, full-time student	9,518	100.0%
Gender ^a	Female	5,726	60.2%
	Male	3,783	39.7%
Region/Province of Origin	New Brunswick	2,798	29.4%
	Nova Scotia	3,687	38.7%
	Prince Edward Island	705	7.4%
	Maritimes subtotal	7,190	75.5%
	Newfoundland and Labrador	73	0.8%
	Quebec	64	0.7%
	Ontario	1,214	12.8%
	Manitoba	25	0.3%
	Saskatchewan	20	0.2%
	Alberta	204	2.1%
	British Columbia	173	1.8%
	Northwest Territories	14	0.1%
	Canadian/Permanent Resident outside Canada	111	1.2%
	Canadians, outside Maritimes subtotal	1,898	19.9%
	International students subtotal	430	4.5%
Discipline cluster in cohort year ^b	Humanities, Arts, and Social Sciences	4,259	44.7%
	Sciences and Mathematics	2,191	23.0%
	Applied and Professional Programs	1,705	17.9%
	Business, management and public administration	1,363	14.3%

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

^a Excludes 'unknown' gender.

^b The Discipline Clusters are based on the Classification of Instructional Programs (CIP) 2011 Primary Groupings as defined by Statistics Canada:

<http://www23.statcan.gc.ca/imdb/p3VD.pl?Function=getVDPPage1&TVD=136268&db=imdb&dis=2&adm=8>

The following CIP primary groupings have been combined for analysis:

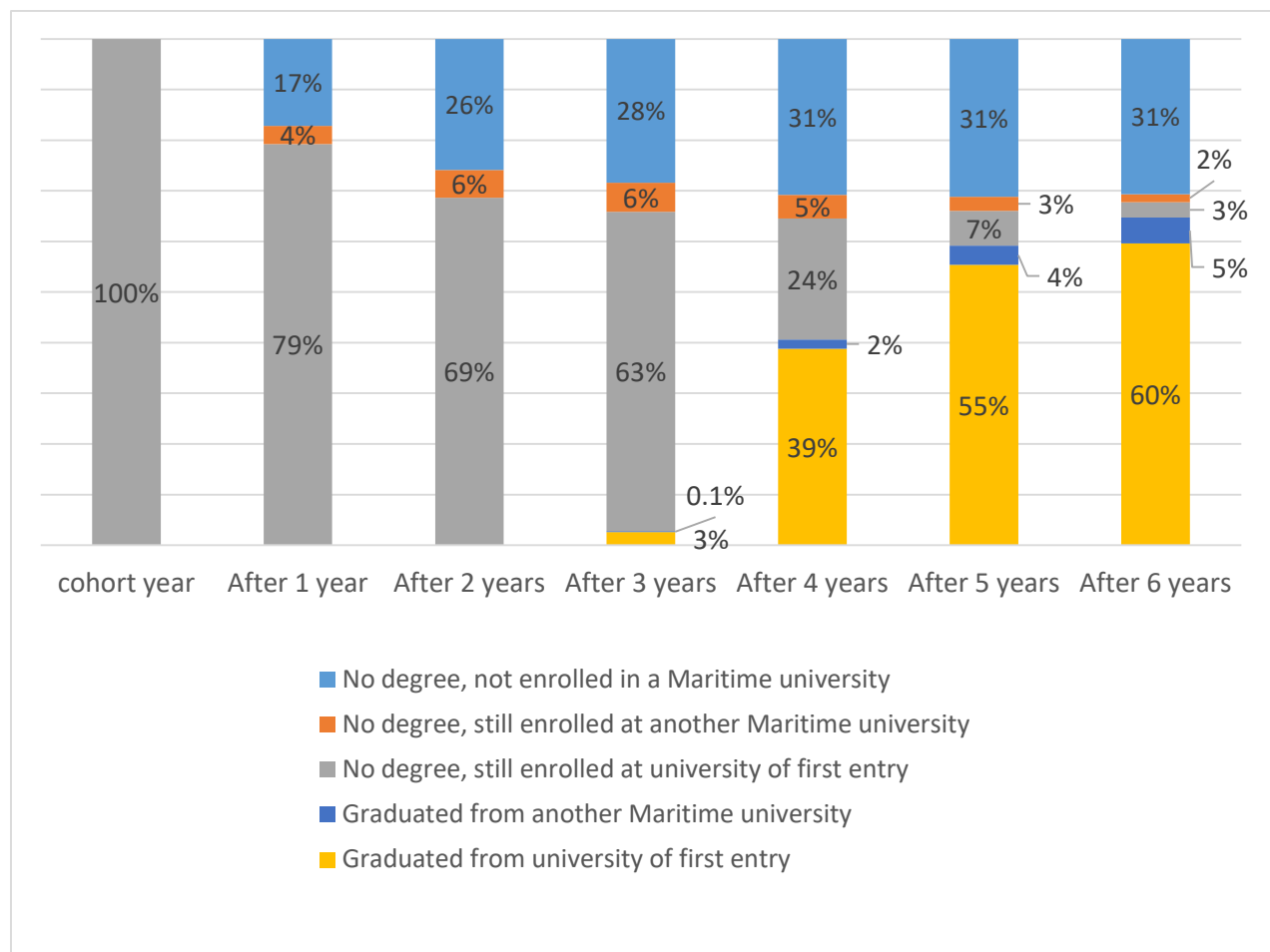
- 'Humanities' and 'Social and behavioural sciences and law' and 'Visual and performing arts, and communication technologies' and 'Other' are combined into '**Humanities, arts and social sciences**'.
- 'Agriculture, natural resources and conservation', 'Physical and life sciences and technologies' and '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**'.

Status of the fall 2009 cohort over seven years

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

n = 9518	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
Cohort year	100%	100%	0%	0%	0%	0%
After 1 year	79%	83%	0%	0%	21%	17%
After 2 years	69%	74%	0%	0%	31%	26%
After 3 years	63%	69%	3%	3%	34%	28%
After 4 years	24%	29%	39%	41%	37%	31%
After 5 years	7%	10%	55%	59%	38%	31%
After 6 years	3%	5%	60%	65%	37%	31%

Student progression of the fall 2009 cohort over seven years



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
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
After one year															
At 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%	79.8%	80.2%
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%	3.1%	2.6%
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%	83.0%	82.8%
After two years															
At 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%	
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%	4.5%	
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%	73.9%	

Six and seven year graduation rates. All Maritime universities combined.

		Cohort Year								
		2001	2002	2003	2004	2005	2006	2007	2008	2009
Cohort size		9,799	10,009	11,279	9,860	9,659	9,296	9,318	9,664	9,518
6 year graduation rate										
Graduate from university of first entry		58.1%	58.8%	60.0%	58.9%	58.3%	58.3%	59.2%	59.7%	59.6%
Graduated from other Maritime university		6.0%	5.4%	4.8%	4.8%	5.0%	4.7%	4.9%	4.9%	5.0%
System-level		64.2%	64.2%	64.8%	63.8%	63.4%	63.1%	64.2%	64.6%	64.7%
7 year graduation rate										
Graduated from university of first entry		60.0%	60.6%	61.8%	60.9%	60.3%	60.0%	61.1%	61.4%	
Graduated from other Maritime university		6.7%	6.2%	5.3%	5.5%	5.9%	5.4%	5.7%	5.7%	
System-level		66.8%	66.8%	67.2%	66.4%	66.2%	65.5%	66.9%	67.1%	

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

		Cohort Year													
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
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
	At 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%
	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%
	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%	83.4%	82.7%
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
	At 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%
	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%
	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%	82.4%	83.1%

Six year graduation rate by gender. All Maritime universities combined.

		Cohort Year								
		2001	2002	2003	2004	2005	2006	2007	2008	2009
Female										
	Cohort size	5,952	6,101	6,787	5,923	5,854	5,593	5,592	5,825	5,726
	Graduate from university of first entry	61.3%	62.4%	63.0%	61.8%	61.1%	61.2%	62.8%	62.9%	62.9%
	Graduated from other Maritime university	7.0%	6.4%	5.8%	5.4%	5.3%	5.4%	5.5%	5.5%	5.8%
	System-level	68.3%	68.8%	68.8%	67.3%	66.4%	66.6%	68.4%	68.4%	68.7%
Male										
	Cohort size	3,847	3,908	4,492	3,937	3,804	3,692	3,719	3,817	3,783
	Graduate from university of first entry	53.3%	53.3%	55.5%	54.5%	54.2%	54.1%	53.8%	54.9%	54.7%
	Graduated from other Maritime university	4.5%	3.8%	3.5%	4.0%	4.7%	3.8%	4.1%	4.0%	4.0%
	System-level	57.8%	57.2%	59.0%	58.6%	58.9%	57.9%	58.0%	59.0%	58.7%

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

		Cohort year													
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Humanities, Arts, and Social Sciences															
	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	3,606	3,416
	At 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%	72.9%	73.0%
	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%	3.9%	2.9%
	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%
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	2,643	2,452
	At 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%
	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%
	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%
Applied or Professional Program															
	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
	At 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%
	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%
	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%
Business, management and public administration															
	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
	At 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%
	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%	2.3%	2.4%
	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%	87.0%	87.4%

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

		Cohort Year								
		2001	2002	2003	2004	2005	2006	2007	2008	2009
Humanities, Arts, and Social Sciences										
	Cohort size	4,487	4,769	5,504	4,654	4,635	4,410	4,268	4,229	4,259
	Graduate from university of first entry	52.3%	53.2%	54.8%	52.1%	51.8%	50.8%	52.5%	52.5%	51.7%
	Graduated from other Maritime university	6.2%	5.9%	4.8%	4.7%	5.0%	5.1%	5.1%	5.0%	4.6%
	System-level	58.5%	59.1%	59.6%	56.8%	56.9%	55.9%	57.5%	57.5%	56.3%
Sciences and Mathematics										
	Cohort size	2,344	2,389	2,589	2,252	2,181	2,085	2,106	2,230	2,191
	Graduate from university of first entry	62.3%	62.0%	62.7%	61.1%	60.2%	62.2%	63.5%	60.7%	60.7%
	Graduated from other Maritime university	8.1%	7.0%	7.3%	7.4%	8.1%	6.9%	6.9%	6.7%	8.5%
	System-level	70.3%	69.0%	70.0%	68.4%	68.3%	69.0%	70.5%	67.4%	69.3%
Applied or Professional Program										
	Cohort size	1,394	1,393	1,588	1,478	1,442	1,507	1,541	1,697	1,705
	Graduate from university of first entry	68.2%	69.3%	68.4%	72.3%	70.4%	70.8%	68.5%	72.3%	73.1%
	Graduated from other Maritime university	3.6%	2.6%	2.6%	2.3%	2.4%	2.5%	3.2%	3.4%	3.0%
	System-level	71.8%	71.9%	71.0%	74.6%	72.8%	73.3%	71.7%	75.7%	76.1%
Business, management and public administration										
	Cohort size	1,574	1,458	1,598	1,476	1,401	1,294	1,403	1,508	1,363
	Graduate from university of first entry	59.8%	62.1%	65.1%	63.9%	64.7%	63.6%	63.2%	64.3%	65.7%
	Graduated from other Maritime university	4.8%	3.9%	3.6%	4.1%	3.4%	3.2%	3.7%	3.8%	3.7%
	System-level	64.6%	66.0%	68.7%	68.0%	68.1%	66.8%	66.9%	68.2%	69.4%

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

		Cohort year													
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
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	5,921	5,735	5,278
	At 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%
	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%
	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%
Maritimer, Outside Home Province															
	Cohort size	1,215	1,176	1,176	1,053	1,123	992	982	1,013	957	965	1,007	930	969	1,017
	At 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%
	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%	7.3%	6.6%
	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%	84.8%	84.6%
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
	At 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%
	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%
	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%
International															
	Cohort size	340	379	446	380	364	375	414	423	430	544	501	538	644	795
	At 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%
	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%
	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%

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

		Cohort Year								
		2001	2002	2003	2004	2005	2006	2007	2008	2009
Maritimer, Home Province										
	Cohort size	6,888	6,970	7,042	6,879	6,611	6,331	6,183	6,238	6,233
	Graduated from university of first entry	56.8%	56.6%	56.3%	57.5%	56.3%	56.3%	56.4%	57.2%	56.8%
	Graduated from other Maritime university	5.7%	5.5%	5.5%	4.9%	5.1%	4.8%	5.4%	5.4%	5.4%
	System-level	62.5%	62.1%	61.8%	62.3%	61.4%	61.1%	61.8%	62.6%	62.2%
Maritimer, Outside Home Province										
	Cohort size	1,215	1,176	1,176	1,053	1,123	992	982	1,013	957
	Graduated from university of first entry	59.9%	61.0%	58.9%	59.1%	61.5%	58.1%	61.5%	59.8%	63.2%
	Graduated from other Maritime university	12.6%	9.7%	9.0%	9.7%	10.1%	10.6%	8.4%	9.1%	10.9%
	System-level	72.5%	70.7%	67.9%	68.8%	71.6%	68.6%	69.9%	68.9%	74.1%
Canadian, Outside Maritimes										
	Cohort size	1,356	1,484	2,615	1,548	1,561	1,598	1,739	1,990	1,898
	Graduate from university of first entry	64.7%	67.6%	70.6%	67.1%	64.7%	66.7%	68.7%	68.3%	66.7%
	Graduated from other Maritime university	2.4%	2.3%	1.8%	2.2%	2.2%	1.8%	2.0%	2.1%	1.8%
	System-level	67.1%	69.9%	72.4%	69.3%	66.9%	68.5%	70.7%	70.4%	68.5%
International										
	Cohort size	340	379	446	380	364	375	414	423	430
	Graduated from university of first entry	53.8%	59.6%	59.6%	52.1%	58.0%	58.9%	55.8%	56.5%	60.9%
	Graduated from other Maritime university	2.9%	2.4%	2.5%	2.1%	1.9%	1.6%	3.1%	1.4%	2.3%
	System-level	56.8%	62.0%	62.1%	54.2%	59.9%	60.5%	58.9%	57.9%	63.3%