

**Fact Book 2023**  
**Marine Institute Module**

**Graduate Notes**

The following table of graduates by program is prepared by Planning and Institutional Analysis at the Marine Institute after graduation data for the past academic year has been reconciled.

Table M1 includes graduates of Marine Institute graduate, undergraduate, and diploma and certificate programs. Marine Institute graduate and undergraduate students convocate at Memorial University Convocation sessions and are also included in Tables S3, S3A, S4, S4A and S4B of the Fact Book. Marine Institute diploma and certificate students graduate at Marine Institute Graduation and are not included in Tables S3, S3A, S4, S4A and S4B of the Fact Book.

Table M1 is reported by academic year rather than by convocation/graduation session.

**Marine Institute - Table M1**  
**Graduates by Academic Year and Program**

	2022/23	2021/22	2020/21	2019/20	2018/19
<b>Doctoral Degree</b>					
Doctor of Philosophy	2	<	<	<	<
<b>Total Doctoral Degree</b>	<b>2</b>	<b>&lt;</b>	<b>&lt;</b>	<b>&lt;</b>	<b>&lt;</b>
<b>Master's Degree</b>					
Master of Applied Ocean Technology	9	3	<	--	--
Master of Marine Studies	19	16	11	18	12
Master of Maritime Management	8	10	7	4	6
Master of Science in Fisheries Science	3	4	6	2	<
Master of Science in Maritime Studies	<	<	<	--	--
Master of Technology Management	42	45	36	30	36
<b>Total Master's Degree</b>	<b>81</b>	<b>78</b>	<b>60</b>	<b>54</b>	<b>54</b>
<b>Graduate Diploma</b>					
Graduate Diploma in Applied Ocean Technology	2	<	<	--	--
Graduate Diploma in Marine Studies	1				
<b>Total Graduate Diploma</b>	<b>3</b>				
<b>Bachelor's Degree</b>					
Bachelor of Maritime Studies	15	20	17	11	27
Bachelor of Technology	151	124	133	145	162
<b>Total Bachelor's Degree</b>	<b>166</b>	<b>144</b>	<b>150</b>	<b>156</b>	<b>189</b>
<b>Undergraduate Certificate</b>					
Certificate in Leadership	<	<	--	--	--
<b>Total Undergraduate Certificate</b>	<b>&lt;</b>	<b>&lt;</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Diploma and Certificate</b>					
Advanced Diploma	4	26	44	37	38
Post-Graduate Certificate	10	13	8	8	7
Diploma of Technology	56	85	82	98	73
Technician Diploma	5	16	6	8	17
Technical Certificate	53	49	25	56	44
<b>Total Diploma and Certificate</b>	<b>128</b>	<b>189</b>	<b>165</b>	<b>207</b>	<b>179</b>
<b>TOTAL Graduate</b>	<b>86</b>	<b>78</b>	<b>60</b>	<b>54</b>	<b>54</b>
<b>TOTAL Undergraduate</b>	<b>166</b>	<b>144</b>	<b>150</b>	<b>156</b>	<b>189</b>
<b>TOTAL Diploma and Certificate</b>	<b>128</b>	<b>189</b>	<b>165</b>	<b>207</b>	<b>179</b>
<b>GRAND TOTAL</b>	<b>380</b>	<b>411</b>	<b>375</b>	<b>417</b>	<b>422</b>

-- Program not yet offered or intake suspended and remaining students have graduated.

< New program with no graduates to date.

For the purposes of this report, the academic year runs from August 1 to July 31. However, as the completion of some program requirements was delayed by the COVID-19 pandemic:

2019/20 includes students who graduated in September 2020,

2020/21 includes students who graduated in September 2021,

2021/22 includes students who graduated in November 2022.

## **Fact Book 2023**

### **Marine Institute Module**

#### **Enrolment Notes**

The following tables of enrolment data are prepared by Planning and Institutional Analysis at the Marine Institute.

Tables M2, M3, M4, and M5 include Fall enrolment in Marine Institute graduate, undergraduate, and diploma and certificate programs. Enrolment data is captured following the last day to drop courses without academic prejudice in the Marine Institute Academic Diary. Undergraduate and graduate programs at the Marine Institute follow the University Diary and may have different add/drop dates.

Marine Institute graduate and undergraduate enrolment is also included in most enrolment tables of the Fact Book. Marine Institute diploma and certificate enrolment is also included in Tables S1 and S2 of the Fact Book. Enrolment in these tables may differ from enrolment in the Marine Institute module as they are captured on different dates and with different processes.

Bachelor of Technology enrolment may include students at partner institution(s). These students follow a different academic diary and may or may not be included in enrolment depending on when they register.

Tables S17 and S18 in previous editions of the Fact Book have included estimates for multiple intakes in some Marine Institute certificate programs. These estimates are no longer included in the Fact Book.

Table M6 includes enrolment, training days and FTEs in industrial response courses for the full academic year. Industrial response courses are short training programs (ranging in duration from half a day to several weeks) offered by the Marine Institute's schools and specialized centres in a variety of disciplines including marine transportation, fishing, aquaculture, and safety, among others. Industrial response courses are delivered in-person and online across the province and Canada.

Industrial response enrolment is not included in other tables of the Fact Book. Please see additional notes about industrial response enrolment with Table M6.

**Marine Institute - Table M2  
Enrolment Summary**

*Following the last day to drop courses without academic prejudice  
in the Marine Institute Academic Diary*

	Fall/2023	Fall/2022	Fall/2021	Fall/2020	Fall/2019
<b>Doctoral Degree</b>					
Doctor of Philosophy	36	35	26	22	12
<b>Total Doctoral Degree</b>	<b>36</b>	<b>35</b>	<b>26</b>	<b>22</b>	<b>12</b>
<b>Master's Degree</b>					
Master of Applied Ocean Technology	41	31	20	16	--
Master of Marine Studies	37	43	50	55	52
Master of Maritime Management	28	27	31	31	29
Master of Science in Fisheries Science	21	24	22	18	16
Master of Science in Maritime Studies	8	7	3	1	--
Master of Technology Management	77	85	114	100	112
<b>Total Master's Degree</b>	<b>212</b>	<b>217</b>	<b>240</b>	<b>221</b>	<b>209</b>
<b>Graduate Diploma</b>					
Graduate Diploma in Applied Ocean Technology	2	8	3	2	--
Graduate Diploma in Marine Studies	20	6	4	2	2
<b>Total Graduate Diploma</b>	<b>22</b>	<b>14</b>	<b>7</b>	<b>4</b>	<b>2</b>
<b>Bachelor's Degree</b>					
Bachelor of Maritime Studies	41	36	58	67	55
Bachelor of Technology <sup>1</sup>	260	310	336	315	299
<b>Total Bachelor's Degree</b>	<b>301</b>	<b>346</b>	<b>394</b>	<b>382</b>	<b>354</b>
<b>Undergraduate Certificate</b>					
Certificate in Leadership	5	3	2	--	--
<b>Total Undergraduate Certificate</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>--</b>	<b>--</b>
<b>Diploma and Certificate</b>					
Advanced Diploma	18	18	30	43	29
Post-Graduate Certificate	6	12	27	20	19
Diploma of Technology	356	369	422	484	493
Technician Diploma	20	23	21	24	26
Technical Certificate <sup>2</sup>	65	75	84	30	81
<b>Total Diploma and Certificate</b>	<b>465</b>	<b>497</b>	<b>584</b>	<b>601</b>	<b>648</b>
<b>TOTAL Graduate</b>	<b>270</b>	<b>266</b>	<b>273</b>	<b>247</b>	<b>223</b>
<b>TOTAL Undergraduate</b>	<b>306</b>	<b>349</b>	<b>396</b>	<b>382</b>	<b>354</b>
<b>TOTAL Diploma and Certificate</b>	<b>465</b>	<b>497</b>	<b>584</b>	<b>601</b>	<b>648</b>
<b>GRAND TOTAL</b>	<b>1,041</b>	<b>1,112</b>	<b>1,253</b>	<b>1,230</b>	<b>1,225</b>

Notes:

<sup>1</sup> Students at partner institution(s) follow a different academic diary and may or may not be included in enrolment reports depending on when they register.

<sup>2</sup> Intake into Technical Certificate programs for 2020-2021 was delayed to Winter/2021.

## Marine Institute - Table M3

### Enrolment by Gender

*Following the last day to drop courses without academic prejudice  
in the Marine Institute Academic Diary*

	Fall/2023				Fall/2022			
	M	F	ND	Total	M	F	ND	Total
<b>Doctoral Degree</b>								
Doctor of Philosophy	20	16		36	20	15		35
<b>Total Doctoral Degree</b>	<b>20</b>	<b>16</b>		<b>36</b>	<b>20</b>	<b>15</b>		<b>35</b>
<b>Master's Degree</b>								
Master of Applied Ocean Technology	27	14		41	21	10		31
Master of Marine Studies	13	24		37	13	30		43
Master of Maritime Management	18	9	1	28	16	10	1	27
Master of Science in Fisheries Science	5	16		21	6	18		24
Master of Science in Maritime Studies	6	2		8	5	2		7
Master of Technology Management	47	29	1	77	57	27	1	85
<b>Total Master's Degree</b>	<b>116</b>	<b>94</b>	<b>2</b>	<b>212</b>	<b>118</b>	<b>97</b>	<b>2</b>	<b>217</b>
<b>Graduate Diploma</b>								
Graduate Diploma in Applied Ocean Technology	2			2	7	1		8
Graduate Diploma in Marine Studies	11	9		20	3	3		6
<b>Total Graduate Diploma</b>	<b>13</b>	<b>9</b>		<b>22</b>	<b>10</b>	<b>4</b>		<b>14</b>
<b>Bachelor's Degree</b>								
Bachelor of Maritime Studies	30	11		41	26	9	1	36
Bachelor of Technology <sup>1</sup>	182	77	1	260	213	95	2	310
<b>Total Bachelor's Degree</b>	<b>212</b>	<b>88</b>	<b>1</b>	<b>301</b>	<b>239</b>	<b>104</b>	<b>3</b>	<b>346</b>
<b>Undergraduate Certificate</b>								
Certificate in Leadership	4	1		5	2	1		3
<b>Total Undergraduate Certificate</b>	<b>4</b>	<b>1</b>		<b>5</b>	<b>2</b>	<b>1</b>		<b>3</b>
<b>Diploma and Certificate</b>								
Advanced Diploma	5	13		18	6	12		18
Post-Graduate Certificate	3	3		6	7	5		12
Diploma of Technology	272	83	1	356	289	76	4	369
Technician Diploma	17	3		20	21	2		23
Technical Certificate	63	2		65	68	6	1	75
<b>Total Diploma and Certificate</b>	<b>360</b>	<b>104</b>	<b>1</b>	<b>465</b>	<b>391</b>	<b>101</b>	<b>5</b>	<b>497</b>
<b>TOTAL Graduate</b>	<b>149</b>	<b>119</b>	<b>2</b>	<b>270</b>	<b>148</b>	<b>116</b>	<b>2</b>	<b>266</b>
<b>TOTAL Undergraduate</b>	<b>216</b>	<b>89</b>	<b>1</b>	<b>306</b>	<b>241</b>	<b>105</b>	<b>3</b>	<b>349</b>
<b>TOTAL Diploma and Certificate</b>	<b>360</b>	<b>104</b>	<b>1</b>	<b>465</b>	<b>391</b>	<b>101</b>	<b>5</b>	<b>497</b>
<b>GRAND TOTAL</b>	<b>725</b>	<b>312</b>	<b>4</b>	<b>1,041</b>	<b>780</b>	<b>322</b>	<b>10</b>	<b>1,112</b>

Notes:

Male, Female, and Not Disclosed

<sup>1</sup> Students at partner institution(s) follow a different academic diary and may or may not be included in enrolment reports depending on when they register.

## Marine Institute - Table M4

### Enrolment by Residence

*Following the last day to drop courses without academic prejudice  
in the Marine Institute Academic Diary*

	Fall/2023				Fall/2022			
	C	P	F	Total	C	P	F	Total
<b>Doctoral Degree</b>								
Doctor of Philosophy	20	1	15	36	18	1	16	35
<b>Total Doctoral Degree</b>	<b>20</b>	<b>1</b>	<b>15</b>	<b>36</b>	<b>18</b>	<b>1</b>	<b>16</b>	<b>35</b>
<b>Master's Degree</b>								
Master of Applied Ocean Technology	10		31	41	5		26	31
Master of Marine Studies	32	1	4	37	38	1	4	43
Master of Maritime Management	26	1	1	28	25		2	27
Master of Science in Fisheries Science	16		5	21	20		4	24
Master of Science in Maritime Studies	4		4	8	3		4	7
Master of Technology Management	61	11	5	77	64	14	7	85
<b>Total Master's Degree</b>	<b>149</b>	<b>13</b>	<b>50</b>	<b>212</b>	<b>155</b>	<b>15</b>	<b>47</b>	<b>217</b>
<b>Graduate Diploma</b>								
Graduate Diploma in Applied Ocean Technology			2	2	1		7	8
Graduate Diploma in Marine Studies	8		12	20	6			6
<b>Total Graduate Diploma</b>	<b>8</b>		<b>14</b>	<b>22</b>	<b>7</b>		<b>7</b>	<b>14</b>
<b>Bachelor's Degree</b>								
Bachelor of Maritime Studies	39	1	1	41	34	1	1	36
Bachelor of Technology <sup>1</sup>	209	6	45	260	238	4	68	310
<b>Total Bachelor's Degree</b>	<b>248</b>	<b>7</b>	<b>46</b>	<b>301</b>	<b>272</b>	<b>5</b>	<b>69</b>	<b>346</b>
<b>Undergraduate Certificate</b>								
Certificate in Leadership	5			5	3			3
<b>Total Undergraduate Certificate</b>	<b>5</b>			<b>5</b>	<b>3</b>			<b>3</b>
<b>Diploma and Certificate</b>								
Advanced Diploma	4	2	12	18	4	1	13	18
Post-Graduate Certificate	6			6	12			12
Diploma of Technology	331	6	19	356	347	3	19	369
Technician Diploma	19		1	20	16		7	23
Technical Certificate	65			65	75			75
<b>Total Diploma and Certificate</b>	<b>425</b>	<b>8</b>	<b>32</b>	<b>465</b>	<b>454</b>	<b>4</b>	<b>39</b>	<b>497</b>
<b>TOTAL Graduate</b>	<b>177</b>	<b>14</b>	<b>79</b>	<b>270</b>	<b>180</b>	<b>16</b>	<b>70</b>	<b>266</b>
<b>TOTAL Undergraduate</b>	<b>253</b>	<b>7</b>	<b>46</b>	<b>306</b>	<b>275</b>	<b>5</b>	<b>69</b>	<b>349</b>
<b>TOTAL Diploma and Certificate</b>	<b>425</b>	<b>8</b>	<b>32</b>	<b>465</b>	<b>454</b>	<b>4</b>	<b>39</b>	<b>497</b>
<b>GRAND TOTAL</b>	<b>855</b>	<b>29</b>	<b>157</b>	<b>1,041</b>	<b>909</b>	<b>25</b>	<b>178</b>	<b>1,112</b>

Notes:

Canadian Citizen, Permanent Resident of Canada, and Foreign Resident

<sup>1</sup> Students at partner institution(s) in China follow a different academic diary and may or may not be included in enrolment reports depending on when they register.

**Marine Institute - Table M5**  
**International Students (Foreign Residents) by Citizenship**  
*Following the last day to drop courses without academic prejudice  
in the Marine Institute Academic Diary*

	Fall/2023				Fall/2022			
	Graduate	Undergrad	Dipl/Cert	Total	Graduate	Undergrad	Dipl/Cert	Total
<b>Asia</b>								
Bangladesh	6	1	3	10	6	1	1	8
Ceylon		1		1	1			1
China <sup>1</sup>	6	40		46	4	60	1	65
Hong Kong	1			1	1			1
India	5	1	6	12	7	1	7	15
Mongolia					1			1
Pakistan	5			5	3	1		4
Philippines		1		1		1		1
Sri Lanka	1			1	1		2	3
Vietnam	2			2	2			2
<b>Total Asia</b>	<b>26</b>	<b>44</b>	<b>9</b>	<b>79</b>	<b>26</b>	<b>64</b>	<b>11</b>	<b>101</b>
<b>Europe</b>								
Denmark	1			1	1			1
France	1			1	1			1
Kazakhstan	1			1				
Spain	1			1	1			1
Turkey	1		2	3			3	3
United Kingdom	1			1	1			1
<b>Total Europe</b>	<b>6</b>		<b>2</b>	<b>8</b>	<b>4</b>		<b>3</b>	<b>7</b>
<b>Latin America/Caribbean</b>								
Bahamas			6	6		1	5	6
Barbados	1		1	2	1		1	2
Belize					1			1
Brazil	2		2	4	1		2	3
Colombia					1			1
Costa Rica	1			1	1			1
Ecuador	1			1	1			1
Guyana	2			2				
Jamaica		1	1	2			2	2
Mexico			1	1			1	1
<b>Total Latin America/Caribbean</b>	<b>7</b>	<b>1</b>	<b>11</b>	<b>19</b>	<b>6</b>	<b>1</b>	<b>11</b>	<b>18</b>
<b>Middle East and North Africa</b>								
Egypt	2			2		2		2
Iran	2			2	3		1	4
Jordan					1			1
Lebanon	1			1	1			1
Mauritania							1	1
Morocco							1	1
<b>Total Middle East and North Africa</b>	<b>5</b>			<b>5</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>10</b>
<b>North America</b>								
United States	8	1	1	10	9	2	2	13
<b>Total North America</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>13</b>
<b>Pacific Oceania</b>								
New Zealand			1	1				
<b>Total Pacific Oceania</b>			<b>1</b>	<b>1</b>				

*Continued on next page*

	Fall/2023				Fall/2022			
	Graduate	Undergrad	Dipl/Cert	Total	Graduate	Undergrad	Dipl/Cert	Total
<b>Sub-Saharan Africa</b>								
Cameroon							1	1
Ethiopia			1	1				
Ghana	5			5	2		1	3
Kenya					1			1
Nigeria	22		7	29	16		5	21
South Africa							1	1
Sudan					1		1	2
<b>Total Sub-Saharan Africa</b>	<b>27</b>		<b>8</b>	<b>35</b>	<b>20</b>		<b>9</b>	<b>29</b>
<b>GRAND TOTAL</b>	<b>79</b>	<b>46</b>	<b>32</b>	<b>157</b>	<b>70</b>	<b>69</b>	<b>39</b>	<b>178</b>

Notes:

<sup>1</sup> Students at partner institution(s) in China follow a different academic diary and may or may not be included in enrolment reports depending on when they register.



## Marine Institute - Table M6 Industrial Response Enrolment, Training Days and FTEs

Industrial response courses are short training programs (ranging in duration from half a day to several weeks) offered by the Marine Institute's schools and specialized centres in a variety of disciplines including marine transportation, fishing, aquaculture, and safety, among others. Industrial response courses are delivered in-person and online across the province and Canada.

**Enrolment:** Enrolment includes all course section registrations (i.e. if a student registers for two course sections, they will be counted twice). Marine Institute diploma and certificate students taking industrial response courses as part of their program are reported as Dipl/Cert, and all other students are reported as General. As of 2018/19, enrolment includes some Marine Institute diploma and certificate students who were not previously registered in the registration system used for industrial response courses.

Academic Year	Enrolment		
	General	Dipl/Cert	Total
2018/19	4,872	1,179	6,051
2019/20	3,067	407	3,474
2020/21	2,936	1,195	4,131
2021/22	4,412	1,273	5,685
2022/23	4,187	1,158	5,345

**Training Days and FTEs:** Training days are calculated by multiplying course section enrolment by course duration. Comparing enrolment in short courses to full-time undergraduate students requires calculating an Annual Full-Time Equivalent (FTE). This is done by comparing contact hours. A full-time undergraduate student at Memorial University has a minimum of 234 contact hours per year (13 weeks x 9 credit hours x 2 semesters). In short courses, each training day is seven contact hours. Industrial Response Annual FTE, therefore, is calculated as the total number of training days multiplied by seven and then divided by 234. For example, a five-day short course with 12 students is the equivalent of 1.79 Annual FTEs  $[(5*12*7) / 234] = 1.79$ .

Academic Year	Training Days			FTEs		
	General	Dipl/Cert	Total	General	Dipl/Cert	Total
2018/19	23,933.0	4,781.5	28,714.5	716	143	859
2019/20	16,905.0	2,207.0	19,112.0	506	66	572
2020/21	14,894.0	4,728.5	19,622.5	446	141	587
2021/22	24,427.5	5,669.5	30,097.0	731	170	900
2022/23	22,322.0	5,460.5	27,782.5	668	163	831

Note: Enrolment in industrial response courses as of 2019/20 has been impacted by the COVID-19 pandemic and related public-health measures.