



# 2015 Canadian Engineers for Tomorrow

Trends in Engineering Enrolment and Degrees Awarded 2010-2015

# Trends in Engineering Enrolment and Degrees Awarded 2011-2015

## Message from the Chief Executive Officer



The Enrolment and Degrees Awarded Report highlights strong growth in the number of students pursuing an engineering education.

During the 2015 academic year, undergraduate enrolment continued to increase and demonstrated strong growth in the number of students pursuing an engineering education. Undergraduate enrolment increased a total of 24 per cent from 2011, reaching a total of 81,287 students in 2015. From the 2014 academic year, undergraduate enrolment increased six per cent while postgraduate enrolment increased seven per cent, to reach 24,421 students.

Canadian engineering programs continue to be a popular choice for international students. In 2015, the total number of undergraduate international students reached 13,001, accounting for 19 per cent of all undergraduate enrolments. It is encouraging to see that the number of degrees awarded continues to grow along with student enrolment. A total of 14,577 degrees were awarded to undergraduate students in 2015, a hefty 24 per cent increase from 2011. There were also 7,678 master's degrees awarded in 2015, reflecting an increase of 23 per cent from 2014 and a 72 per cent from 2011. The number of doctoral degrees awarded followed similar trends, increasing three per cent from 2014 and 37 per cent from 2011.

For the first time, Engineers Canada collected information in 2016 regarding Indigenous students' enrolment and degrees awarded. In 2015, less than one per cent of undergraduate students identified as Indigenous. Like the population of women in engineering programs, Indigenous peoples are significantly underrepresented. We will continue to track this information in the coming years to identify trends in Indigenous enrolment and degrees awarded.

Kim Allen, MBA, FCAE, FEC, P.Eng.  
Chief Executive Officer  
Engineers Canada

## Acknowledgements

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## Foreword

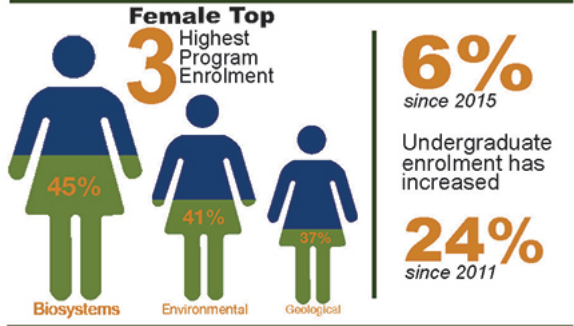
Each year, Engineers Canada gathers data on student enrolment and graduations from Canada's higher education institutions. This report analyzes trends in engineering student enrolment within accredited engineering programs across the nation.

Understanding these trends enables Engineers Canada and other members of the profession to:

- » Compare patterns in the changing number of students who enrol in and graduate from the various engineering programs offered in the provinces
- » Assess the number of women, Indigenous peoples and international students who are pursuing engineering and education
- » Exchange pertinent information about similar and distinctly different trends across disciplines and institutions



# Canadian Engineering Enrolment Facts 2015



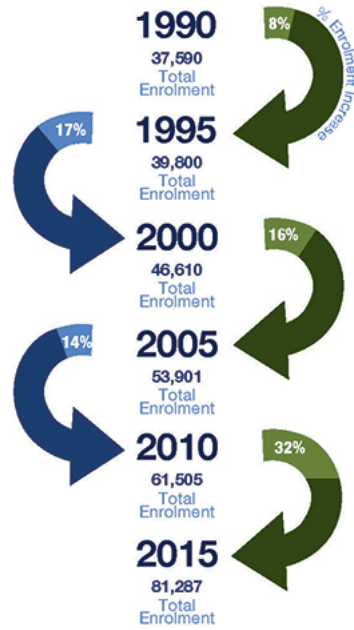
**6%**  
since 2015

Undergraduate enrolment has increased

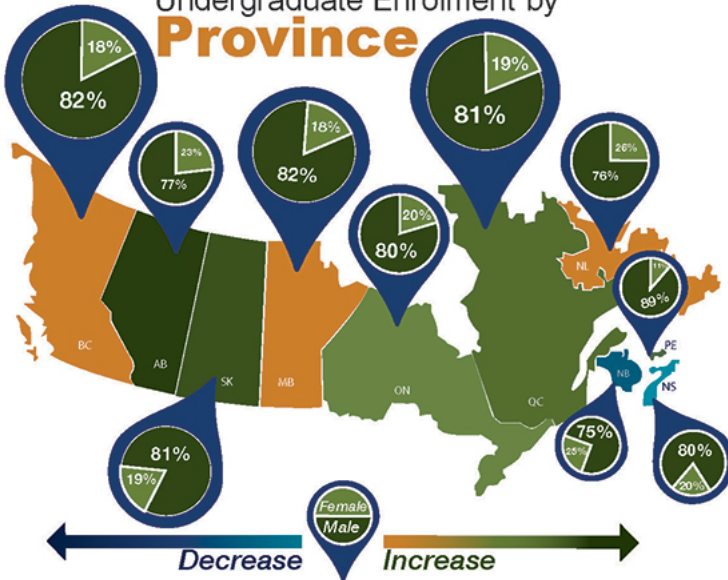
**24%**  
since 2011



Undergraduate enrolment has **increased 54%** from 1990 to 2015



## Undergraduate Enrolment by Province

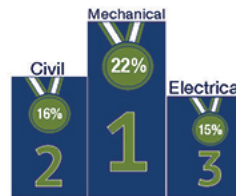


**TWENTY PER CENT**  
of engineering students are female.



**12,297**  
Female undergraduate students

Top 3 highest shares of enrolment.



# Introduction

The Engineering Enrolment and Degrees Awarded Report is an annual examination of Canada's undergraduate and postgraduate engineering programs that evaluates trends in part- and full-time student enrolment and degrees awarded over a five-year period. In 2015, 49 universities provided information on their enrolment, programs and degrees awarded.

The results highlight enrolment trends by discipline and institution, as well as the number of undergraduate and postgraduate degrees awarded each year. These results reveal trends specific to discipline, education and gender, as well as the number of engineering graduates available to enter the labour market, international students' participation in Canadian engineering education, and students studying in co-op programs. Enrolment trends in undergraduate, master's and doctoral levels are compared, along with men and women studying and graduating from engineering programs. In 2016, a series of questions regarding Indigenous peoples' enrolment and graduation from engineering programs was piloted and results are presented in this report. Engineers Canada plans to continue this data collection in coming years to be able to identify emerging trends.

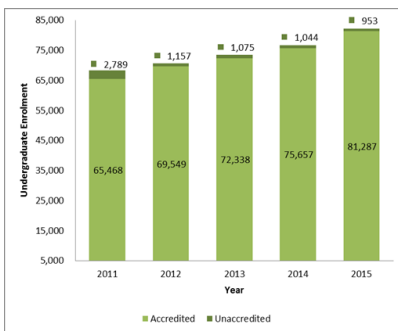
Data is provided by higher education institutions to Engineers Canada. Engineers Canada compiles the information in this report. Findings are then shared with Engineers Canada's stakeholders and with the public.

## Undergraduate student enrolment and degrees awarded

### Undergraduate student enrolment

Undergraduate enrolment in accredited engineering programs has increased six per cent since 2014, and 24 per cent from 2011. In 2015, enrolment reached a total of 81,287 students in accredited engineering programs across Canada.

**Chart 1.1** shows undergraduate enrolment in engineering programs, including students enrolled in unaccredited programs. The number of undergraduate engineering students in both accredited and unaccredited programs totaled 82,240 in 2015. This reflects an increase of seven per cent from 2014.

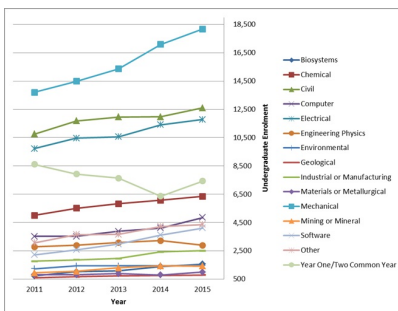


**Chart 1.1: Undergraduate enrolment 2011-2015 (all programs, FTE)**

For more detailed data tabulations corresponding to each chart, refer to Appendix A.

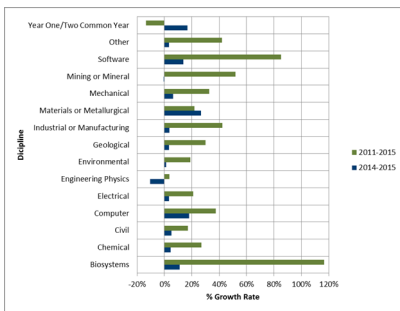
### Undergraduate enrolment by program

**Chart 1.2** illustrates the trends occurring in enrolment by program. Mechanical, civil and electrical engineering programs continue to have the highest shares of enrolment with 22 per cent, 16 per cent and 15 per cent, respectively; however, these are not the fastest growing programs.



**Chart 1.2: Undergraduate enrolment by program 2011-2015**

As shown in **Chart 1.3**, undergraduate enrolment in biosystems, software and mining or mineral engineering programs continue to grow the fastest, with an increase of 117 per cent, 85 per cent and 52 per cent, respectively, between 2011 and 2015. By contrast, enrolment in Year One/Two Common engineering programs continues to remain below 2011 levels, declining 14 per cent since 2011. However, it did see a 17 per cent increase in enrolment in 2015.



**Chart 1.3: Undergraduate enrolment growth by program (FTE)**

## Undergraduate enrolment by province

Ontario continues to be the province with the highest proportion of undergraduate enrolment, making up 44 per cent of total enrolment, an increase of five per cent from 2014. Following Ontario, Quebec makes up 26 per cent of undergraduate enrolment, rising six per cent from 2014. Since 2011, Ontario and Quebec are growing the fastest, along with Manitoba, with increases of 30 per cent, 33 per cent and 32 per cent, respectively.

Unlike in 2014, when Alberta saw the largest decrease in year-to-year enrolment, in 2015, Alberta had the highest increase, with an increase of 26 per cent over 2014. Taking Alberta's place as the province with the largest decrease, enrolment in New Brunswick's engineering programs decreased by nine per cent from 2011 to 2015 and by three per cent from 2014 to 2015.

For the third year in a row, Newfoundland and Labrador continues to have the highest percentage of female undergraduates with 26 per cent, increasing from 24 per cent in 2014. Prince Edward Island continues to be the province with the lowest percentage of female enrolment, where they make up only 11 per cent of the undergraduate engineering student population.

International students are enrolling in undergraduate engineering programs in greater amounts in Ontario (42 per cent), Quebec (24 per cent) and British Columbia (10 per cent). This contrasts with last year's enrolment, where international students were enrolling in the maritime provinces—Prince Edward Island, Nova Scotia and New Brunswick.

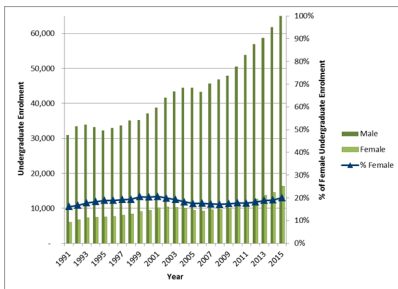
## Undergraduate enrolment by gender

Female undergraduate enrolment follows similar trends with undergraduate student enrolment and continues to rise, reaching 16,297 undergraduate students, or 20 per cent of total enrolment, in 2015—a 12 per cent increase from 2014.

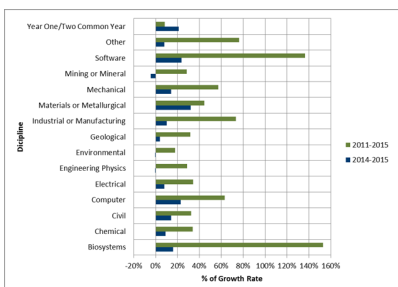
While the highest percentage of female undergraduate enrolment was in 2001, with 21 per cent of students, the percentages have been increasing at a rate about one per cent per year since 2008 (**Chart 1.4**). Should this trend continue, the percentage of female undergraduate students in 2016 should be on par with the 2001 numbers.

**Chart 1.5** indicates that the top three disciplines with female enrolment are biosystems, environmental and geological engineering programs at 45 per cent, 41 per cent and 37 per cent, respectively. Even though these disciplines have the highest percentage of female enrolment, they do not have the highest female enrolment numbers. The civil (3,143), chemical (2,255) and mechanical (2,148) disciplines—have the largest female enrolment. The disciplines with the fewest number of females enrolled are computer, mechanical and software engineering at 12 per cent, or about 500 female students in each program.

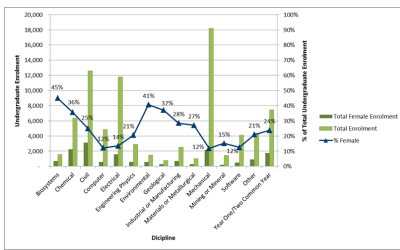
As shown in **Chart 1.6**, there has been steady growth in female enrolment in disciplines from 2011 to 2015. The disciplines with the most cumulative growth are biosystems, with a growth of 153 per cent, and software engineering with a growth of 137 per cent. Conversely, not all disciplines are growing; the percentage difference from 2014 to 2015, particularly in mining or mineral engineering, environmental, and engineering physics, follow a different trend, with negative four per cent, negative one per cent and negative one per cent growth, respectively. These three disciplines saw smaller female enrolment numbers in 2015.



**Chart 1.4: Undergraduate enrolment by gender (FTE) 1991-2015**



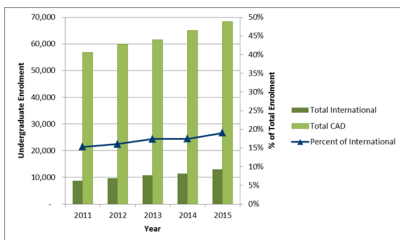
**Chart 1.5: Female undergraduate enrolment by program**



**Chart 1.6: Female undergraduate enrolment growth by program 2015**

## Undergraduate enrolment of international students

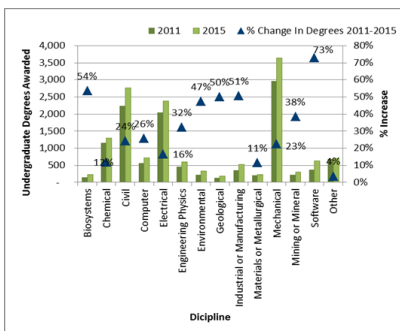
Chart 1.7 shows the number and proportion of international students, as well as the yearly growth in their enrolment. In 2015, the total number of international students accounts for 19 per cent of all undergraduate enrolments, reaching 13,001 students. This number is an important increase from 2014, when international student enrolment was at 15 per cent, or 11,354 students. Nonetheless, this growth rate is still significantly lower than from 2012 to 2013, where the increase in international students accounted for more than 39.9 percent of the overall increase in engineering student enrolment. Thus, the overall trend indicates a slowing rate of international students enrolling in Canadian undergraduate engineering programs.



**Chart 1.7: Undergraduate enrolment of international students 2011-2015**

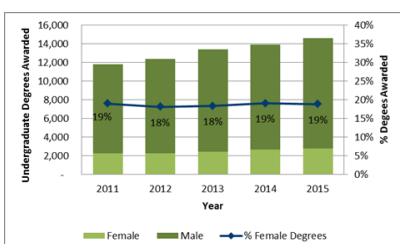
## Undergraduate degrees awarded

The number of undergraduate degrees awarded increased by 24 per cent from 2011, reaching 14,577 students in 2015. As shown in Chart 1.8, the program with the most undergraduate degrees awarded is mechanical engineering with 3,634 degrees in 2015. The fastest growing undergraduate degrees awarded, from 2011 to 2015 are software engineering degrees (73 per cent increase), biosystems engineering degrees (54 per cent increase) and industrial or manufacturing engineering degrees (51 per cent increase).



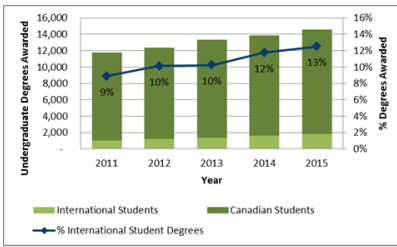
**Chart 1.8: Undergraduate degrees awarded 2011-2015**

Similarly, Chart 1.9, which represents undergraduate degrees awarded to females, demonstrates that the number of degrees awarded to female undergraduates increased from 2011 to 2014. The percentage of females compared to males with undergraduate degrees has fluctuated throughout the five years presented in this report, with an average of 19 per cent of undergraduate degrees being awarded to females.



**Chart 1.9: Undergraduate degrees awarded by gender 2011-2015**

Chart 1.10 represents the trends of degrees awarded to international student and shows a steady increase, with nine per cent awarded in 2011 to international students and 13 per cent awarded in 2015.



**Chart 1.10: Undergraduate degrees awarded to international students 2011-2014**



# Postgraduate enrolment and degrees awarded

## Graduate student enrolment

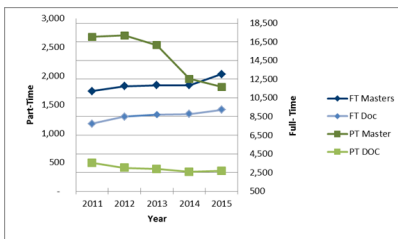
Overall, postgraduate enrolment numbers increased seven per cent from 2014 to 2015 to 24,421 students. This is a dramatic increase compared to 2014 when the number of students enrolling declined 2.5 per cent from 2013 levels.

In 2015, master's student enrolment increased while, in 2014, there was a decline at this level. The percentage of part-time master's students continues to decline, only accounting for 12 per cent (1,812 students) of graduate students in 2015, compared to 19 per cent in 2011 (2,679).

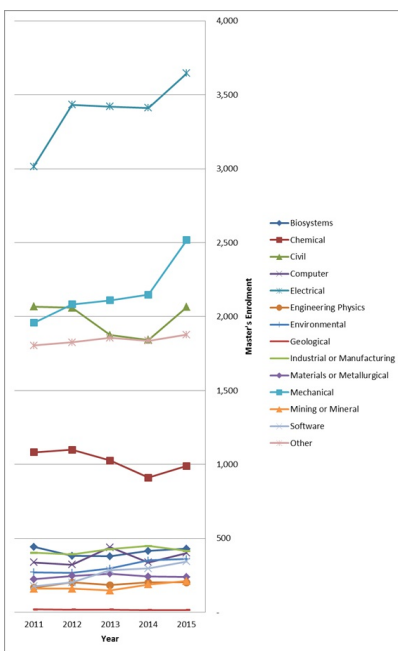
Following the trends of master's degrees, both full- and part-time doctoral student enrolment increased from 2014 and from 2011 reaching a total of 9,570 students. Chart 2.1 illustrates the trends in part-time and full-time enrolment in master's and doctoral programs.

Charts 2.2 and 2.3 illustrate enrolment trends in both master's and doctoral programs. Electrical engineering continues to have the most students enrolled in both levels, with 3,645 and 2,423 students, respectively. At both the master's and doctoral levels, computer engineering has had the largest growth in student enrolment, with 19 per cent and 34 per cent, respectively.

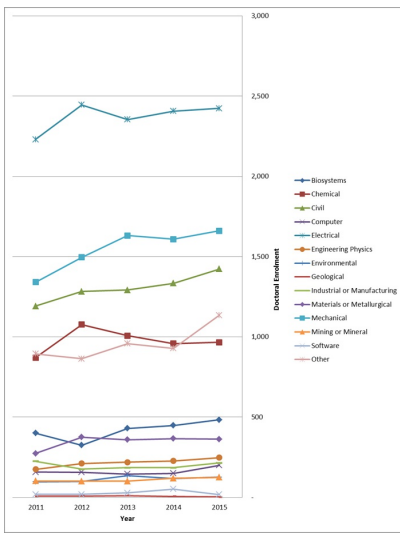
Conversely, doctoral enrolment in geological engineering has decreased the most since 2014, with a 67 per cent decrease. Materials and metallurgical engineering has decreased one per cent at the doctoral level. These trends are shown in Chart 2.4.



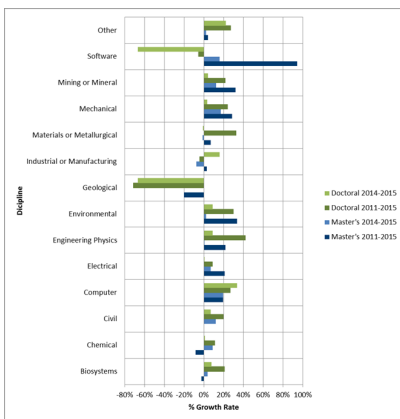
**Chart 2.1: Postgraduate Enrolment 2011-2015**



**Chart 2.2: Master's Enrolment By Program 2011-2015**



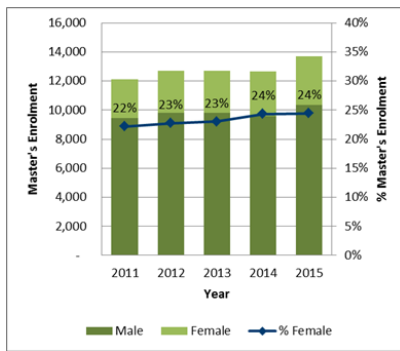
**Chart 2.3: Doctoral Enrolment By Program 2011-2015**



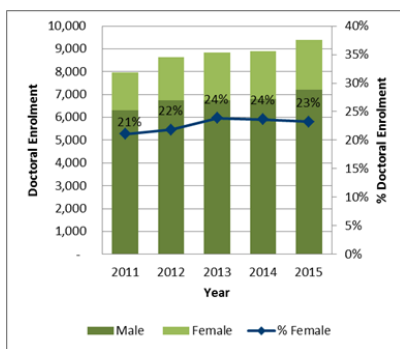
**Chart 2.4: Postgraduate Enrolment Growth By Program 2011-2015**

## Postgraduate enrolment by gender

Trends in postgraduate enrolment by gender continue to stay mostly unchanged from 2014. There continues to be a higher proportion of female postgraduate enrolment (24 per cent) than undergraduate enrolment (20 per cent). Different from 2014, however, are the programs with the highest percentage of female enrolment. Electrical engineering has the highest percentage of female postgraduate enrolment with 23 percent, followed by civil engineering with 17 per cent and chemical with 12 per cent.



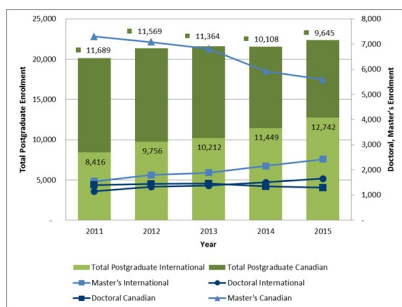
**Chart 2.5: Master's Enrolment By Gender 2011-2015**



**Chart 2.6: Doctoral Enrolment By Gender 2011-2015**

## Postgraduate enrolment by international students

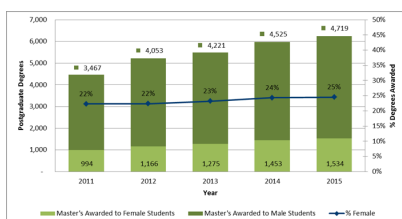
At 12,742 students, international students continue to account for over half of total postgraduate enrolment (57 per cent), increasing four per cent from 2014. While international student enrolment continues to increase, Canadian student enrolment in Canadian engineering programs continues to decrease, declining by three percent from 2014. Chart 2.7 illustrates that the growth in postgraduate enrolment from previous years is entirely the result of the increase in international students' postgraduate enrolment, as Canadian postgraduate enrolment has been decreasing steadily.



**Chart 2.7: Postgraduate Enrolment Of International Students 2011-2015**

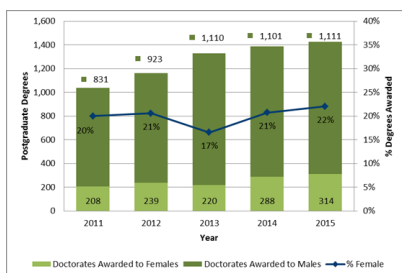
## Postgraduate degrees awarded

In 2015, there were 7,678 master's degrees awarded, reflecting an increase of 23 per cent from 2014 and a 72 per cent increase from 2011. Master's degrees awarded to female students account for 25 per cent and are consistent with the average female master's degree enrolment rate of 23 per cent over the five years covered in this report. Chart 2.8 reflects this consistency and does not indicate any difference in gender completion rates.



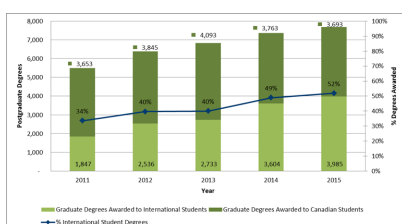
**Chart 2.8: Master's Awarded By Gender 2011-2015**

Shown in Chart 2.9, in 2015, there were 1,425 doctorates awarded, reflecting an increase of three per cent from 2014 and a 37 per cent increase from 2011. Female doctorates account for 22 per cent of total doctoral degrees awarded in 2015, which is consistent with the proportion of female doctoral students (22 per cent).



**Chart 2.9: Doctorates Awarded By Gender 2011-2015**

Chart 2.10 highlights the large increase in graduate degrees awarded to international students since 2011, in accordance with the large increase in international student postgraduate enrolment. Following similar trends to 2014, in 2015 the proportion of international student degrees awarded exceeded the average international student enrolment of 42 per cent over the five years and there were 3,985 international students that graduated.



**Chart 2.10: Graduate Degrees  
Awarded To International  
Students 2011-2015**

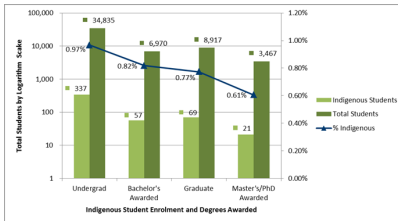


# Undergraduate enrolment of Indigenous peoples

In 2016, a series of questions regarding Indigenous peoples' enrolment and graduation from engineering programs was piloted. Chart 3.1 illustrates the enrolment and graduation of Indigenous students from Canadian engineering programs. Engineers Canada plans to continue this data collection in coming years to be able to identify relevant trends.

A total of 22 post-secondary institutions responded. Three of those were unable to find the information required to respond to the survey questions. Because of the small sample size, the information that is provided on Indigenous student enrolment is only provided in aggregate form to assure anonymity.

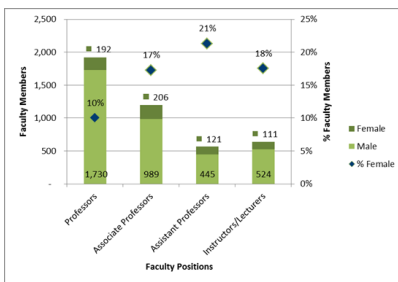
There were a total of 337 Indigenous students who enrolled in undergraduate studies and 147 that enrolled in a post-graduate program. Indigenous peoples are 0.97 per cent of undergraduate enrolment and 0.76 per cent of post-graduate enrolment. Indigenous peoples make up more than 4.3 per cent of the Canadian population.



**Chart 3.1: Indigenous Student Enrolment and Degrees Awarded**

# Faculty Members

As shown in Chart 3.2, faculty members decreased in 2015 by 0.1 per cent to 4,318. Female faculty members accounted for 14.6 per cent of all faculty members and increased one percent from 2014, but decreased by only one percent from 2011.



**Chart 3.2: Faculty members by gender**

# Appendix A

## Data tabulations - engineering enrolment and degrees awarded

Data found in the following tables can also be downloaded in Excel format.

### Undergraduate Enrolment (U)

- »U.1. National
- »U.2. Provincial
- »U.3. Institutional

### Undergraduate Degrees Awarded (UD)

- »UD.1. National
- »UD.2. Provincial
- »UD.3. Institutional

### Post-graduate Student Enrolment (G)

- »G.1. National
- »G.2. Provincial
- »G.3. Institutional

### Post-graduate Degrees Awarded (GD)

- »GD.1. National
- »GD.2. Provincial
- »GD.3. Institutional

### Faculty Members by Institution (F)

- »F.1. Faculty Composition

### Co-op, Internship and Professional Experience Programs (C)

- »C.1. Industry Experience Options by Institutions

For 2007 and onwards, data are based on the average number of students enrolled over the fall, winter and summer terms.

## School name and acronyms

In the *Appendix* section of this report, all university names, where appropriate, have been abbreviated. The chart shown below lists the complete name of the school and the abbreviated name that is used.

**Complete name of the school and the abbreviated name that is used.**

<b>Complete School Name</b>	<b>Abbreviation</b>
<b>Acadia University</b>	Acadia
<b>Alberta, University of</b>	Alberta
<b>British Columbia Institute of Technology</b>	BCIT
<b>British Columbia, University of</b>	UBC
<b>British Columbia at Okanagan, University of</b>	UBCO
<b>Calgary, The University of</b>	Calgary
<b>Cape Breton, University College of</b>	Cape Breton
<b>Carleton University</b>	Carleton
<b>Concordia University</b>	Concordia
<b>Conestoga College</b>	Conestoga
<b>Dalhousie University</b>	Dal
<b>École de technologie supérieure</b>	ETS
<b>Guelph, University of</b>	Guelph
<b>Lakehead University</b>	Lakehead
<b>Laurentian University</b>	Laurentian
<b>Laval, Université</b>	Laval
<b>Manitoba, The University of</b>	Manitoba
<b>McGill University</b>	McGill

<b>McMaster University</b>	McMaster
<b>Memorial University of Newfoundland</b>	MUN
<b>Moncton, Université de</b>	Moncton
<b>New Brunswick, University of</b>	UNB
<b>Northern British Columbia, University of</b>	UNBC
<b>Nova Scotia Agricultural College</b>	NSAC
<b>Ottawa, University of</b>	Ottawa
<b>Prince Edward Island, University of</b>	UPEI
<b>Polytechnique, École</b>	Polytechnique
<b>Québec à Chicoutimi, Université du</b>	UQAC
<b>Québec à Montréal, Université du</b>	UQAM
<b>Québec à Rimouski, Université du</b>	UQAR
<b>Québec à Trois-Rivières, Université du</b>	UQTR
<b>Québec en Abitibi-Témiscamingue, Université du</b>	UQAT
<b>Québec en Outaouais, Université du</b>	UQO
<b>Queen's University</b>	Queen's
<b>Regina, University of</b>	Regina
<b>Royal Military College of Canada</b>	RMC
<b>Ryerson University</b>	Ryerson
<b>Saint Mary's University</b>	SMU
<b>Saskatchewan, University of</b>	Saskatchewan
<b>Sherbrooke, Université de</b>	Sherbrooke
<b>Simon Fraser University</b>	SFU
<b>St. Francis Xavier University</b>	StFX
<b>Toronto, University of</b>	Toronto
<b>University of Ontario, Institute of Technology</b>	UOIT
<b>Victoria, University of</b>	Uvic
<b>Waterloo, University of</b>	Waterloo
<b>Western Ontario, University of</b>	Western
<b>Windsor, University of</b>	Windsor
<b>York University</b>	York

Complete name of the Province or Territory and the abbreviated name that is used.

<b>Province Name</b>	<b>Abbreviation</b>
<b>Alberta</b>	AB
<b>British Columbia</b>	BC
<b>Manitoba</b>	MB
<b>New Brunswick</b>	NB
<b>Newfoundland and Labrador</b>	NL
<b>Nova Scotia</b>	NS
<b>Ontario</b>	ON
<b>Prince Edward Island</b>	PE
<b>Québec</b>	QC
<b>Saskatchewan</b>	SK

## Undergraduate Enrolment (U)

U.1.1 Total undergraduate enrolment in accredited engineering programs by discipline: 2011 to 2015.

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	719	1023	1080	1402	1558
<b>Chemical</b>	5000	5517	5825	6076	6347

<b>Civil</b>	10758	11681	11957	11974	12606
<b>Computer</b>	3526	3520	3873	4105	4849
<b>Electrical</b>	9727	10462	10556	11411	11778
<b>Engineering Physics</b>	2786	2894	3081	3222	2887
<b>Environmental</b>	1229	1440	1440	1444	1462
<b>Geological</b>	604	667	730	761	786
<b>Industrial or Manufacturing</b>	1766	1857	1959	2427	2513
<b>Materials or Metallurgical</b>	824	805	886	793	1004
<b>Mechanical</b>	13703	14489	15368	17091	18168
<b>Mining or Mineral</b>	936	1046	1304	1431	1423
<b>Software</b>	2222	2573	2974	3616	4114
<b>Other</b>	3063	3649	3662	4215	4354
<b>Year One/Two Common Year</b>	8605	7926	7642	6363	7438
<b>TOTAL</b>	65468	69549	72338	76330	81287

**U.1.2 Total female undergraduate enrolment in accredited engineering programs: 1991 to 2015.**

<b>Year</b>	<b>Total Enrolment</b>	<b>Women</b>	<b>Percent of total</b>
<b>1991</b>	36,923	5,947	16.1
<b>1992</b>	40,068	6,659	16.6
<b>1993</b>	41,329	7,348	17.8
<b>1994</b>	40,709	7,436	18.3
<b>1995</b>	39,800	7,505	18.9
<b>1996</b>	40,667	7,659	18.8
<b>1997</b>	41,675	8,006	19.2
<b>1998</b>	43,487	8,391	19.3
<b>1999</b>	44,390	9,103	20.5
<b>2000</b>	46,610	9,460	20.3
<b>2001</b>	48,929	10,089	20.6
<b>2002</b>	52,024	10,350	19.9
<b>2003</b>	53,718	10,317	19.2
<b>2004</b>	54,361	9,901	18.2
<b>2005</b>	53,901	9,435	17.5
<b>2006</b>	52,484	9,235	17.6
<b>2007</b>	55,190	9,561	17.3
<b>2008</b>	56,596	9,695	17.1
<b>2009</b>	57,970	10,062	17.4
<b>2010</b>	61,505	10,915	17.7
<b>2011</b>	65,468	11,563	17.7
<b>2012</b>	69,549	12,609	18.1
<b>2013</b>	72,338	13,652	18.9
<b>2014</b>	76,330	14,527	19
<b>2015</b>	81,287	16,297	20

**Table U.1.3 Total female undergraduate enrolment in accredited engineering programs: 2011-2015.**

Discipline	2011	2012	2013	2014	2015
<b>Biosystems</b>	277	439	450	603	700
<b>Chemical</b>	1,686	1,826	1,920	2,067	2,255
<b>Civil</b>	2,370	2,556	2,718	2,755	3,143
<b>Computer</b>	360	355	416	478	587
<b>Electrical</b>	1,185	1,297	1,367	1,471	1,591
<b>Engineering Physics</b>	461	497	555	597	594
<b>Environmental</b>	504	565	571	597	594
<b>Geological</b>	221	245	268	280	291
<b>Industrial or Manufacturing</b>	412	441	489	647	714
<b>Materials or Metallurgical</b>	188	188	219	206	272
<b>Mechanical</b>	1,367	1,502	1,672	1,882	2,148
<b>Mining or Mineral</b>	168	186	191	226	216
<b>Software</b>	216	253	330	413	511
<b>Other</b>	518	657	722	843	912
<b>Year One/Two Common Year</b>	1,630	1,600	1,764	1,462	1,769
<b>TOTAL</b>	<b>11,563</b>	<b>12,609</b>	<b>13,652</b>	<b>14,527</b>	<b>16,297</b>

**Table U.1.4 Total 2015 undergraduate enrolment in engineering programs which will be seeking accreditation.**

Institution	Program	015
<b>Calgary</b>	Energy Engineering	48
<b>Laurentian</b>	Civil Engineering	11
<b>Laval</b>	Génie industriel	135
<b>McGill</b>	General Engineering	58
<b>UOIT</b>	Energy Systems Engineering	49
<b>UQO</b>	Génie électrique	36
<b>UVic</b>	Biomedical Engineering	65
<b>UVic</b>	Civil Engineering	114
<b>Waterloo</b>	Biomedical Engineering	69
<b>York</b>	Civil Engineering	88
<b>York</b>	Electrical Engineering	81
<b>York</b>	Mechanical Engineering	92
<b>York</b>	Software Engineering	61
<b>York</b>	Undeclared Major Engineering	48
<b>TOTAL</b>		<b>953</b>

**Table U.2.1 Total undergraduate enrolment in accredited engineering programs by province: 2011-2015.**

Province	2011	2012	2013	2014	2015
<b>AB</b>	6,897	7,154	7,334	5,818	7,317
<b>BC</b>	7,158	8,168	6,935	7,386	7,644
<b>MB</b>	1,154	1,255	1,412	1,483	1,521
<b>NB</b>	2,018	2,141	2,025	1,886	1,836
<b>NL</b>	873	859	937	989	1,030
<b>NS</b>	1,777	1,863	2,049	2,137	2,093
<b>ON</b>	27,522	28,904	30,288	34,089	35,868
<b>PE</b>	103	111	126	120	128
<b>QC</b>	15,814	16,969	18,659	19,839	21,073
<b>SK</b>	2,152	2,126	2,574	2,584	2,778
<b>TOTAL</b>	<b>65,468</b>	<b>69,550</b>	<b>72,339</b>	<b>76,331</b>	<b>81,288</b>



**Table U.2.2 Total female undergraduate enrolment in accredited engineering programs by province: 2015.**

Province	Total Enrolment	Female Enrolment	Percent Female Enrolment
<b>AB</b>	7,317	1,684	23.00%
<b>BC</b>	7,644	1,393	18.20%
<b>MB</b>	1,521	277	18.20%
<b>NB</b>	1,836	451	24.60%
<b>NL</b>	1,030	269	26.10%
<b>NS</b>	2,093	421	20.10%
<b>ON</b>	35,868	7,362	20.50%
<b>PE</b>	128	14	11.00%
<b>QC</b>	21,073	3,904	18.50%
<b>SK</b>	2,778	522	18.80%
<b>TOTAL</b>	<b>81,288</b>	<b>16,297</b>	<b>20.00%</b>

**Table U.2.3 Total undergraduate foreign student enrolment in accredited engineering programs by province: 2011-2015.**

Province	2011	2012	2013	2014	2015
<b>AB</b>	655	738	795	644	929
<b>BC</b>	829	1,014	1,018	1,177	1,359
<b>MB</b>	149	185	245	276	258
<b>NB</b>	611	659	674	451	617
<b>NL</b>	89	86	95	102	109
<b>NS</b>	318	440	479	513	536
<b>ON</b>	3,474	3,778	4,197	4,841	5,430
<b>PE</b>	12	12	20	30	30
<b>QC</b>	2,157	2,290	2,623	2,743	3,074
<b>SK</b>	385	405	573	577	659
<b>TOTAL</b>	<b>8,679</b>	<b>9,607</b>	<b>10,719</b>	<b>11,354</b>	<b>13,001</b>

**Table U.2.4 Total undergraduate enrolment in accredited engineering programs by discipline and province: 2015.**

Discipline	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK	Total
<b>Biosystems</b>		75	115				1,084		280	5	1,558
<b>Chemical</b>	953	198		180		102	3,560		1,141	214	6,347
<b>Civil</b>	1,012	728	251	580	154	116	4,690		4,877	198	12,606
<b>Computer</b>	188	401	104	20	53		2,828		1,051	205	4,849
<b>Electrical</b>	1,006	1,388	302	286	82	152	5,079		3,387	96	11,778
<b>Engineering Physics</b>	50	1,024					1,516		255	42	2,887
<b>Environmental</b>		146				53	910		87	265	1,462
<b>Geological</b>		120		62			265		263	76	786
<b>Industrial or Manufacturing</b>						107	804		1,285	318	2,513
<b>Materials or Metallurgical</b>	162	133				26	391		292		1,004
<b>Mechanical</b>	1,576	1,704	459	468	237	182	7,962		5,347	235	18,168
<b>Mining or Mineral</b>	176	143				93	492		520		1,423
<b>Software</b>	158	171		91			1,676		1,907	111	4,114
<b>Other</b>	517	141		86	176	757	1,928		382	368	4,354
<b>Year One/Two Common Year</b>	1,520	1,272	290	62	330	505	2,684	128		647	7,438
<b>TOTAL</b>	<b>7,318</b>	<b>7,644</b>	<b>1,521</b>	<b>1,835</b>	<b>1,032</b>	<b>2,093</b>	<b>35,868</b>	<b>128</b>	<b>21,074</b>	<b>2,780</b>	<b>81,287</b>

**Table U.2.5 Total female undergraduate enrolment in accredited engineering programs by discipline and province: 2015.**

<b>Discipline</b>	<b>AB</b>	<b>BC</b>	<b>MB</b>	<b>NB</b>	<b>NL</b>	<b>NS</b>	<b>ON</b>	<b>PE</b>	<b>QC</b>	<b>SK</b>	<b>Total</b>
<b>Biosystems</b>		32	50				480		136	1	700
<b>Chemical</b>	307	71		59		37	1,231		492	60	2,255
<b>Civil</b>	330	144	53	221	45	27	1,176		1,096	52	3,143
<b>Computer</b>	24	63	16	1	5		356		107	16	587
<b>Electrical</b>	174	162	44	56	15	16	715		401	8	1,591
<b>Engineering Physics</b>	6	187					342		54	4	594
<b>Environmental</b>		64				22	365		37	106	594
<b>Geological</b>		46		20			101		107	17	291
<b>Industrial or Manufacturing</b>						25	251		395	43	714
<b>Materials or Metallurgical</b>	40	29				5	120		78		272
<b>Mechanical</b>	238	203	53	59	42	19	889		625	22	2,148
<b>Mining or Mineral</b>	18	18				9	93		79		216
<b>Software</b>	25	14		11			218		231	12	511
<b>Other</b>	126	31		13	66	163	389		65	59	912
<b>Year One/Two Common Year</b>	396	329	61	12	98	101	636	14		123	1,769
<b>TOTAL</b>	<b>1,684</b>	<b>1,393</b>	<b>277</b>	<b>452</b>	<b>271</b>	<b>424</b>	<b>7,362</b>	<b>14</b>	<b>3,905</b>	<b>523</b>	<b>16,297</b>

**U.3.1 Total undergraduate enrolment in accredited engineering programs by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Acadia</b>	101	207	171	153	153
<b>Alberta</b>	3,904	4,021	4,145	3,277	4,222
<b>BCIT</b>	465	469	486	784	882
<b>Calgary</b>	2,993	3,133	3,189	2,541	3,095
<b>CapeBreton</b>	84	118	83	54	41
<b>Carleton</b>	2,698	3,186	3,228	3,511	4,022
<b>Concordia</b>	2,787	2,610	3,090	3,228	3,463
<b>Conestoga</b>	80	80	98	161	176
<b>Dal</b>	1,273	1,208	1,343	1,508	1,588
<b>ETS</b>	3,654	3,921	4,382	5,762	5,201
<b>Guelph</b>	528	530	942	1,320	1,392
<b>Lakehead</b>	796	806	798	849	1,006
<b>Laurentian</b>	442	279	382	544	481
<b>Laval</b>	1,683	1,841	1,987	1,059	2,308
<b>Manitoba</b>	1,154	1,255	1,412	1,483	1,521
<b>McGill</b>	2,257	2,259	2,649	2,769	2,826
<b>McMaster</b>	2,731	2,338	2,737	3,330	3,473
<b>Moncton</b>	338	367	358	343	422
<b>MUN</b>	873	859	937	989	1,030
<b>NSAC</b>	59	31	65	72	19
<b>Ottawa</b>	1,805	2,030	2,340	2,661	3,009
<b>Polytechnique</b>	3,644	4,197	4,305	4,704	4,896
<b>Queen's</b>	2,687	2,734	2,745	2,811	2,546
<b>Regina</b>	878	876	1,157	1,166	1,389
<b>RMC</b>	431	440	513	418	416
<b>Ryerson</b>	2,569	3,036	3,193	3,632	3,913
<b>Saskatchewan</b>	1,274	1,251	1,418	1,417	1,390
<b>SFU</b>	945	990	1,120	1,245	1,215
<b>Sherbrooke</b>	1,248	1,248	1,339	1,358	1,459
<b>SMU</b>	167	214	297	281	214
<b>StFX</b>	93	85	90	70	79
<b>Toronto</b>	4,386	4,488	4,560	4,672	4,745
<b>UBC</b>	3,800	3,873	3,699	3,501	3,537
<b>UBCO</b>	884	1,650	262	396	387
<b>UNB</b>	1,680	1,774	1,667	1,543	1,414
<b>UNBC</b>	73	89	84	85	89
<b>UOIT</b>	1,243	1,370	763	1,633	1,787
<b>UPEI</b>	103	111	126	120	128
<b>UQAC</b>	208	365	358	370	387
<b>UQAM</b>	27	42	42	47	
<b>UQAR</b>	86	81	89	88	114
<b>UQAT</b>	54	55	62	63	63
<b>UQO</b>	3	35	30	29	28
<b>UQTR</b>	163	314	327	362	329
<b>UVic</b>	992	1,098	1,284	1,374	1,534
<b>Waterloo</b>	4,622	5,047	5,182	5,315	5,456
<b>Western</b>	1,324	1,260	1,321	1,582	1,695
<b>Windsor</b>	985	1,064	1,245	1,468	1,540
<b>York</b>	195	218	241	183	211
<b>TOTAL</b>	<b>65,469</b>	<b>69,553</b>	<b>72,341</b>	<b>76,331</b>	<b>81,291</b>

**U.3.2 Total female undergraduate enrolment in accredited engineering programs by institution: 2011 to 2015**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Acadia</b>	23	27	38	31	37
<b>Alberta</b>	774	800	827	658	893
<b>BCIT</b>	37	39	42	59	62
<b>Calgary</b>	701	747	773	645	791
<b>Cape Breton</b>	14	16	18	10	4
<b>Carleton</b>	370	446	450	504	669
<b>Concordia</b>	471	490	606	645	705
<b>Conestoga</b>	9	5	5	10	8
<b>Dal</b>	241	229	262	291	321
<b>ETS</b>	325	353	385	507	458
<b>Guelph</b>	160	167	228	362	388
<b>Lakehead</b>	64	77	88	88	130
<b>Laurentian</b>	74	41	52	84	81
<b>Laval</b>	311	336	361	214	427
<b>Manitoba</b>	194	217	250	275	277
<b>McGill</b>	510	496	604	646	684
<b>McMaster</b>	434	418	514	587	686
<b>Moncton</b>	60	63	65	65	207
<b>MUN</b>	183	188	243	241	269
<b>NSAC</b>	6	5	9	17	1
<b>Ottawa</b>	325	409	445	527	595
<b>Polytechnique</b>	755	914	992	1,168	1,269
<b>Queen's</b>	687	741	775	815	780
<b>Regina</b>	184	168	266	249	251
<b>RMC</b>	46	60	71	51	48
<b>Ryerson</b>	377	522	539	638	738
<b>Saskatchewan</b>	247	243	279	277	272
<b>SFU</b>	120	133	155	187	197
<b>Sherbrooke</b>	194	190	213	207	214
<b>SMU</b>	20	25	42	42	32
<b>StFX</b>	23	20	26	22	27
<b>Toronto</b>	1,024	1,068	1,116	1,198	1,282
<b>UBC</b>	732	760	783	787	863
<b>UBCO</b>	98	205	32	49	48
<b>UNB</b>	278	278	255	277	244
<b>UNBC</b>	33	43	38	32	35
<b>UOIT</b>	90	100	66	111	144
<b>UPEI</b>	25	12	18	10	14
<b>UQAC</b>	27	45	53	58	64
<b>UQAM</b>	2	3	3	4	
<b>UQAR</b>	7	15	13	8	6
<b>UQAT</b>	10	12	13	12	9
<b>UQO</b>	1	4	3	5	7
<b>UQTR</b>	18	43	50	69	62
<b>UVic</b>	90	98	133	151	188
<b>Waterloo</b>	777	915	975	1,058	1,188
<b>Western</b>	250	242	261	312	343
<b>Windsor</b>	130	145	178	236	242
<b>York</b>	33	38	42	32	41
<b>TOTAL</b>	<b>11,564</b>	<b>12,611</b>	<b>13,655</b>	<b>14,531</b>	<b>16,301</b>

**U.3.3 Total undergraduate enrolment in accredited engineering programs by institution and discipline: 2015**

<b>Institution</b>	<b>Biosystems</b>	<b>Chemical</b>	<b>Civil</b>	<b>Computer</b>	<b>Electrical</b>	<b>Engineering Physics</b>	<b>Environmental</b>	<b>Geological</b>	<b>Industrial or Manufacturing</b>	<b>Materials or Metallurgical</b>	<b>Mechanical</b>	<b>Mining or Mineral</b>	<b>Software</b>	<b>Other</b>	<b>Year One/Two Common Year</b>
<b>Acadia</b>															153
<b>Alberta</b>		603	648	188	442	50				162	906	176		224	823
<b>BCIT</b>			190		389						303				
<b>Calgary</b>		350	364		564						670		158	293	697
<b>CapeBreton</b>															41
<b>Carleton</b>	167	0	802	302	927	119	323				593		268	521	
<b>Concordia</b>			999	187	387				308		1,085		497		
<b>Conestoga</b>				57							120				
<b>Dal</b>		102	116		152		53		107	26	182	93		757	
<b>ETS</b>			1,589		1,340				397		1,297		577		
<b>Guelph</b>	363			172			346				512				
<b>Lakehead</b>		102	361		175						334		34		
<b>Laurentian</b>		139									168	174			
<b>Laval</b>	126	131	551	126	186		87	99		73	473	189	161	106	
<b>Manitoba</b>	115		251	104	302						459				290
<b>McGill</b>		385	387	158	556					219	739	144	238		
<b>McMaster</b>		371	381	175	459	127				191	590		299		880
<b>Moncton</b>			250		75						97				
<b>MUN</b>			154	53	82						237			176	330
<b>NSAC</b>															19
<b>Ottawa</b>	239	495	640	254	486						635		261		
<b>Polytechnique</b>	154	381	917	299	437	255		123	459		1,008	187	434	242	
<b>Queen's</b>		334	313	175	206	418		173				197			731
<b>Regina</b>				148			213		318				111	368	231
<b>RMC</b>		42	59	37	37						45			72	124
<b>Ryerson</b>	315	387	697	319	681				246		753			452	65
<b>Saskatchewan</b>	5	214	198	57	96	42	52	76			235				416
<b>SFU</b>						812					403				
<b>Sherbrooke</b>		231	289	222	282						435				
<b>SMU</b>															214
<b>StFX</b>															79
<b>Toronto</b>		552	461	486	753	852			369	200	733	121			220
<b>UBC</b>	75	198	401	339	513	212	57	120		133	386	143		141	819
<b>UBCO</b>			137		66						184				
<b>UNB</b>		180	330	20	211			62			371		91	86	62
<b>UNBC</b>							89								
<b>UOIT</b>					383				56		918		191	239	
<b>UPEI</b>															128
<b>UQAC</b>			145	30	63			41			107				
<b>UQAR</b>					26						54			33	
<b>UQAT</b>					29						34				
<b>UQO</b>				28											
<b>UQTR</b>		13			80				121		115				
<b>UVic</b>				62	420						428		171		453



<b>Waterloo</b>		946	483	716	557		196	92			1,425		480	563	
<b>Western</b>		194	208	46	130						350		144	44	579
<b>Windsor</b>			286		285		45		133		705				86
<b>York</b>				92							83			37	
<b>TOTAL</b>	<b>1,559</b>	<b>6,350</b>	<b>12,607</b>	<b>4,852</b>	<b>11,777</b>	<b>2,887</b>	<b>1,461</b>	<b>786</b>	<b>2,514</b>	<b>1,004</b>	<b>18,168</b>	<b>1,422</b>	<b>4,115</b>	<b>4,354</b>	<b>7,440</b>

**U.3.4 Total female undergraduate enrolment in accredited engineering programs by institution and discipline: 2015**

<b>Institution</b>	<b>Biosystems</b>	<b>Chemical</b>	<b>Civil</b>	<b>Computer</b>	<b>Electrical</b>	<b>Engineering Physics</b>	<b>Environmental</b>	<b>Geological</b>	<b>Industrial or Manufacturing</b>	<b>Materials or Metallurgical</b>	<b>Mechanical</b>	<b>Mining or Mineral</b>	<b>Software</b>	<b>Other</b>	<b>Year One/Two Common Year</b>
<b>Acadia</b>															37
<b>Alberta</b>		189	199	24	61	6			40	112	18		40		204
<b>BCIT</b>			24		23					15					
<b>Calgary</b>		118	131		113					126		25	86		192
<b>CapeBreton</b>															4
<b>Carleton</b>	59	0	201	27	125	16	100			46		29	66		
<b>Concordia</b>			274	17	65			127		141		81			
<b>Conestoga</b>				2						6					
<b>Dal</b>		37	27		16		22	25	5	19	9		163		
<b>ETS</b>			234		110			29		59		25			
<b>Guelph</b>	173			21			142			52					
<b>Lakehead</b>		32	48		8					40		3			
<b>Laurentian</b>		37								17	27				
<b>Laval</b>	57	47	102	11	17		37	34		13	37	24	23	25	
<b>Manitoba</b>	50		53	16	44					53					61
<b>McGill</b>		160	131	22	101				65	133	28	43			
<b>McMaster</b>		122	86	20	95	14			51	75		38			185
<b>Moncton</b>			149		39					19					
<b>MUN</b>			45	5	15					42			66		98
<b>NSAC</b>															1
<b>Ottawa</b>	104	165	134	36	46					75		36			
<b>Polytechnique</b>	79	204	258	36	75	54		60	196	184	26	59	38		
<b>Queen's</b>		150	130	29	36	102		80			40				214
<b>Regina</b>				12			82		43			12	59		42
<b>RMC</b>		12	6	3	5					10			3		9
<b>Ryerson</b>	144	122	146	35	75				77	58			64		18
<b>Saskatchewan</b>	1	60	52	4	8	4	24	17		22					81
<b>SFU</b>						156				40					
<b>Sherbrooke</b>		79	63	13	15					44					
<b>SMU</b>															32
<b>StFX</b>															27
<b>Toronto</b>		223	155	87	151	210		143	69	140	26				79
<b>UBC</b>	32	71	96	61	93	31	29	46		29	85	18		31	241
<b>UBCO</b>			24		6					18					
<b>UNB</b>		59	72	1	17			20		40		11	13		12
<b>UNBC</b>							35								
<b>UOIT</b>					32				5	61		16	30		
<b>UPEI</b>															14

UQAC			33	2	4			13			11				
UQAR					1						2		3		
UQAT					4						5				
UQO					7										
UQTR		2			9			42			9				
UVic				2	40						44	14		88	
Waterloo		297	156	75	82		103	22			180	78	199		
Western		71	55	3	20						44	18	19	113	
Windsor			61		42		20		26		74			19	
York					20						12			9	
<b>TOTAL</b>	<b>699</b>	<b>2,257</b>	<b>3,145</b>	<b>591</b>	<b>1,593</b>	<b>593</b>	<b>594</b>	<b>292</b>	<b>714</b>	<b>272</b>	<b>2,150</b>	<b>216</b>	<b>511</b>	<b>914</b>	<b>1,771</b>

## Undergraduate Degrees Awarded (UD)

Table UD.1.1 Total undergraduate degrees awarded by discipline: 2011 to 2015.

Discipline	2011	2012	2013	2014	2015
Biosystems	153	152	194	211	235
Chemical	1,161	1,278	1,307	1,292	1,297
Civil	2,235	2,325	2,751	2,688	2,772
Computer	568	630	686	573	713
Electrical	2,041	2,055	2,137	2,202	2,375
EngineeringPhysics	453	515	548	532	599
Environmental	229	258	300	360	337
Geological	128	121	164	152	192
Industrial or Manufacturing	350	369	361	440	527
Materials or Metallurgical	211	207	216	213	235
Mechanical	2,966	3,153	3,255	3,338	3,634
Mining or Mineral	222	237	220	280	307
Software	366	413	434	547	632
Other	678	669	790	908	702
Year One/Two Common Year				140	20
<b>TOTAL</b>	<b>11,761</b>	<b>12,382</b>	<b>13,363</b>	<b>13,876</b>	<b>14,577</b>

Table UD.1.2 Total undergraduate degrees awarded to female students by discipline: 2011 to 2015.

Discipline	2011	2012	2013	2014	2015
Biosystems	153	76	87	101	97
Chemical	399	444	427	402	442
Civil	491	500	605	597	644
Computer	57	69	71	59	67
Electrical	248	259	283	330	335
Engineering Physics	86	76	92	93	115
Environmental	95	116	121	147	138
Geological	42	44	58	57	71
Industrial or Manufacturing	89	94	73	125	139
Materials or Metallurgical	51	58	43	53	51
Mechanical	282	324	344	357	391
Mining or Mineral	46	35	38	44	64
Software	42	39	43	57	57
Other	150	101	162	182	129
Year One/Two Common Year				33	1
<b>TOTAL</b>	<b>2,231</b>	<b>2,235</b>	<b>2,447</b>	<b>2,637</b>	<b>2,741</b>

Table UD.2.1 Total undergraduate degrees awarded by province: 2011 to 2015.

Province	2011	2012	2013	2014	2015
AB	1,298	1,246	1,282	1,346	1,373

<b>BC</b>	1,126	1,161	1,278	1,324	1,519
<b>MB</b>	197	172	188	219	218
<b>NB</b>	240	270	320	308	307
<b>NL</b>	151	166	270	194	196
<b>NS</b>	469	397	477	722	338
<b>ON</b>	5,075	5,508	5,927	5,996	6,465
<b>QC</b>	2,850	3,043	3,202	3,370	3,676
<b>SK</b>	355	419	419	397	485
<b>TOTAL</b>	<b>11,761</b>	<b>12,382</b>	<b>13,363</b>	<b>13,876</b>	<b>14,577</b>

Table UD.2.2 Total undergraduate degrees awarded to female students by province: 2011 to 2015

Province	2011	2012	2013	2014	2015
<b>AB</b>	90	95	107	122	114
<b>BC</b>	91	110	109	140	197
<b>MB</b>	28	20	14	34	44
<b>NB</b>	38	45	57	70	71
<b>NL</b>	14	4	16	30	22
<b>NS</b>	64	44	65	108	56
<b>ON</b>	411	577	585	640	816
<b>QC</b>	271	327	353	424	421
<b>SK</b>	40	34	63	63	84
<b>TOTAL</b>	<b>1,047</b>	<b>1,256</b>	<b>1,369</b>	<b>1,631</b>	<b>1,825</b>

Table UD.2.3 Total undergraduate degrees awarded to foreign students by province: 2011 to 2015.

Province	2011	2012	2013	2014	2015
<b>AB</b>	90	95	107	122	114
<b>BC</b>	91	110	109	140	197
<b>MB</b>	28	20	14	34	44
<b>NB</b>	38	45	57	70	71
<b>NL</b>	14	4	16	30	22
<b>NS</b>	64	44	65	108	56
<b>ON</b>	411	577	585	640	816
<b>QC</b>	271	327	353	424	421
<b>SK</b>	40	34	63	63	84
<b>TOTAL</b>	<b>1,047</b>	<b>1,256</b>	<b>1,369</b>	<b>1,631</b>	<b>1,825</b>

Table UD.2.4 Total undergraduate degrees awarded by province and discipline: 2015.

Discipline	AB	BC	MB	NB	NL	NS	ON	QC	SK
<b>Biosystems</b>		33	14				138	40	10
<b>Chemical</b>	203	62		52		39	710	173	58
<b>Civil</b>	250	216	51	89	39	40	1,057	953	77
<b>Computer</b>	39	136	11	6	9	1	342	140	29
<b>Electrical</b>	267	256	44	48	29	57	1,050	592	32
<b>Engineering Physics</b>	21	168					330	67	13
<b>Environmental</b>		55				24	193	26	39
<b>Geological</b>		38		6			70	44	34
<b>Industrial or Manufacturing</b>						44	173	268	42
<b>Materials or Metallurgical</b>	42	48				8	81	56	
<b>Mechanical</b>	354	396	98	68	75	73	1,572	918	80
<b>Mining or Mineral</b>	38	45				32	112	80	
<b>Software</b>	41	26		6			283	267	9
<b>Other</b>	118	40		32	44		354	52	62
<b>Year One/Two Common Year</b>									
<b>TOTAL</b>	<b>1,373</b>	<b>1,519</b>	<b>218</b>	<b>307</b>	<b>196</b>	<b>318</b>	<b>6,465</b>	<b>3,676</b>	<b>485</b>

**Table UD.2.5 Total undergraduate degrees awarded to women by province and discipline: 2015.**

Discipline	AB	BC	MB	NB	NL	NS	ON	QC	SK
<b>Biosystems</b>		18	10				54	13	2
<b>Chemical</b>	75	18		13		9	237	75	15
<b>Civil</b>	82	50	13	19	17	3	224	219	17
<b>Computer</b>	5	17	2	2			28	10	3
<b>Electrical</b>	40	37	8	5	2	10	156	72	5
<b>Engineering Physics</b>	2	33					66	12	2
<b>Environmental</b>		20				16	72	16	14
<b>Geological</b>		14		5			30	12	10
<b>Industrial or Manufacturing</b>						11	51	72	5
<b>Materials or Metallurgical</b>	13	10				2	17	9	
<b>Mechanical</b>	54	36	9	5	13	9	162	97	6
<b>Mining or Mineral</b>	11	3				3	23	24	
<b>Software</b>	10	1					26	19	1
<b>Other</b>	27	8		4	10		69	6	5
<b>Year One/Two Common Year</b>						1			
<b>TOTAL</b>	<b>319</b>	<b>265</b>	<b>42</b>	<b>53</b>	<b>42</b>	<b>64</b>	<b>1,215</b>	<b>656</b>	<b>85</b>

**Table UD.3.1 Total undergraduate degrees awarded by institution: 2011 to 2015.**

Institution	2011	2012	2013	2014	2015
<b>Acadia</b>				68	
<b>Alberta</b>	836	805	760	737	792
<b>BCIT</b>	36	41	52	54	71
<b>Calgary</b>	462	441	522	609	581
<b>Carleton</b>	395	401	427	453	530
<b>Concordia</b>	350	402	462	458	491
<b>Conestoga</b>	9	11	11	30	26
<b>Dal</b>	469	397	477	582	318
<b>ETS</b>	724	681	828	788	898
<b>Guelph</b>	95	87	104	220	212
<b>Lakehead</b>	223	282	302	283	298
<b>Laurentian</b>	118	132	249	83	78
<b>Laval</b>	347	327	300	300	441
<b>Manitoba</b>	197	172	188	219	218
<b>McGill</b>	456	513	487	546	574
<b>McMaster</b>	582	583	590	588	653
<b>Moncton</b>	30	45	67	71	49
<b>MUN</b>	151	166	270	194	196
<b>NSAC</b>				72	20
<b>Ottawa</b>	252	254	286	363	374
<b>Polytechnique</b>	583	659	686	790	780
<b>Queen's</b>	507	620	641	594	595
<b>Regina</b>	104	128	123	158	160
<b>RMC</b>	77	72	93	0	89
<b>Ryerson</b>	409	442	514	557	567
<b>Saskatchewan</b>	251	291	296	239	325
<b>SFU</b>	94	112	142	157	189
<b>Sherbrooke</b>	284	291	279	276	286
<b>SMU</b>				0	
<b>Toronto</b>	893	962	960	938	1,035
<b>UBC</b>	723	716	764	758	889
<b>UBCO</b>	103	118	142	145	151

<b>UNB</b>	210	225	253	237	258
<b>UNBC</b>	19	14	14	25	28
<b>UOIT</b>	158	196	228	239	262
<b>UQAC</b>	44	42	65	71	72
<b>UQAM</b>	4	9	9	6	
<b>UQAR</b>	15	14	16	16	16
<b>UQAT</b>	18	11	7	10	14
<b>UQO</b>	1	35	7	5	5
<b>UQTR</b>	24	59	56	104	99
<b>UVic</b>	151	160	164	185	191
<b>Waterloo</b>	950	990	1,082	1,113	1,194
<b>Western</b>	208	232	249	291	305
<b>Windsor</b>	184	222	191	221	218
<b>York</b>	15	22		23	29
<b>TOTAL</b>	<b>11,761</b>	<b>12,382</b>	<b>13,363</b>	<b>13,876</b>	<b>14,577</b>

**Table UD.3.2 Total undergraduate degrees awarded to female students by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Acadia</b>				16	
<b>Alberta</b>	186	150	159	141	176
<b>BCIT</b>	2	1	1	1	2
<b>Calgary</b>	116	109	131	136	143
<b>Carleton</b>	54	69	74	74	94
<b>Concordia</b>	51	63	88	96	92
<b>Conestoga</b>	0	1	1	5	1
<b>Dal</b>	108	80	101	125	63
<b>ETS</b>	68	54	90	65	83
<b>Guelph</b>	22	35	30	58	49
<b>Lakehead</b>	22	20	28	30	31
<b>Laurentian</b>	24	27	33	16	8
<b>Laval</b>	60	61	49	49	90
<b>Manitoba</b>	27	22	29	52	42
<b>McGill</b>	91	112	75	134	127
<b>McMaster</b>	98	100	104	111	101
<b>Moncton</b>	0	8	8	20	10
<b>MUN</b>	33	28	77	44	42
<b>NSAC</b>				17	1
<b>Ottawa</b>	44	40	57	70	82
<b>Polytechnique</b>	127	157	148	168	175
<b>Queen's</b>	120	154	170	159	170
<b>Regina</b>	34	29	23	36	22
<b>RMC</b>	14	4	11	0	9
<b>Ryerson</b>	54	80	92	112	112
<b>Saskatchewan</b>	42	65	69	47	63
<b>SFU</b>	14	13	12	21	37
<b>Sherbrooke</b>	51	35	46	40	46
<b>SMU</b>				0	
<b>Toronto</b>	175	227	207	237	236
<b>UBC</b>	152	135	128	141	185
<b>UBCO</b>	19	13	11	20	21
<b>UNB</b>	45	43	37	45	43
<b>UNBC</b>	10	7	8	10	10
<b>UOIT</b>	12	21	21	17	16
<b>UQAC</b>	2	6	8	10	5
<b>UQAM</b>	0	0	0	0	

<b>UQAR</b>	1	1	0	3	2
<b>UQAT</b>	1	1	2	1	3
<b>UQO</b>	0	4	2	0	0
<b>UQTR</b>	2	2	10	27	33
<b>UVic</b>	11	15	12	17	10
<b>Waterloo</b>	162	156	218	189	201
<b>Western</b>	48	49	48	48	64
<b>Windsor</b>	23	33	29	26	38
<b>York</b>	4	5		3	3
<b>TOTAL</b>	<b>2,129</b>	<b>2,235</b>	<b>2,447</b>	<b>2,637</b>	<b>2,741</b>

Table UD.3.3 Total undergraduate degrees awarded by institution and discipline: 2015.

Institution	Biosystems	Chemical	Civil	Computer	Electrical	Engineering Physics	Environmental	Geological	Industrial or Manufacturing	Materials or Metallurgical	Mechanical	Mining or Mineral	Software	Other
Alberta		122	163	39	123	21				42	191	38		53
BCIT			25		15						31			
Calgary		81	87		144						163		41	65
Carleton	17		125	24	104	8	61				88		21	82
Concordia			172	19	46				43		158		53	
Conestoga				6							20			
Dal		39	40	1	57		24		44	8	73	32		
ETS			277		216				75		232		98	
Guelph	50			21			70				71			
Lakehead		31	148		40						72		7	
Laurentian		24									32	22		
Laval	16	18	132	10	21	26	26	19	22	18	73	19	24	17
Manitoba	14		51	11	44						98			
McGill		69	99	26	142					38	149	23	28	
McMaster		99	110	24	136	38				34	142		70	
Moncton			19		8						16			6
MUN			39	9	29						75			44
NSAC														
Ottawa	27	76	111	20	46						71		23	
Polytechnique	24	49	172	49	65	41		23	73		150	38	64	32
Queen's		69	73	31	42	116		52			153	59		
Regina				17			30		42				9	62
RMC		8	24	18	11						16			12
Ryerson	44	40	96	27	101				70		114			75
Saskatchewan	10	58	77	12	32	13	9	34			80			
SFU						113					76			
Sherbrooke		34	68	27	58						99			
Toronto		94	136		267	168			84	47	208	31		
UBC	33	62	131	116	162	55	27	38		48	132	45		40
UBCO			60		16						75			
UNB		52	70	6	40			6			52		6	26
UNBC							28							
UOIT					62				4		135		16	45
UQAC			33	4	9			2			24			
UQAR					5						8			3
UQAT					8						6			
UQO				5										
UQTR		3			22				55		19			
UVic				20	63						82		26	
Waterloo		225	101	146	160		49	18			272		103	120
Western		44	75	9	31						90		43	13
Windsor			58		50		13		15		82			
York				16							6			7
<b>TOTAL</b>	<b>235</b>	<b>1,297</b>	<b>2,772</b>	<b>713</b>	<b>2,375</b>	<b>599</b>	<b>337</b>	<b>192</b>	<b>527</b>	<b>235</b>	<b>3,634</b>	<b>307</b>	<b>632</b>	<b>702</b>

Table UD.3.4 Total undergraduate degrees awarded to women by institution and discipline: 2015.

Institution	Biosystems	Chemical	Civil	Computer	Electrical	Engineering Physics	Environmental	Geological	Industrial or Manufacturing	Materials or Metallurgical	Mechanical	Mining or Mineral	Software	Other
Alberta		46	57	5	13	2				13	24	11		5
BCIT			1		1									
Calgary		29	25		27						30		10	22
Carleton	6		26	3	18	2	19				7		1	12
Concordia			47	1	7				13		19		5	
Conestoga											1			
Dal		9	3		10		16		11	2	9	3		
ETS			53		20				2		5		3	
Guelph	18						26				5			
Lakehead		10	18								3			
Laurentian		5										3		
Laval	4	9	24	1	1	8	16	4	6	3	7	1	4	2
Manitoba	10		13	2	8						9			
McGill		26	34	4	24					6	28	2	3	
McMaster		30	16	1	24	4				9	10		7	
Moncton			5		2						2			1
MUN			17		2						13			10
NSAC														
Ottawa	14	29	24	1	5						7		2	
Polytechnique	9	23	47	2	9	4		8	24		21	21	4	3
Queen's		33	26	7	4	26		25			36	13		
Regina				2			9		5				1	5
RMC		1	1	3	1						1			2
Ryerson	16	16	25		12				26		6			11
Saskatchewan	2	15	17	1	5	2	5	10			6			
SFU						30					7			
Sherbrooke		16	10	1	6						13			
Toronto		40	41		48	34			23	8	35	7		
UBC	18	18	34	17	31	3	10	14		10	19	3		8
UBCO			15		3						3			
UNB		13	14	2	3			5			3			3
UNBC							10							
UOIT					4						4		1	7
UQAC			4	1										
UQAR											1			1
UQAT					1						2			
UQO														
UQTR		1			4				27		1			
UVic					2						7		1	
Waterloo		56	20	11	20		22	5			27		10	30
Western		17	18		6						12		5	6
Windsor			9		14		5		2		8			
York				2										1
<b>TOTAL</b>	<b>97</b>	<b>442</b>	<b>644</b>	<b>67</b>	<b>335</b>	<b>115</b>	<b>138</b>	<b>71</b>	<b>139</b>	<b>51</b>	<b>391</b>	<b>64</b>	<b>57</b>	<b>129</b>



## Post-graduate Enrolment (G)

Table G.1.1 Total full-time master's students: 2011 to 2015.

Year	2011	2012	2013	2014	2015
<b>Cdn Male</b>	5,034	4,818	4,654	4,001	4,259
<b>Cdn Female</b>	1,431	1,385	1,396	1,221	1,334
<b>Visa Male</b>	3,663	4,252	4,454	4,945	5,569
<b>Visa Female</b>	1,083	1,298	1,348	1,679	1,877
<b>TOTAL</b>	<b>11,211</b>	<b>11,753</b>	<b>11,852</b>	<b>11,845</b>	<b>13,039</b>

Table G.1.2 Total full-time doctoral students: 2011 to 2015.

Year	2011	2012	2013	2014	2015
<b>Cdn Male</b>	3,287	3,390	3,336	3,065	3,063
<b>Cdn Female</b>	876	966	1,089	1,000	989
<b>Visa Male</b>	2,802	3,227	3,287	3,615	4,018
<b>Visa Female</b>	763	894	997	1,076	1,149
<b>TOTAL</b>	<b>7,728</b>	<b>8,477</b>	<b>8,709</b>	<b>8,756</b>	<b>9,219</b>

Table G.1.3 Total part-time master's students: 2011 to 2015.

Year	2011	2012	2013	2014	2015
<b>Cdn Male</b>	1,991	1,978	1,790	1,290	1,190
<b>Cdn Female</b>	444	554	498	395	324
<b>Visa Male</b>	202	132	204	203	228
<b>Visa Female</b>	42	40	47	64	70
<b>Total</b>	<b>2,679</b>	<b>2,704</b>	<b>2,539</b>	<b>1,952</b>	<b>1,812</b>

Table G.1.4 Total part-time doctoral students: 2011 to 2015.

Year	2011	2012	2013	2014	2015
<b>Cdn Male</b>	373	311	285	239	255
<b>Cdn Female</b>	69	51	59	52	56
<b>Visa Male</b>	45	36	39	34	34
<b>Visa Female</b>	6	6	2	9	6
<b>Total</b>	<b>493</b>	<b>404</b>	<b>385</b>	<b>334</b>	<b>351</b>

Table G.1.5 Total full-time equivalent master's students by discipline: 2011 to 2015.

Discipline	2011	2012	2013	2014	2015
<b>Biosystems</b>	442	382	378	415	431
<b>Chemical</b>	1,082	1,099	1,026	910	989
<b>Civil</b>	2,068	2,060	1,875	1,843	2,064
<b>Computer</b>	337	322	439	337	402
<b>Electrical</b>	3,014	3,432	3,420	3,412	3,645
<b>Engineering Physics</b>	167	202	184	202	203
<b>Environmental</b>	270	268	296	352	360
<b>Geological</b>	20	19	18	16	16
<b>Industrial or Manufacturing</b>	403	392	427	449	415
<b>Materials or Metallurgical</b>	224	246	261	242	239
<b>Mechanical</b>	1,958	2,083	2,110	2,148	2,517
<b>Mining or Mineral</b>	160	160	148	188	211
<b>Software</b>	177	203	284	297	344
<b>Other</b>	1,805	1,826	1,856	1,836	1,878
<b>TOTAL</b>	<b>12,127</b>	<b>12,694</b>	<b>12,722</b>	<b>12,646</b>	<b>13,714</b>

**Table G.1.6 Total full-time equivalent doctoral students by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	400	325	429	448	483
<b>Chemical</b>	870	1,076	1,007	958	966
<b>Civil</b>	1,191	1,282	1,292	1,334	1,423
<b>Computer</b>	157	156	145	149	199
<b>Electrical</b>	2,230	2,445	2,354	2,406	2,423
<b>Engineering Physics</b>	174	211	219	227	247
<b>Environmental</b>	97	99	136	116	126
<b>Geological</b>	7	8	11	6	2
<b>Industrial or Manufacturing</b>	224	176	185	185	214
<b>Materials or Metallurgical</b>	273	375	359	366	362
<b>Mechanical</b>	1,340	1,495	1,631	1,608	1,661
<b>Mining or Mineral</b>	102	101	100	119	124
<b>Software</b>	18	18	27	51	17
<b>Other</b>	894	863	958	928	1,134
<b>TOTAL</b>	<b>7,977</b>	<b>8,630</b>	<b>8,853</b>	<b>8,901</b>	<b>9,381</b>

**Table G.1.7 Total full-time equivalent female master's students by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	191	169	152	164	171
<b>Chemical</b>	337	383	358	321	370
<b>Civil</b>	570	543	505	489	566
<b>Computer</b>	62	58	56	68	83
<b>Electrical</b>	539	671	721	789	840
<b>Engineering Physics</b>	41	43	42	45	44
<b>Environmental</b>	91	110	134	162	162
<b>Geological</b>	8	9	7	5	4
<b>Industrial or Manufacturing</b>	103	113	114	112	98
<b>Materials or Metallurgical</b>	74	73	77	68	66
<b>Mechanical</b>	250	267	276	328	383
<b>Mining or Mineral</b>	48	42	35	47	53
<b>Software</b>	28	36	54	66	86
<b>Other</b>	347	370	401	412	426
<b>TOTAL</b>	<b>2,689</b>	<b>2,887</b>	<b>2,932</b>	<b>3,076</b>	<b>3,352</b>

**Table G.1.8 Total full-time equivalent female doctoral students by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	153	122	160	161	174
<b>Chemical</b>	278	346	351	327	316
<b>Civil</b>	264	309	317	337	350
<b>Computer</b>	44	42	36	33	46
<b>Electrical</b>	370	407	427	452	456
<b>Engineering Physics</b>	25	41	47	52	55
<b>Environmental</b>	25	34	51	44	52
<b>Geological</b>	2	2	3	2	1
<b>Industrial or Manufacturing</b>	37	39	39	42	53
<b>Materials or Metallurgical</b>	60	99	99	106	121
<b>Mechanical</b>	218	253	347	278	264
<b>Mining or Mineral</b>	26	26	26	36	36

<b>Software</b>	3	2	4	9	2
<b>Other</b>	175	162	204	226	250
<b>TOTAL</b>	1,680	1,884	2,111	2,105	2,176

**Table G.1.9 Total full-time equivalent visa master's students by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	125	114	130	117	127
<b>Chemical</b>	446	523	398	492	533
<b>Civil</b>	644	681	701	708	849
<b>Computer</b>	156	164	203	184	234
<b>Electrical</b>	1,498	1,892	1,904	2,200	2,390
<b>Engineering Physics</b>	52	61	67	61	73
<b>Environmental</b>	104	118	132	185	185
<b>Geological</b>	1	3	6	5	4
<b>Industrial or Manufacturing</b>	183	170	218	247	236
<b>Materials or Metallurgical</b>	95	107	124	109	103
<b>Mechanical</b>	635	816	913	1,056	1,352
<b>Mining or Mineral</b>	68	71	73	85	99
<b>Software</b>	71	95	184	231	258
<b>Other</b>	747	803	858	1,056	1,132
<b>TOTAL</b>	4,825	5,618	5,911	6,736	7,575

**Table G.1.10 Total full-time equivalent visa doctoral students by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	124	101	161	175	188
<b>Chemical</b>	444	555	481	523	552
<b>Civil</b>	504	583	613	678	738
<b>Computer</b>	68	74	80	76	113
<b>Electrical</b>	1,030	1,194	1,209	1,328	1,422
<b>Engineering Physics</b>	54	83	98	108	127
<b>Environmental</b>	37	46	61	63	62
<b>Geological</b>	3	2	5	1	2
<b>Industrial or Manufacturing</b>	96	86	100	98	113
<b>Materials or Metallurgical</b>	160	219	199	218	229
<b>Mechanical</b>	636	734	786	872	955
<b>Mining or Mineral</b>	51	48	49	61	65
<b>Software</b>	8	7	11	17	5
<b>Other</b>	377	408	450	494	641
<b>TOTAL</b>	3,592	4,140	4,303	4,712	5,212

**G.2.1 Total full-time equivalent master's students by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	2,013	1,578	1,307	1,071	1,214
<b>BC</b>	892	851	848	857	1,065
<b>MB</b>	187	214	228	248	245
<b>NB</b>	187	180	171	133	151
<b>NL</b>	231	277	267	298	300
<b>NS</b>	356	335	418	389	367
<b>ON</b>	4,506	4,814	5,343	5,296	5,503
<b>QC</b>	3,465	4,123	3,799	4,023	4,479

<b>SK</b>	290	323	344	332	391
<b>TOTAL</b>	12,127	12,695	12,725	12,647	13,715

**Table G.2.2 Total full-time equivalent doctoral students by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	1,241	1,233	1,141	1,081	1,101
<b>BC</b>	818	885	895	884	1,039
<b>MB</b>	205	213	214	214	240
<b>NB</b>	106	114	111	86	76
<b>NL</b>	86	100	127	151	165
<b>NS</b>	144	91	113	123	144
<b>ON</b>	2,965	3,103	3,294	3,394	3,423
<b>QC</b>	2,218	2,701	2,751	2,768	2,858
<b>SK</b>	197	190	206	200	337
<b>TOTAL</b>	7,980	8,630	8,852	8,901	9,383

**Table G.2.3 Total full-time equivalent female master's students by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	439	416	361	325	360
<b>BC</b>	220	196	194	197	243
<b>MB</b>	40	49	57	67	61
<b>NB</b>	35	34	35	24	41
<b>NL</b>	50	69	72	69	63
<b>NS</b>	45	44	61	62	78
<b>ON</b>	1,008	1,077	1,212	1,302	1,378
<b>QC</b>	757	910	847	943	1,029
<b>SK</b>	93	91	95	87	100
<b>TOTAL</b>	2,687	2,886	2,934	3,076	3,353

**Table G.2.4 Total full-time equivalent female doctoral students by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	260	269	332	276	255
<b>BC</b>	165	183	188	190	200
<b>MB</b>	34	39	42	44	50
<b>NB</b>	27	31	34	21	17
<b>NL</b>	14	16	23	32	34
<b>NS</b>	28	21	29	28	33
<b>ON</b>	624	674	743	766	792
<b>QC</b>	486	601	667	688	714
<b>SK</b>	42	48	53	60	83
<b>TOTAL</b>	1,680	1,882	2,112	2,104	2,177

**Table G.2.5 Total full-time equivalent visa master's students by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	906	801	610	622	656
<b>BC</b>	399	427	459	502	665

<b>MB</b>	88	109	123	135	134
<b>NB</b>	93	88	87	68	60
<b>NL</b>	163	217	205	245	264
<b>NS</b>	225	247	294	268	255
<b>ON</b>	1,367	1,759	1,983	2,474	2,737
<b>QC</b>	1,401	1,756	1,916	2,183	2,538
<b>SK</b>	183	212	236	241	267
<b>TOTAL</b>	4,825	5,617	5,912	6,737	7,576

**Table G.2.6 Total full-time equivalent visa doctoral students by province: 2011 to 2015.**

Province	2011	2012	2013	2014	2015
<b>AB</b>	620	696	485	719	721
<b>BC</b>	477	522	534	536	643
<b>MB</b>	100	114	123	135	148
<b>NB</b>	65	74	77	57	27
<b>NL</b>	45	56	80	105	125
<b>NS</b>	57	40	48	64	67
<b>ON</b>	1,050	1,163	1,358	1,454	1,586
<b>QC</b>	1,061	1,348	1,452	1,503	1,710
<b>SK</b>	116	127	143	139	187
<b>TOTAL</b>	3,591	4,139	4,300	4,712	5,213

**Table G.2.7 Total full-time equivalent postgraduate student enrolment by province and discipline: 2015.**

Discipline	AB	BC	MB	NB	NL	NS	ON	QC	SK	Total
<b>Biosystems</b>	76	185	63	2		43	340	118	87	914
<b>Chemical</b>	539			43		28	899	405	41	1,956
<b>Civil</b>	414	413	108	35	43	56	1,282	1,137		3,487
<b>Computer</b>	71	1			70		246	159	55	601
<b>Electrical</b>	356	663	172	53	52	84	2,822	1,765	100	6,068
<b>Engineering Physics</b>	104	113				15	77	141		451
<b>Environmental</b>		17			25	15	207	145	76	486
<b>Geological</b>		3					15			18
<b>Industrial or Manufacturing</b>			57			32	72	415	52	629
<b>Materials or Metallurgical</b>	90	91				19	171	230		601
<b>Mechanical</b>	404	535	86	36	52	48	1,824	1,093	100	4,179
<b>Mining or Mineral</b>	95	82				7	78	73		335
<b>Software</b>							40	310	12	361
<b>Other</b>	167			57	223	163	853	1,345	204	3,012

**Table G.2.8 Total full-time equivalent female postgraduate student enrolment by province and discipline: 2015.**

Discipline	AB	BC	MB	NB	NL	NS	ON	QC	SK	Total
<b>Biosystems</b>	33	57	20	1		16	141	52	26	345
<b>Chemical</b>	164			18	6	335	146	17		686
<b>Civil</b>	135	90	30	8	11	23	329	290		916
<b>Computer</b>	15	0			12	59	32	11		129
<b>Electrical</b>	85	132	41	12	13	13	611	373	17	1,297
<b>Engineering Physics</b>	25	27				2	13	32		99
<b>Environmental</b>		6			15	6	94	59	35	214
<b>Geological</b>		1					4			5
<b>Industrial or Manufacturing</b>			10			10	12	109	11	151

<b>Materials or Metallurgical</b>	26	32				4	47	77		187
<b>Mechanical</b>	72	70	10	6	5	7	306	150	20	647
<b>Mining or Mineral</b>	19	26				1	19	24		89
<b>Software</b>							8	78	2	88
<b>Other</b>	41			13	43	21	192	322	44	677

**Table G.3.1 Total full-time postgraduate students by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Alberta</b>	1,541	1,495	1,493	1,344	1,317
<b>Calgary</b>	1,519	1,223	898	788	998
<b>Carleton</b>	572	669	717	727	757
<b>Concordia</b>	1,517	1,677	1,752	1,879	2,102
<b>Dal</b>	491	415	520	487	489
<b>ETS</b>	804	1,161	918	1,116	1,249
<b>Guelph</b>	125	132	128	155	161
<b>Lakehead</b>	46	48	41	56	74
<b>Laurentian</b>	38	55	31	50	37
<b>Laval</b>	490	487	531	531	494
<b>Manitoba</b>	378	414	429	452	477
<b>McGill</b>	579	1,081	969	842	846
<b>McMaster</b>	643	581	706	697	736
<b>Moncton</b>	13	15	15	10	18
<b>MUN</b>	290	348	363	423	465
<b>NSAC</b>					
<b>Ottawa</b>	466	608	810	918	904
<b>Polytechnique</b>	1,259	1,273	1,288	1,314	1,400
<b>Queen's</b>	450	433	446	471	467
<b>Regina</b>	173	170	182	188	231
<b>RMC</b>	112	96	88	92	95
<b>Ryerson</b>	582	718	707	551	584
<b>Saskatchewan</b>	300	324	342	324	425
<b>SFU</b>	211	207	190	194	181
<b>Sherbrooke</b>	482	523	492	485	540
<b>SMU</b>				2	7
<b>Toronto</b>	1,450	1,549	1,688	1,839	1,900
<b>UBC</b>	1,072	1,068	1,074	1,037	984
<b>UBCO</b>	130	140	142	164	549
<b>UNB</b>	226	234	221	166	163
<b>UOIT</b>	151	142	214	158	174
<b>UQAC</b>	134	117	147	94	211
<b>UQAM</b>				18	
<b>UQAR</b>	16	19	15	22	25
<b>UQAT</b>	47	38	23	28	29
<b>UQTR</b>	92	101	110	117	125
<b>UVic</b>	257	306	324	304	337
<b>Waterloo</b>	1,244	1,293	1,339	1,290	1,261
<b>Western</b>	566	556	574	582	708
<b>Windsor</b>	456	510	628	670	717
<b>York</b>			6	17	24

**Table G.3.2 Total part-time postgraduate students by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
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<b>Alberta</b>	0	0	0	0	0
<b>Calgary</b>	274	234	158	33	0
<b>Carleton</b>	171	162	139	140	128
<b>Concordia</b>	104	100	87	107	136
<b>Dal</b>	26	17	12	40	13
<b>ETS</b>	450	331	364	387	365
<b>Guelph</b>	37	35	27	28	24
<b>Lakehead</b>	0	0	1	0	0
<b>Laurentian</b>	8	0	26	0	1
<b>Laval</b>	49	55	41	39	42
<b>Manitoba</b>	49	45	43	37	31
<b>McGill</b>	12	58	0	48	56
<b>McMaster</b>	481	464	453	107	85
<b>Moncton</b>	2	0	0	9	6
<b>MUN</b>	53	55	58	76	76
<b>NSAC</b>				0	
<b>Ottawa</b>	99	110	101	109	131
<b>Polytechnique</b>	88	109	112	114	127
<b>Queen's</b>	38	58	50	35	34
<b>Regina</b>	28	38	41	38	39
<b>RMC</b>	17	20	17	23	25
<b>Ryerson</b>	107	93	150	79	72
<b>Saskatchewan</b>	0	0	0	0	0
<b>SFU</b>	9	8	14	18	27
<b>Sherbrooke</b>	171	153	145	0	0
<b>SMU</b>				0	0
<b>Toronto</b>	192	214	201	168	146
<b>UBC</b>	36	33	26	105	105
<b>UBCO</b>	0	0	0	0	2
<b>UNB</b>	51	44	41	42	45
<b>UOIT</b>	32	50	63	61	72
<b>UQAC</b>	0	0	0	5	0
<b>UQAM</b>				0	
<b>UQAR</b>	0	0	2	0	1
<b>UQAT</b>	0	0	0	2	2
<b>UQTR</b>	21	139	114	76	38
<b>UVic</b>	0	0	0	0	0
<b>Waterloo</b>	397	405	375	304	278
<b>Western</b>	151	55	37	27	29
<b>Windsor</b>	15	19	23	28	23
<b>York</b>			2	3	4
<b>TOTAL</b>	3,167	3,104	2,924	2,286	2,163

**Table G.3.3 Total full-time female postgraduate students by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Alberta</b>	359	365	438	378	347
<b>Calgary</b>	303	301	246	219	268
<b>Carleton</b>	110	137	152	163	177
<b>Concordia</b>	321	363	391	440	489
<b>Dal</b>	72	65	88	89	108
<b>ETS</b>	148	223	186	270	293
<b>Guelph</b>	29	29	30	43	49
<b>Lakehead</b>	5	10	4	9	14

<b>Laurentian</b>	7	9	3	10	8
<b>Laval</b>	101	99	116	116	127
<b>Manitoba</b>	71	85	97	108	109
<b>McGill</b>	128	235	206	194	197
<b>McMaster</b>	164	164	194	186	189
<b>Moncton</b>	3	1	2	2	4
<b>MUN</b>	61	79	89	97	98
<b>NSAC</b>				-	
<b>Ottawa</b>	104	135	203	252	245
<b>Polytechnique</b>	351	361	379	380	378
<b>Queen's</b>	112	97	100	104	104
<b>Regina</b>	40	45	53	55	52
<b>RMC</b>	25	17	17	15	15
<b>Ryerson</b>	99	117	115	117	133
<b>Saskatchewan</b>	92	88	89	86	107
<b>SFU</b>	41	40	41	45	46
<b>Sherbrooke</b>	85	88	83	87	88
<b>SMU</b>				-	-
<b>Toronto</b>	369	405	440	492	527
<b>UBC</b>	261	256	262	261	258
<b>UBCO</b>	28	30	23	20	68
<b>UNB</b>	52	59	56	34	44
<b>UOIT</b>	22	21	41	33	38
<b>UQAC</b>	33	26	40	29	66
<b>UQAM</b>				2	
<b>UQAR</b>	2	2	1	2	3
<b>UQAT</b>	5	6	4	4	5
<b>UQTR</b>	18	17	28	26	29
<b>UVic</b>	43	49	53	53	60
<b>Waterloo</b>	284	290	303	292	286
<b>Western</b>	116	137	146	152	190
<b>Windsor</b>	79	89	110	105	126
<b>York</b>			1	5	7
<b>TOTAL</b>	<b>4,143</b>	<b>4,541</b>	<b>4,829</b>	<b>4,975</b>	<b>5,350</b>

**Table G.3.4 Total part-time female postgraduate students by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Alberta</b>	0	0	0	0	0
<b>Calgary</b>	39	47	24	6	0
<b>Carleton</b>	34	29	24	31	30
<b>Concordia</b>	22	19	13	18	23
<b>Dal</b>	3	1	3	1	2
<b>ETS</b>	77	67	80	90	80
<b>Guelph</b>	6	8	11	12	8
<b>Lakehead</b>	0	0	0	0	0
<b>Laurentian</b>	1	0	4	0	0
<b>Laval</b>	13	14	6	8	7
<b>Manitoba</b>	11	13	8	8	5
<b>McGill</b>	2	12	0	6	9
<b>McMaster</b>	81	77	74	23	11
<b>Moncton</b>	0	0	0	2	2
<b>MUN</b>	6	11	11	13	9
<b>NSAC</b>				0	



<b>Ottawa</b>	19	18	20	27	32
<b>Polytechnique</b>	20	28	30	40	43
<b>Queen's</b>	8	13	11	6	6
<b>Regina</b>	6	12	10	10	9
<b>RMC</b>	5	4	0	7	6
<b>Ryerson</b>	8	7	19	14	11
<b>Saskatchewan</b>	0	0	0	0	0
<b>SFU</b>	1	1	1	2	4
<b>Sherbrooke</b>	36	31	32	0	0
<b>SMU</b>				0	0
<b>Toronto</b>	37	47	47	38	28
<b>UBC</b>	11	10	8	28	30
<b>UBCO</b>	0	0	0	0	0
<b>UNB</b>	7	4	10	10	10
<b>UOIT</b>	4	9	12	8	11
<b>UQAC</b>	0	0	0	3	0
<b>UQAM</b>				0	
<b>UQAR</b>	0	0	1	0	0
<b>UQAT</b>	0	0	0	0	0
<b>UQTR</b>	2	81	64	44	18
<b>UVic</b>	0	0	0	0	0
<b>Waterloo</b>	77	83	70	56	53
<b>Western</b>	21	3	11	6	8
<b>Windsor</b>	2	2	2	2	2
<b>York</b>			1	2	1
<b>TOTAL</b>	<b>560</b>	<b>651</b>	<b>607</b>	<b>520</b>	<b>456</b>

Table G.3.5 Total full-time postgraduate students by institution and discipline: 2015.

<b>Institution</b>	<b>Biosystems</b>	<b>Chemical</b>	<b>Civil</b>	<b>Computer</b>	<b>Electrical</b>	<b>Engineering Physics</b>	<b>Environmental</b>	<b>Geological</b>	<b>Industrial or Manufacturing</b>	<b>Materials or Metallurgical</b>	<b>Mechanical</b>	<b>Mining or Mineral</b>	<b>Software</b>	<b>Other</b>
<b>Alberta</b>		217	278	71	168	104				90	225	95		69
<b>Calgary</b>	76	322	136		188						179			98
<b>Carleton</b>	13		117	11	365		29			3	80			139
<b>Concordia</b>			453		797				124		339		262	127
<b>Dal</b>	42	28	51		81	8	15		29	19	47	7		161
<b>ETS</b>			90		126		78		38		92		25	800
<b>Guelph</b>	29			48			74				11			
<b>Lakehead</b>			3		43		14				14			
<b>Laurentian</b>												37		
<b>Laval</b>		72	95		107		37			62	109	11		1
<b>Manitoba</b>	63		105		168				57		86			
<b>McGill</b>	13	93	111		303					141	185			
<b>McMaster</b>	51	75	62	83	139	58			2	59	108		37	62
<b>Moncton</b>														18
<b>MUN</b>			43	70	52		25				52			223
<b>Ottawa</b>	20	91	143		348		52				128			122
<b>Polytechnique</b>	104	137	171	155	173	141			179	23	194	61		61
<b>Queen's</b>		71	91		115	19		15			119	37		

<b>Regina</b>				43			42	34			9	102		
<b>RMC</b>		24	19		36					9		7		
<b>Ryerson</b>		29	105	84	176					121		68		
<b>Saskatchewan</b>	87	41			100		7			100		89		
<b>SFU</b>						92				90				
<b>Sherbrooke</b>		70	164		148					145		13		
<b>SMU</b>						7								
<b>Toronto</b>	223	230	260		493					74	468	153		
<b>UBC</b>	178		160		304		17	3		91	155	76		
<b>UBCO</b>			245		180						124			
<b>UNB</b>	1	37	25		43					29		28		
<b>UOIT</b>					75					72		27		
<b>UQAC</b>							22					189		
<b>UQAR</b>												25		
<b>UQAT</b>												29		
<b>UQTR</b>		28			56			42						
<b>UVic</b>				1	175						162			
<b>Waterloo</b>		187	183		418						259	214		
<b>Western</b>		191	181		209						127			
<b>Windsor</b>			61		289		27	68	33	238				
<b>York</b>			4	14						7				
<b>TOTAL</b>	<b>901</b>	<b>1,942</b>	<b>3,356</b>	<b>579</b>	<b>5,874</b>	<b>428</b>	<b>440</b>	<b>18</b>	<b>572</b>	<b>595</b>	<b>4,074</b>	<b>324</b>	<b>333</b>	<b>2,825</b>

Table G.3.6 Total part-time postgraduate students by institution and discipline: 2015.

Institution	Biosystems	Chemical	Civil	Computer	Electrical	Engineering Physics	Environmental	Geological Industrial or Manufacturing	Materials or Metallurgical	Mechanical	Mining or Mineral	Software	Other
<b>Alberta</b>													
<b>Calgary</b>	0	6	8		8					6			5
<b>Carleton</b>	5		30	1	71		6		1	7			19
<b>Concordia</b>			19		37			3		9		20	19
<b>Dal</b>	3		2		3	1		2	1	1			27
<b>ETS</b>			49		38		16	7		25		22	231
<b>Guelph</b>	2			7			18			1			
<b>Lakehead</b>													
<b>Laurentian</b>													
<b>Laval</b>			13		10		1	2	1	2			10
<b>Manitoba</b>	2		15		17			4					
<b>McGill</b>		1	9		8				4	26			
<b>McMaster</b>	1	2	12		17	17			5	17		8	28
<b>Moncton</b>													9
<b>MUN</b>			8	3	13		1			9			44
<b>NSAC</b>													
<b>Ottawa</b>	1	6	19		37		6			10			30
<b>Polytechnique</b>	1	4	19	7	7	0		53	7	1			15
<b>Queen's</b>		1	9		7	1			7	11			
<b>Regina</b>				9			9	8				3	9
<b>RMC</b>		8	2		12								1

<b>Ryerson</b>	2	15	8	30						19			5	
<b>Saskatchewan</b>														
<b>SFU</b>					18									
<b>Sherbrooke</b>														
<b>SMU</b>														
<b>Toronto</b>	0	12	33		54				2	61			5	
<b>UBC</b>	19		26		17	-12	5	4	1	13	20			
<b>UBCO</b>														
<b>UNB</b>	2	7	14		6					4			10	
<b>UOIT</b>					15					20			26	
<b>UQAC</b>													5	
<b>UQAM</b>														
<b>UQAR</b>														
<b>UQAT</b>													2	
<b>UQTR</b>		4			10				62					
<b>UVic</b>														
<b>Waterloo</b>		19	32		129					50			73	
<b>Western</b>		4	9		2				3	8				
<b>Windsor</b>			7		6		1	2	3	9				
<b>York</b>				3										
<b>TOTAL</b>	36	75	350	38	552	25	62	4	145	17	311	32	54	574

**Table G.3.7 Total full-time female postgraduate students by institution and discipline: 2015.**

<b>Institution</b>	<b>Biosystems</b>	<b>Chemical</b>	<b>Civil</b>	<b>Computer</b>	<b>Electrical</b>	<b>Engineering Physics</b>	<b>Environmental</b>	<b>Geological</b>	<b>Industrial or Manufacturing</b>	<b>Materials or Metallurgical</b>	<b>Mechanical</b>	<b>Mining or Mineral</b>	<b>Software</b>	<b>Other</b>
<b>Alberta</b>		86	92	13	38	11				26	49	20		43
<b>Calgary</b>	27	66	31		48						21			26
<b>Carleton</b>	7		17	3	80		20			2	10			24
<b>Concordia</b>			112		192			16			37		60	23
<b>Dal</b>	13	3	22		9	3	3	8	4	7				15
<b>ETS</b>			12		20		28	4		17		4		185
<b>Guelph</b>	8			10			25			0				
<b>Lakehead</b>					3		6							
<b>Laurentian</b>												10		
<b>Laval</b>		23	17		16		17			15	25	3		
<b>Manitoba</b>	20		25		39			15			11			
<b>McGill</b>		31	38		56					37	32			
<b>McMaster</b>	22	22	16		44	13				20	23	7		19
<b>Moncton</b>														2
<b>MUN</b>			10	11	14		12				3			46
<b>NSAC</b>														
<b>Ottawa</b>	9	38	25		102		25				23			31
<b>Polytechnique</b>	54	56	55	27	32	36		58	4	32	18			8
<b>Queen's</b>		24	23		22	2		4			21	8		
<b>Regina</b>				7			21	11					0	16
<b>RMC</b>		6	4		2						2			1
<b>Ryerson</b>		9	25	20	36						19			8

<b>Saskatchewan</b>	20	17			12		3					15			19
<b>SFU</b>							24					21			
<b>Sherbrooke</b>		18	32		22							12			3
<b>SMU</b>															
<b>Toronto</b>	84	92	87		90					20	94				26
<b>UBC</b>	59		42		73	-6	7	2		37	20	21			
<b>UBCO</b>			11		7						3				
<b>UNB</b>		16	2		5						4				6
<b>UOIT</b>					20						7				6
<b>UQAC</b>								18							11
<b>UQAM</b>					2										
<b>UQAR</b>															2
<b>UQAT</b>															4
<b>UQTR</b>		12			8				6						
<b>UVic</b>				1	37						15				
<b>Waterloo</b>		55	48		86						40				62
<b>Western</b>		64	39		37						13				
<b>Windsor</b>			4		56		10		12	7	16				
<b>York</b>				5											
<b>TOTAL</b>	322	637	789	97	1207	83	195	6	131	172	592	81	71	586	

Table G.3.8 Total part-time female postgraduate enrolment by institution and discipline: 2015.

Institution	Biosystems	Chemical	Civil	Computer	Electrical	Engineering Physics	Environmental	Geological	Industrial or Manufacturing	Materials or Metallurgical	Mechanical	Mining or Mineral	Software	Other
<b>Alberta</b>														
<b>Calgary</b>		2	2		1					1				
<b>Carleton</b>	3		4	1	18	3			1					1
<b>Concordia</b>			4		7					2		2	3	
<b>Dal</b>					0									1
<b>ETS</b>			11		5	9	1		9		2	53		
<b>Guelph</b>	1			2		9								
<b>Lakehead</b>														
<b>Laurentian</b>														
<b>Laval</b>			5		2				1					
<b>Manitoba</b>			5		3			1						
<b>McGill</b>		1	1		1				0	2				
<b>McMaster</b>			3		1	6				2		2	9	
<b>Moncton</b>														2
<b>MUN</b>			2	1	1		1			2			5	
<b>NSAC</b>														
<b>Ottawa</b>	0	3	5		8	2			0				8	
<b>Polytechnique</b>	0	2	8	2	1			23	1	1	1		1	
<b>Queen's</b>			2			0			1	2				
<b>Regina</b>				1		4	2					1	2	
<b>RMC</b>		5			1								1	

Ryerson	2	2	1	4					4		2			
Saskatchewan														
SFU				2										
Sherbrooke														
SMU														
Toronto	6	11	6					1	12		2			
UBC	7	9	4	-6	1	2		1	1	3				
UBCO														
UNB	3	3	2								1			
UOIT			2					1			5			
UQAC											3			
UQAM														
UQAR														
UQAT														
UQTR	0		1				43							
UVic														
Waterloo	5	8	14					6			23			
Western		5	1					0						
Windsor		0					1	1						
York			2											
<b>TOTAL</b>	12	29	90	10	84	2	29	2	70	5	45	6	7	123

## Post-graduate Degrees Awarded (GD)

Table GD.1.1 Total master's degrees awarded by discipline: 2011 to 2015.

Discipline	2011	2012	2013	2014	2015
Biosystems	135	131	186	153	159
Chemical	338	408	424	469	463
Civil	709	891	879	902	874
Computer	140	164	183	168	185
Electrical	1,143	1,354	1,441	1,619	1,539
Engineering Physics	81	76	75	64	61
Environmental	92	134	129	152	180
Geological	11	9	8	9	11
Industrial or Manufacturing	151	172	236	237	268
Materials or Metallurgical	76	97	97	119	93
Mechanical	784	905	834	950	1,062
Mining or Mineral	33	66	88	56	83
Software	50	65	88	124	149
Other	718	747	828	945	1,126
<b>TOTAL</b>	<b>4,461</b>	<b>5,219</b>	<b>5,496</b>	<b>5,978</b>	<b>6,253</b>

Table GD.1.2 Total doctoral degrees awarded by discipline: 2011 to 2015.

Discipline	2011	2012	2013	2014	2015
Biosystems	44	41	60	50	66
Chemical	125	165	169	185	174
Civil	147	170	187	171	213
Computer	17	25	22	28	32
Electrical	311	330	389	384	368
Engineering Physics	33	38	43	48	34
Environmental	11	16	14	18	20
Geological	2	1	0	1	7

<b>Industrial or Manufacturing</b>	15	18	24	27	31
<b>Materials or Metallurgical</b>	45	52	48	71	49
<b>Mechanical</b>	189	191	236	260	264
<b>Mining or Mineral</b>	13	6	29	14	18
<b>Software</b>	3	0	3	3	3
<b>Other</b>	84	109	106	124	146
<b>TOTAL</b>	<b>1,039</b>	<b>1,162</b>	<b>1,330</b>	<b>1,389</b>	<b>1,425</b>

**Table GD.1.3 Total master's degrees awarded to women by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	59	63	74	66	63
<b>Chemical</b>	120	131	145	180	167
<b>Civil</b>	201	253	214	247	235
<b>Computer</b>	27	41	31	35	45
<b>Electrical</b>	203	241	305	354	363
<b>Engineering Physics</b>	19	22	16	14	14
<b>Environmental</b>	26	39	48	69	77
<b>Geological</b>	3	6	2	4	4
<b>Industrial or Manufacturing</b>	39	47	104	71	99
<b>Materials or Metallurgical</b>	17	32	30	39	26
<b>Mechanical</b>	111	126	105	132	146
<b>Mining or Mineral</b>	15	18	16	17	17
<b>Software</b>	14	16	15	23	40
<b>Other</b>	140	131	170	195	238
<b>TOTAL</b>	<b>994</b>	<b>1,166</b>	<b>1,275</b>	<b>1,453</b>	<b>1,534</b>

**Table GD.1.4 Total doctoral degrees awarded to women by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	17	17	25	16	21
<b>Chemical</b>	36	50	39	65	61
<b>Civil</b>	43	39	32	31	49
<b>Computer</b>	6	10	6	7	3
<b>Electrical</b>	40	54	45	54	60
<b>Engineering Physics</b>	5	3	4	8	11
<b>Environmental</b>	6	3	3	4	4
<b>Geological</b>	1	1	0	0	1
<b>Industrial or Manufacturing</b>	2	1	3	7	9
<b>Materials or Metallurgical</b>	9	13	10	21	15
<b>Mechanical</b>	20	18	34	49	49
<b>Mining or Mineral</b>	6	2	5	1	3
<b>Software</b>	2	0	2	2	0
<b>Other</b>	15	28	12	23	28
<b>TOTAL</b>	<b>208</b>	<b>239</b>	<b>220</b>	<b>288</b>	<b>314</b>

**Table GD.1.5 Total master's degrees awarded to visa students by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	33	32	61	61	50
<b>Chemical</b>	106	183	156	248	264
<b>Civil</b>	200	320	269	328	354

<b>Computer</b>	40	76	74	99	95
<b>Electrical</b>	482	724	756	1,031	966
<b>Engineering Physics</b>	22	25	24	20	22
<b>Environmental</b>	34	48	69	78	107
<b>Geological</b>	2	0	2	2	2
<b>Industrial or Manufacturing</b>	70	75	83	114	120
<b>Materials or Metallurgical</b>	35	47	48	52	39
<b>Mechanical</b>	264	325	314	436	530
<b>Mining or Mineral</b>	11	36	38	37	47
<b>Software</b>	19	26	51	75	118
<b>Other</b>	305	340	426	551	723
<b>TOTAL</b>	<b>1,623</b>	<b>2,257</b>	<b>2,371</b>	<b>3,141</b>	<b>3,437</b>

**Table GD.1.6 Total doctoral degrees awarded to visa students by discipline: 2011 to 2015.**

<b>Discipline</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Biosystems</b>	3	3	13	11	15
<b>Chemical</b>	42	45	56	56	65
<b>Civil</b>	23	33	35	48	84
<b>Computer</b>	5	7	6	10	12
<b>Electrical</b>	55	89	110	122	137
<b>Engineering Physics</b>	6	9	11	18	13
<b>Environmental</b>	6	3	4	9	11
<b>Geological</b>	0	0	0	0	4
<b>Industrial or Manufacturing</b>	2	6	5	10	12
<b>Materials or Metallurgical</b>	11	14	20	28	20
<b>Mechanical</b>	47	36	60	96	97
<b>Mining or Mineral</b>	3	1	9	5	5
<b>Software</b>	0	0	2	2	1
<b>Other</b>	21	33	31	44	72
<b>TOTAL</b>	<b>224</b>	<b>279</b>	<b>362</b>	<b>463</b>	<b>548</b>

**Table GD.2.1 Total master's degrees awarded by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	505	644	460	494	433
<b>BC</b>	344	404	340	317	345
<b>MB</b>	45	62	62	74	89
<b>NB</b>	59	65	50	67	24
<b>NL</b>	68	79	103	120	131
<b>NS</b>	114	128	173	217	341
<b>ON</b>	2,173	2,323	2,652	2,905	3,057
<b>QC</b>	1,053	1,394	1,537	1,644	1,689
<b>SK</b>	100	120	119	140	144
<b>TOTAL</b>	<b>4,461</b>	<b>5,219</b>	<b>5,496</b>	<b>5,978</b>	<b>6,253</b>

**Table GD.2.2 Total doctoral degrees awarded by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	130	154	203	221	153
<b>BC</b>	106	98	126	111	116
<b>MB</b>	27	39	28	29	27
<b>NB</b>	6	13	18	16	11

<b>NL</b>	10	7	12	14	19
<b>NS</b>	14	11	16	18	19
<b>ON</b>	463	500	552	520	619
<b>QC</b>	259	313	354	425	425
<b>SK</b>	24	27	21	35	36
<b>TOTAL</b>	<b>1,039</b>	<b>1,162</b>	<b>1,330</b>	<b>1,389</b>	<b>1,425</b>

**Table GD.2.3 Total master's degrees awarded to women by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	112	159	106	145	116
<b>BC</b>	111	101	87	75	70
<b>MB</b>	11	15	14	14	21
<b>NB</b>	10	9	12	17	5
<b>NL</b>	11	19	28	28	34
<b>NS</b>	16	24	27	26	40
<b>ON</b>	474	496	578	732	755
<b>QC</b>	221	308	389	370	451
<b>SK</b>	28	35	34	46	42
<b>TOTAL</b>	<b>994</b>	<b>1,166</b>	<b>1,275</b>	<b>1,453</b>	<b>1,534</b>

**Table GD.2.4 Total doctoral degrees awarded to women by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	25	35	31	44	35
<b>BC</b>	18	16	27	25	20
<b>MB</b>	3	4	4	6	3
<b>NB</b>	1	2	3	4	3
<b>NL</b>	2	0	2	3	0
<b>NS</b>	2	1	5	4	4
<b>ON</b>	100	118	90	103	143
<b>QC</b>	54	57	51	90	100
<b>SK</b>	3	6	7	9	6
<b>TOTAL</b>	<b>208</b>	<b>239</b>	<b>220</b>	<b>288</b>	<b>314</b>

**Table GD.2.5 Total master's degrees awarded to visa students by province: 2011 to 2015.**

<b>Province</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>AB</b>	246	373	215	279	242
<b>BC</b>	161	174	164	142	177
<b>MB</b>	22	23	28	48	46
<b>NB</b>	28	39	31	35	20
<b>NL</b>	56	59	87	103	113
<b>NS</b>	80	84	137	173	284
<b>ON</b>	578	800	946	1,398	1,532
<b>QC</b>	386	634	676	862	908
<b>SK</b>	66	71	87	101	115
<b>TOTAL</b>	<b>1,623</b>	<b>2,257</b>	<b>2,371</b>	<b>3,141</b>	<b>3,437</b>



**Table GD.2.6 Total doctoral degrees awarded to visa students by province: 2011 to 2015.**

Province	2011	2012	2013	2014	2015
<b>AB</b>	26	44	66	84	77
<b>BC</b>	32	39	46	57	64
<b>MB</b>	3	8	5	9	12
<b>NB</b>	2	8	12	7	7
<b>NL</b>	4	4	3	8	5
<b>NS</b>	3	2	3	5	5
<b>ON</b>	73	98	106	134	190
<b>QC</b>	73	67	110	133	167
<b>SK</b>	8	9	11	26	21
<b>TOTAL</b>	<b>224</b>	<b>279</b>	<b>362</b>	<b>463</b>	<b>548</b>

**Table GD.2.7 Total master's degrees awarded by province and discipline: 2015.**

Discipline	AB	BC	MB	NB	NL	NS	ON	QC	SK	TOTAL
<b>Biosystems</b>	13	31	16			11	58	23	7	159
<b>Chemical</b>	146			2		5	257	46	7	463
<b>Civil</b>	74	73	27		5	9	396	277	13	874
<b>Computer</b>	21	3			17		108	17	19	185
<b>Electrical</b>	61	72	22	4	7	21	880	455	17	1,539
<b>Engineering Physics</b>	6	19				1	20	15		61
<b>Environmental</b>		20			23	6	77	33	21	180
<b>Geological</b>		9					2			11
<b>Industrial or Manufacturing</b>			17			4	39	197	11	268
<b>Materials or Metallurgical</b>	1	6				5	55	26		93
<b>Mechanical</b>	68	87	7	9	4	19	630	222	16	1,062
<b>Mining or Mineral</b>	13	25					30	15		83
<b>Software</b>							16	126	7	149
<b>Other</b>	30			9	75	260	489	237	26	1,126
<b>TOTAL</b>	<b>433</b>	<b>345</b>	<b>89</b>	<b>24</b>	<b>131</b>	<b>341</b>	<b>3,057</b>	<b>1,689</b>	<b>144</b>	<b>6,253</b>

**Table GD.2.8 Total doctoral degrees awarded by province and discipline: 2015.**

Discipline	AB	BC	MB	NB	NL	NS	ON	QC	SK	TOTAL
<b>Biosystems</b>	2	8	3			3	28	14	8	66
<b>Chemical</b>	39			2			87	43	3	174
<b>Civil</b>	34	9	4	1	5	4	104	52		213
<b>Computer</b>	1	5			1		16	9		32
<b>Electrical</b>	21	36	8	4	5	5	177	106	6	368
<b>Engineering Physics</b>	4	10				1	6	13		34
<b>Environmental</b>							9	7	4	20
<b>Geological</b>							7			7
<b>Industrial or Manufacturing</b>			12			1	3	11	4	31
<b>Materials or Metallurgical</b>		7					19	23		49
<b>Mechanical</b>	23	39		2	2	3	115	71	9	264
<b>Mining or Mineral</b>	8	2				2	5	1		18
<b>Software</b>							3			3
<b>Other</b>	21			2	6		40	75	2	146
<b>TOTAL</b>	<b>153</b>	<b>116</b>	<b>27</b>	<b>11</b>	<b>19</b>	<b>19</b>	<b>619</b>	<b>425</b>	<b>36</b>	<b>1,425</b>

**Table GD.3.1 Total master's degrees awarded by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Acadia</b>				0	
<b>Alberta</b>	334	329	281	279	239
<b>BCIT</b>	0	0	0	0	0
<b>Calgary</b>	171	315	179	215	194
<b>Carleton</b>	147	177	193	230	251
<b>Concordia</b>	400	534	572	626	667
<b>Conestoga</b>	0	0	0	0	0
<b>Dal</b>	114	128	173	205	341
<b>ETS</b>	178	239	259	293	385
<b>Guelph</b>	40	46	44	44	46
<b>Lakehead</b>	20	14	16	0	8
<b>Laurentian</b>	0	0	61	0	11
<b>Laval</b>	76	75	70	70	60
<b>Manitoba</b>	45	62	62	74	89
<b>McGill</b>	35	122	157	124	153
<b>McMaster</b>	250	225	255	230	250
<b>Moncton</b>	8	1	2	4	0
<b>MUN</b>	68	79	103	120	131
<b>NSAC</b>				11	0
<b>Ottawa</b>	128	165	241	465	414
<b>Polytechnique</b>	254	281	281	334	222
<b>Queen's</b>	92	103	113	106	118
<b>Regina</b>	36	49	60	76	83
<b>RMC</b>	0	26	22	19	16
<b>Ryerson</b>	247	231	295	189	176
<b>Saskatchewan</b>	64	71	59	64	61
<b>SFU</b>	40	37	38	28	31
<b>Sherbrooke</b>	86	61	65	90	91
<b>SMU</b>				1	
<b>Toronto</b>	401	482	496	540	631
<b>UBC</b>	237	300	251	237	237
<b>UBCO</b>	38	22	20	24	37
<b>UNB</b>	51	64	48	63	24
<b>UNBC</b>	0	0	0	0	0
<b>UOIT</b>	67	47	30	36	39
<b>UQAC</b>	11	22	8	12	8
<b>UQAM</b>	0	0	0	5	
<b>UQAR</b>	5	7	8	2	5
<b>UQAT</b>	5	13	19	10	5
<b>UQO</b>	0	0	0	0	0
<b>UQTR</b>	3	40	98	78	93
<b>UVic</b>	29	45	31	28	40
<b>Waterloo</b>	452	415	502	486	480
<b>Western</b>	132	175	131	187	217
<b>Windsor</b>	195	217	253	373	396
<b>York</b>	2	0		0	4
<b>TOTAL</b>	<b>4,461</b>	<b>5,219</b>	<b>5,496</b>	<b>5,978</b>	<b>6,253</b>

**Table GD.3.2 Total doctoral degrees awarded by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
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<b>Acadia</b>				0	
<b>Alberta</b>	71	78	111	126	83
<b>BCIT</b>	0	0	0	0	0
<b>Calgary</b>	59	76	92	95	70
<b>Carleton</b>	28	23	36	30	36
<b>Concordia</b>	49	70	60	53	56
<b>Conestoga</b>	0	0	0	0	0
<b>Dal</b>	14	11	16	13	19
<b>ETS</b>	29	41	35	44	58
<b>Guelph</b>	2	4	9	7	12
<b>Lakehead</b>	0	0	0	0	0
<b>Laurentian</b>	0	0	31	0	3
<b>Laval</b>	42	24	33	33	40
<b>Manitoba</b>	27	39	28	29	27
<b>McGill</b>	26	59	100	120	106
<b>McMaster</b>	52	66	40	36	65
<b>Moncton</b>	0	0	0	0	0
<b>MUN</b>	10	7	12	14	19
<b>NSAC</b>				5	0
<b>Ottawa</b>	24	28	21	39	25
<b>Polytechnique</b>	80	80	88	117	95
<b>Queen's</b>	30	35	46	36	52
<b>Regina</b>	7	13	7	17	10
<b>RMC</b>	0	8	4	6	3
<b>Ryerson</b>	21	25	42	39	44
<b>Saskatchewan</b>	17	14	14	18	26
<b>SFU</b>	8	13	12	12	24
<b>Sherbrooke</b>	25	25	27	42	48
<b>SMU</b>				0	
<b>Toronto</b>	106	115	106	110	152
<b>UBC</b>	82	67	93	67	50
<b>UBCO</b>	2	1	7	7	15
<b>UNB</b>	6	13	18	16	11
<b>UNBC</b>	0	0	0	0	0
<b>UOIT</b>	2	6	10	16	14
<b>UQAC</b>	8	9	5	9	14
<b>UQAM</b>	0	0	0	0	
<b>UQAR</b>	0	0	0	0	0
<b>UQAT</b>	0	0	0	0	0
<b>UQO</b>	0	0	0	0	0
<b>UQTR</b>	0	5	6	7	8
<b>UVic</b>	14	17	14	25	27
<b>Waterloo</b>	116	115	134	125	150
<b>Western</b>	55	58	53	50	40
<b>Windsor</b>	27	17	20	26	23
<b>York</b>	0	0		0	0
<b>TOTAL</b>	<b>1,039</b>	<b>1,162</b>	<b>1,330</b>	<b>1,389</b>	<b>1,425</b>

**Table GD.3.3 Total master's degrees awarded to women by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Acadia</b>				0	
<b>Alberta</b>	66	87	63	81	66
<b>BCIT</b>	0	0	0	0	0

<b>Calgary</b>	46	72	43	64	50
<b>Carleton</b>	36	34	31	51	56
<b>Concordia</b>	88	104	129	124	179
<b>Conestoga</b>	0	0	0	0	0
<b>Dal</b>	16	24	27	19	40
<b>ETS</b>	29	49	39	54	85
<b>Guelph</b>	10	12	11	11	16
<b>Lakehead</b>	3	3	2	0	1
<b>Laurentian</b>	0	0	8	0	1
<b>Laval</b>	12	17	20	20	17
<b>Manitoba</b>	11	15	14	14	21
<b>McGill</b>	5	23	53	31	32
<b>McMaster</b>	48	56	67	90	72
<b>Moncton</b>	0	0	0	0	0
<b>MUN</b>	11	19	28	28	34
<b>NSAC</b>				7	0
<b>Ottawa</b>	23	28	57	125	123
<b>Polytechnique</b>	68	84	74	87	68
<b>Queen's</b>	20	29	32	30	26
<b>Regina</b>	6	7	13	26	26
<b>RMC</b>	0	6	4	2	1
<b>Ryerson</b>	42	39	39	40	41
<b>Saskatchewan</b>	22	28	21	20	16
<b>SFU</b>	13	9	8	5	6
<b>Sherbrooke</b>	14	12	12	10	12
<b>SMU</b>				0	
<b>Toronto</b>	104	107	125	146	164
<b>UBC</b>	83	76	62	60	49
<b>UBCO</b>	6	3	11	6	6
<b>UNB</b>	10	9	12	17	5
<b>UNBC</b>	0	0	0	0	0
<b>UOIT</b>	11	2	5	5	9
<b>UQAC</b>	4	3	0	4	1
<b>UQAM</b>	0	0	0	0	
<b>UQAR</b>	1	0	0	0	0
<b>UQAT</b>	0	0	3	0	0
<b>UQO</b>	0	0	0	0	0
<b>UQTR</b>	0	16	59	40	57
<b>UVic</b>	9	13	6	4	9
<b>Waterloo</b>	108	108	123	112	129
<b>Western</b>	34	39	30	53	64
<b>Windsor</b>	35	33	44	67	50
<b>York</b>	0	0		0	2
<b>TOTAL</b>	<b>994</b>	<b>1,166</b>	<b>1,275</b>	<b>1,453</b>	<b>1,534</b>

**Table GD.3.4 Total doctoral degrees awarded to women by institution: 2011 to 2015.**

<b>Institution</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Acadia</b>				0	
<b>Alberta</b>	16	18	16	22	22
<b>BCIT</b>	0	0	0	0	0
<b>Calgary</b>	9	17	15	22	13
<b>Carleton</b>	7	7	3	1	6
<b>Concordia</b>	7	8	9	12	8

<b>Conestoga</b>	0	0	0	0	0
<b>Dal</b>	2	1	5	4	4
<b>ETS</b>	5	8	3	7	12
<b>Guelph</b>	1	0	1	1	1
<b>Lakehead</b>	0	0	0	0	0
<b>Laurentian</b>	0	0	3	0	1
<b>Laval</b>	9	5	0	0	9
<b>Manitoba</b>	3	4	4	6	3
<b>McGill</b>	3	12	14	30	26
<b>McMaster</b>	16	20	9	8	13
<b>Moncton</b>	0	0	0	0	0
<b>MUN</b>	2	0	2	3	0
<b>NSAC</b>				0	0
<b>Ottawa</b>	5	10	4	5	3
<b>Polytechnique</b>	20	14	20	32	25
<b>Queen's</b>	7	8	6	6	11
<b>Regina</b>	3	4	3	5	3
<b>RMC</b>	0	1	0	2	2
<b>Ryerson</b>	3	4	8	9	11
<b>Saskatchewan</b>	0	2	4	4	3
<b>SFU</b>	1	1	0	4	5
<b>Sherbrooke</b>	5	6	3	7	14
<b>SMU</b>				0	
<b>Toronto</b>	19	31	20	23	45
<b>UBC</b>	16	12	24	17	9
<b>UBCO</b>	0	0	0	0	2
<b>UNB</b>	1	2	3	4	3
<b>UNBC</b>	0	0	0	0	0
<b>UOIT</b>	0	1	0	5	2
<b>UQAC</b>	5	4	1	1	5
<b>UQAM</b>	0	0	0	0	
<b>UQAR</b>	0	0	0	0	0
<b>UQAT</b>	0	0	0	0	0
<b>UQO</b>	0	0	0	0	0
<b>UQTR</b>	0	0	1	1	1
<b>UVic</b>	1	3	2	4	4
<b>Waterloo</b>	17	26	22	26	37
<b>Western</b>	17	8	8	10	8
<b>Windsor</b>	8	2	6	7	3
<b>York</b>	0	0		0	0
<b>TOTAL</b>	<b>208</b>	<b>239</b>	<b>220</b>	<b>288</b>	<b>314</b>

Table GD.3.5 Total master's degrees awarded by institution and discipline: 2015.

Institution	Biosystems	Chemical	Civil	Computer	Electrical	Engineering Physics	Environmental	Geological	Industrial or Manufacturing	Materials or Metallurgical	Mechanical	Mining or Mineral	Software	Other
<b>Alberta</b>		64	57	21	25	6				1	36	13		16
<b>BCIT</b>														
<b>Calgary</b>	13	82	17		36					32				14

<b>Carleton</b>	8		43	6	96		19		1	24			54	
<b>Concordia</b>			127		293			46		72		117	12	
<b>Conestoga</b>														
<b>Dal</b>	0	0	0	0	0	1	6	4	5	19			260	
<b>ETS</b>			57		53		26	25		36		9	179	
<b>Guelph</b>	9			18			17			2				
<b>Lakehead</b>					5		3							
<b>Laurentian</b>												11		
<b>Laval</b>	6	5	21				5		2	13	6		2	
<b>Manitoba</b>	16		27		22			17		7				
<b>McGill</b>		18	15		53					23	44			
<b>McMaster</b>	5	10	14	17	51	11		3	14	36		16	73	
<b>Moncton</b>														
<b>MUN</b>			5	17	7		23			4			75	
<b>NSAC</b>														
<b>Ottawa</b>	7	53	58		87		24			56			129	
<b>Polytechnique</b>	17	15	31	17	24	15		42	1	31	9		20	
<b>Queen's</b>		13	30		20	9	2			25	19			
<b>Regina</b>				19			20	11				7	26	
<b>RMC</b>		6	1		4					3			2	
<b>Ryerson</b>		1	26	63	42					29			15	
<b>Saskatchewan</b>	7	7	13		17		1			16				
<b>SFU</b>						18				13				
<b>Sherbrooke</b>		7	26		24					26			8	
<b>Toronto</b>	29	68	103		142				27	202			60	
<b>UBC</b>	31		55		47	1	20	9	6	43	25			
<b>UBCO</b>			18		7					12				
<b>UNB</b>		2			4					9			9	
<b>UNBC</b>														
<b>UOIT</b>					8					21			10	
<b>UQAC</b>							2						6	
<b>UQAR</b>													5	
<b>UQAT</b>													5	
<b>UQO</b>														
<b>UQTR</b>		1			8				84					
<b>UVic</b>				3	18					19				
<b>Waterloo</b>		53	42		162					77			146	
<b>Western</b>		53	53		76				3	32				
<b>Windsor</b>			26		187		14		33	13	123			
<b>York</b>				4										
<b>TOTAL</b>	159	463	874	185	1,539	61	180	11	268	93	1,062	83	149	1,126

Table GD.3.6 Total doctoral degrees awarded by institution and discipline: 2015.

<b>Institution</b>	<b>Biosystems</b>	<b>Chemical</b>	<b>Civil</b>	<b>Computer</b>	<b>Electrical</b>	<b>Engineering Physics</b>	<b>Environmental</b>	<b>Geological</b>	<b>Industrial or Manufacturing</b>	<b>Materials or Metallurgical</b>	<b>Mechanical</b>	<b>Mining or Mineral</b>	<b>Software</b>	<b>Other</b>
Alberta		18	18	1	10	4					17	8	7	
BCIT														



Acadia			2	1	1		0		
Alberta	88	4	47	7	40	9			
BCIT	41	6							
Calgary	76	10	34	10	19	8	0	0	157
Cape Breton	2	0	0	0	0	0	3	0	4
Carleton	56	4	53	4	19	3	11	8	158
Concordia	74	11	45	9	21	6	15	4	185
Conestoga	16	1	0	0	0	0	0	0	17
Dal	42	4	22	6	8	2	13	1	97
ETS	73	11	90	15	11	6	143	29	378
Guelph	11	3	14	2	11	6	4	1	52
Lakehead	14	1	12	1	10	2			
Laurentian	10	1	9		3			1	
Manitoba	36	4	19	5	12	3	5	1	83
McGill	43	1	64	8	21	5		1	
McMaster	83	5	34	4	14	9	2	0	150
Moncton	11	0	5	32	3	1			
MUN	25	2	23	4	15	4	5	2	79
NSAC	3	0	5		2	1	4	1	
Ottawa	50	10	24	10	14	5	10	1	124
Polytechnique	128	17	42	7	36	5	15	5	255
Queen's	69	13	24	1	10	4	7	1	129
Regina	17	4	10	1	4	1	11	1	49
RMC	25		23	3	4	2	19		
Ryerson	70	6	36	7	5	1	31	4	160
Saskatchewan	38	1	25	3	15	3	1	2	88
SFU	19	3	7	2	3	1	8	2	45
Sherbrooke	60	4	24	2	9	0	101	18	218
SMU	1	0	1	0	3	0	0	0	5
StFX	1	0	1	0	1				
Toronto	117	16	44	17	24	8	16	4	246
UBC	87	11	33	5	12	5	22	11	186
UBCO	3	2	16	1	13	1	5	3	44
UNB	36	6	9	2	6	1	6	0	65
UNBC	3		1						
UOIT	15	0	18	4	7	2	8	0	54
UPEI	2		2	1	2	1	1		
UQAC	12	3	13	1	1	1	11	1	43
UQAM									
UQAR	10	0	0	0	0	0	6	1	17
UQAT	5		5		1		1	1	
UQTR	20	1	9		3		0	0	
UVic	31	5	16	3	6		2		
Waterloo	115	16	66	14	36	12	24	7	288
Western	43	4	27	6	7	1	9	0	96
Windsor	37	2	19	6	2	1	4	1	71
York	16	1	19	3	14	2	2		
<b>TOTAL</b>	<b>1730</b>	<b>192</b>	<b>989</b>	<b>206</b>	<b>445</b>	<b>121</b>	<b>524</b>	<b>111</b>	<b>3540</b>

#### I.1 Total Indigenous students by Education level: 2015.

	Undergrad	Bachelor's Awarded	Graduate	Master's/PhD Awarded
Indigenous Students	337	57	69	21
Total Students	34,835	6,970	8,917	3,467



	0.97%	0.82%	0.77%	0.61%
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## Co-op Internship and Professional Experience Programs

### C.1 Co-op, Internships and Professional Experience Programs: 2015.

Institution	Type of Program	Mandatory/Optional
<b>Alberta</b>	Co-op	Optional
<b>BCIT</b>	Internship	Mandatory
<b>Calgary</b>	Internship	Optional
<b>Carleton</b>	Co-op	Optional
<b>Concordia</b>	Co-op & Internship	Optional
<b>Conestoga</b>	Co-op	Mandatory
<b>ETS</b>	Co-op	Mandatory
<b>Guelph</b>	Co-op	Optional
<b>Laurentian</b>	Co-op	Optional
<b>Laval</b>	Internship	Optional
<b>Manitoba</b>	Co-op	Optional
<b>McGill</b>	Co-op & Internship	Varies
<b>McMaster</b>	Co-op	Optional
<b>Moncton</b>	Co-op	Optional
<b>MUN</b>	Co-op	Mandatory
<b>Ottawa</b>	Co-op	Varies
<b>Queen's</b>	Internship	Optional
<b>Regina</b>	Co-op & Internship	Optional
<b>RMC</b>	Co-op	Optional
<b>Ryerson</b>	Co-op & Internship	Optional
<b>Saskatchewan</b>	Internship	Optional
<b>SFU</b>	Co-op	Varies
<b>Sherbrooke</b>	Co-op	Mandatory
<b>Toronto</b>	Internship	Optional
<b>UBC</b>	Co-op	Optional
<b>UBCO</b>	Co-op	Optional
<b>UNB</b>	Co-op	Optional
<b>UQAR</b>	Co-op	Optional
<b>UQAT</b>	Co-op	Optional
<b>UQO</b>	Internship	Mandatory
<b>UQTR</b>	Co-op	Optional
<b>UVic</b>	Co-op	Mandatory
<b>Waterloo</b>	Co-op	Mandatory
<b>Western</b>	Co-op & Internship	Optional
<b>Windsor</b>	Co-op & Internship	Optional
<b>York</b>	Co-op	Optional

## Appendix B

### Accredited engineering programs by institution

- This listing of accredited programs includes only engineering programs that lead to a bachelor's degree.
- Institutions listed have voluntarily requested that specific engineering programs be evaluated by the Accreditation Board. The terminology requested by the institution is shown.

- c. A single date which follows the name of a program indicates the year of the first graduating class for which accreditation applies. Accreditation applies to subsequent years and is still enforced.
- d. A double date following the name of a program indicates the period (inclusive of both years) for which the program was accredited. This may occur if the institution has discontinued the program under that specific name or has not requested renewal of accreditation or if the Accreditation Board has denied such renewal.
- e. The appearance of a third date indicates that accreditation has been renewed from that particular year on, after a time interval.

## **ALBERTA, UNIVERSITY OF**

### **Edmonton, Alberta**

#### **Faculty of Engineering**

- »Agricultural Engineering: 1983-1995
- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-
- »Computer Engineering: 1983-
- »Electrical Engineering: 1965-
- »Engineering Physics: 1988-
- »Materials Engineering: 1999-
- »Mechanical Engineering: 1965-
- »Metallurgical Engineering: 1965-2000
- »Mineral Engineering: 1976-1982
- »Mineral Process Engineering: 1983-1991
- »Mining Engineering: 1965-1975, 1983-
- »Petroleum Engineering: 1978-

## **BRITISH COLUMBIA, THE UNIVERSITY OF**

Vancouver, British Columbia

#### **Faculty of Applied Science**

- »Agricultural Engineering: 1965-1978
- »Bio-Resource Engineering: 1979-2001
- »Chemical Engineering: 1965-
- »Chemical and Biological Engineering: 2003-
- »Civil Engineering: 1965-
- »Computer Engineering: 2000-
- »Electrical Engineering: 1965-
- »Engineering Physics 1965-
- »Environmental Engineering
- »(Jointly with Northern British Columbia): 2007-
- »Geological Engineering: 1965-
- »Integrated Engineering: 2003-
- »Materials Engineering: 2006-
- »Mechanical Engineering: 1965-
- »Metallurgical Engineering: 1965-1987
- »Metals and Materials Engineering: 1988-2005
- »Mineral Engineering: 1965-1979
- »Mining and Mineral Process Engineering: 1980-2005
- »Mining Engineering: 2004-

## **BRITISH COLUMBIA-OKANAGAN, THE UNIVERSITY OF**

Kelowna, British Columbia

#### **Faculty of Applied Science**

- »Civil Engineering: 2011-
- »Electrical Engineering: 2011-
- »Mechanical Engineering: 2011-

## **BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY**

## **NOVA SCOTIA TECHNICAL COLLEGE**

(see Dalhousie University)

NSTC offered accredited engineering programs from 1965 to 1980.

## **NOVA SCOTIA, TECHNICAL UNIVERSITY OF**

(see Dalhousie University)

## **ONTARIO INSTITUTE OF TECHNOLOGY, UNIVERSITY OF**

Oshawa, Ontario

#### **Faculty of Engineering and Applied Science**

- »Automotive Engineering: 2009-
- »Electrical Engineering: 2009-
- »Manufacturing Engineering: 2007-
- »Mechanical Engineering: 2008-
- »Nuclear Engineering: 2007-
- »Software Engineering: 2009-

#### **Faculty of Energy Systems and Nuclear Science**

- »Nuclear Engineering: 2007-

## **OTTAWA, UNIVERSITY OF**

Ottawa, Ontario

#### **Faculty of Engineering**

- »Biomedical Mechanical Engineering: 2009-
- »Chemical Engineering: 1965-
- »Civil Engineering: 1971-
- »Computer Engineering: 1990-
- »Electrical Engineering: 1965-
- »Mechanical Engineering: 1971-
- »Software Engineering: 2001-

## **POLYTECHNIQUE, ÉCOLE**

Montréal, Québec

(affiliated with l'Université de Montréal)

- »Génie aérospatial: 2012-
- »Génie biomédical: 2012-
- »Génie chimique: 1965-
- »Génie civil: 1965-
- »Génie électrique: 1965-
- »Génie géologique: 1965-
- »Génie industriel: 1973-
- »Génie informatique: 1989-
- »Génie logiciel: 2005-
- »Génie des matériaux: 1990-2012
- »Génie mécanique: 1965-
- »Génie métallurgique: 1965-1989
- »Génie des mines: 1991-
- »Génie minier: 1965-1991
- »Génie physique: 1965-

Burnaby, British Columbia

**School of Construction and the Environment**

»Civil Engineering: 2011-

**School of Energy**

»Electrical Engineering: 2011-

**CALGARY, THE UNIVERSITY OF**

Calgary, Alberta

**Schulich School of Engineering**

- »Chemical Engineering: 1969-
- »Civil Engineering: 1969-
- »Computer Engineering: 2002-
- »Electrical Engineering: 1969-
- »Geomatics Engineering: 1996-
- »Manufacturing Engineering: 1997-
- »Mechanical Engineering: 1969-
- »Oil and Gas Engineering: 2001-
- »Software Engineering: 2002-
- »Surveying Engineering: 1982-1997

**CARLETON UNIVERSITY**

Ottawa, Ontario

**Faculty of Engineering and Design**

- »Aerospace Engineering: 1992-
- »Architectural Conservation and Sustainability Engineering 2015-
- »Biomedical and Electrical Engineering: 2011-
- »Biomedical and Mechanical Engineering: 2012-
- »Civil Engineering: 1965-
- »Communications Engineering: 2002-
- »Computer Systems Engineering: 1984-
- »Electrical Engineering: 1965-
- »Engineering Physics: 2003-
- »Environmental Engineering: 1996-
- »Mechanical Engineering: 1965-
- »Software Engineering: 2003-
- »Sustainable and Renewable Energy Engineering: 2012-

**CONCORDIA UNIVERSITY**

Montréal, Québec  
(formerly Sir George Williams University, 1959-1974)

**Faculty of Engineering and Computer Science**

- »Building Engineering: 1982-
- »Civil Engineering: 1969-
- »Computer Engineering: 1983-
- »Electrical Engineering: 1969-
- »Industrial Engineering: 1995-
- »Mechanical Engineering: 1969-
- »Software Engineering: 2002-

**CONESTOGA COLLEGE**

Kitchener, Ontario

**School of Engineering and Information Technology**

»Electronic Systems Engineering: 2014-

**QUÉBEC EN ABITBI-TEMISCAMINGUE, UNIVERSITÉ DU**

Rouyn-Noranda, Québec

**Unité d'enseignement et de recherche en sciences appliquées**

- »Génie électromécanique: 2000-
- »Génie mécanique: 2011-

**QUÉBEC À CHICOUTIMI, UNIVERSITÉ DU**

Chicoutimi, Québec

**Department des sciences appliquées**

- »Génie civil: 2012-
- »Génie électrique: 2004-
- »Génie géologique: 1983-
- »Génie informatique: 1992-
- »Génie mécanique: 2004-
- »Génie unifié: 1981-2009
- »Ingénierie de l'aluminium: 2008-2012

**QUÉBEC À CHICOUTIMI, UNIVERSITÉ DU**

Chicoutimi, Québec

**Département des sciences appliquées**

- »Génie civil: 2012-
- »Génie électrique: 2004-
- »Génie géologique: 1983-
- »Génie informatique: 1992-
- »Génie mécanique: 2004-
- »Génie unifié: 1981-2009
- »Ingénierie de l'aluminium: 2008-2012

**QUÉBEC À MONTRÉAL, UNIVERSITÉ DU**

Montréal, Québec

**Faculté des sciences**

- »Génie microélectronique: 2007-

**QUÉBEC EN OUTAOUAIS, UNIVERSITÉ DU**

Gatineau, Québec

(formerly Québec a Hull, Université du)

**Module de l'ingénierie**

- »Génie informatique: 2002-

**QUÉBEC À RIMOUSKI, UNIVERSITÉ DU**

Rimouski, Québec

**Module de génie**

- »Génie des systèmes électromécaniques: 1998-
- »Génie électrique: 2009-
- »Génie mécanique: 2009-

**QUÉBEC À TROIS-RIVIÈRES, UNIVERSITÉ DU**

Trois-Rivières, Québec

**École d'ingénieure**

- »Génie chimique: 1990-
- »Génie électrique: 1978-
- »Génie industriel: 1980-
- »Génie mécanique manufacturier: 1987-1999

»Mechanical Systems Engineering: 2011-

## **DALHOUSIE UNIVERSITY**

Halifax, Nova Scotia  
(formerly Dal Tech, 1997-200 and Technical University of Nova Scotia, 1981-1997 and Nova Scotia Technical College, 1907-1980)

### **Faculty of Engineering**

- »Agricultural Engineering: 1974-2000
- »Biological Engineering: 1997-2014
- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-
- »Computer Engineering: 2006-2014
- »Core Program: 1980-
- »Electrical Engineering: 1965-
- »Engineering Physics: 1987-1991
- »Environmental Engineering: 2006-
- »Industrial Engineering: 1969-
- »Materials Engineering: 2005-
- »Mechanical Engineering: 1965-
- »Metallurgical Engineering: 1965-1977, 1981-2005
- »Mineral Resources Engineering: 2007-
- »Mining Engineering: 1965-2006

## **ÉCOLE DE TECHNOLOGIE SUPÉRIEURE**

Montréal, Québec  
(affiliated with l'Université du Québec)

- »Génie de la construction: 1993-
- »Génie des opérations et de la logistique: 2008-
- »Génie des technologies de l'information: 2006-
- »Génie et gestion de la construction: 1990-1996
- »Génie électrique: 1990-
- »Génie logiciel: 2004-
- »Génie mécanique: 1990-
- »Génie de la production automatisée: 1990-

## **GUELPH, UNIVERSITY OF**

Guelph, Ontario

### **School of Engineering**

- »Agricultural Engineering: 1973-1995
- »Biological Engineering: 1973-
- »Biomedical Engineering: 2014-
- »Computer Engineering: 2014-
- »Engineering Systems and Computing: 1994-
- »Environmental Engineering: 1993-
- »Food Engineering: 1993-2000
- »Mechanical Engineering: 2013-
- »Water Resources Engineering: 1973-

## **LAKEHEAD UNIVERSITY**

Thunder Bay, Ontario

### **Faculty of Engineering**

- »Chemical Engineering: 1974-
- »Civil Engineering: 1974-
- »Electrical Engineering: 1974-
- »Mechanical Engineering: 1974-

»Génie mécanique: 2000-

## **QUEEN'S UNIVERSITY**

Kingston, Ontario

### **Faculty of Applied Science**

- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-
- »Computer Engineering: 2002-
- »Electrical Engineering: 1965-
- »Engineering Chemistry: 1979-
- »Engineering Physics: 1965-
- »Geological Engineering: 1975-
- »Materials and Metallurgical Engineering: 1992-2002
- »Mathematics and Engineering: 1974-
- »Mechanical Engineering: 1965-
- »Metallurgical Engineering: 1965-1991
- »Mining Engineering: 1965-

## **REGINA, UNIVERSITY OF**

Regina, Saskatchewan

### **Faculty of Engineering and Applied Science**

- »Electronic Information Systems Engineering: 1986-1994
- »Electronic Systems Engineering: 1995-
- »Environmental Systems Engineering: 1997-
- »Industrial Systems Engineering: 1984-
- »Petroleum Systems Engineering: 2003-
- »Regional Environmental Systems Engineering: 1990-1997
- »Regional Systems Engineering: 1984-1989
- »Software Systems Engineering: 2007-
- »Systems Engineering: 1981-1983

## **ROYAL MILITARY COLLEGE OF CANADA**

Kingston, Ontario

### **Faculty of Engineering**

- »Aeronautical Engineering: 2009-
- »Chemical Engineering: 1965-1981, 2001-
- »Chemical and Materials Engineering: 1992-2001
- »Civil Engineering: 1965-
- »Computer Engineering: 1983-
- »Electrical Engineering: 1965-
- »Engineering and Management: 1972-1995
- »Engineering Physics: 1975-1995
- »Fuels and Materials Engineering: 1982-1991
- »Mechanical Engineering: 1965-

## **RYERSON POLYTECHNICAL INSTITUTE**

(see Ryerson University)

- »RPI offered accredited engineering programs in 1992.

## **RYERSON POLYTECHNICA UNIVERSITY (RPU)**

(see Ryerson University)

- »RPU offered accredited engineering programs from 1992 to 2002.

## **RYERSON UNIVERSITY**

»Software Engineering: 2002-

## **LAURENTIAN UNIVERSITY**

Sudbury, Ontario

### **School of Engineering**

- »Chemical Engineering: 2006-
- »Extractive Metallurgical Engineering: 1987-2006
- »Extractive Metallurgy: 1985-1986
- »Mechanical Engineering: 2011-
- »Mineral Resources Engineering: 1987-
- »Mining Engineering: 1987-

## **LAVAL, UNIVERSITÉ**

Québec, Québec

### **Faculté de foresterie, de géographie et de géomatique**

- »Génie du bois: 2002-
- »Génie géomatique: 2007-

### **Faculté des sciences de l'agriculture et de l'alimentation**

- »Génie agroalimentaire: 1999-
- »Génie agroenvironnemental: 2002-
- »Génie alimentaire: 1997-

### **Faculté des sciences et de génie**

- »Génie chimique: 1965-
- »Génie civil: 1965-
- »Génie des eaux: 2009-
- »Génie électrique: 1965-
- »Génie géologique: 1965-
- »Génie industriel: 2014-
- »Génie informatique: 1993-
- »Génie logiciel: 2006-
- »Génie des matériaux et de la métallurgie: 1990-
- »Génie mécanique: 1965-
- »Génie métallurgique: 1965-1990
- »Génie des mines et de la minéralurgie: 1990-
- »Génie minier: 1965-1990
- »Génie physique: 1965-
- »Génie rural: 1973-2002
- »Ingénierie/réhabilitation des infrastructure urbaines: 1999-

## **MANITOBA, THE UNIVERSITY OF**

Winnipeg, Manitoba

### **Faculty of Engineering**

- »Agricultural Engineering: 1971-1998
- »Biosystems Engineering: 1996-
- »Civil Engineering: 1965-
- »Computer Engineering: 1987-
- »Electrical Engineering: 1965-
- »Geological Engineering: 1965-2001
- »Industrial Engineering: 1987-2005
- »Manufacturing Engineering: 2003-2013
- »Mechanical Engineering: 1965-

## **MCGILL UNIVERSITY**

Toronto, Ontario

**(formerly Ryerson Polytechnical institute, 1964-1992, and Ryerson Polytechnic University, 1992-2002)**

### **Faculty of Engineering, Architecture and Science**

- »Aerospace Engineering: 1992-
- »Biomedical Engineering: 2012-
- »Chemical Engineering: 1992-
- »Civil Engineering: 1992-
- »Computer Engineering: 2006-
- »Electrical Engineering: 1992-
- »Industrial Engineering: 1992-
- »Mechanical Engineering: 1992-

## **SASKATCHEWAN, UNIVERSITY OF**

Saskatoon, Saskatchewan

### **College of Engineering**

- »Agricultural Engineering: 1965-1992
- »Agricultural and Bioresource Engineering: 1992-
- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-
- »Computer Engineering: 2009-
- »Electrical Engineering: 1965-
- »Engineering Physics: 1965-
- »Environmental Engineering: 2011-
- »Geological Engineering: 1965-
- »Geological Engineering (Geophysics): 1975-1999
- »Mechanical Engineering: 1965-
- »Mining Engineering: 1974-1976

## **SHERBROOKE, UNIVERSITÉ DE**

Sherbrooke, Québec

### **Faculté de génie**

- »Génie biotechnologique: 2008-
- »Génie chimique: 1973-
- »Génie civil: 1965-
- »Génie électrique: 1965-
- »Génie informatique: 1997-
- »Génie mécanique: 1965-

## **SIMON FRASER UNIVERSITY**

Burnaby, British Columbia

### **School of Engineering Science**

- »Engineering Science: 1986-
- »Mechatronic Systems Engineering: 2011-

## **SIR GEORGE WILLIAMS UNIVERSITY (SGW)**

(see Concordia University)

**SGW offered accredited engineering programs from 1969 to 1974.**

## **TORONTO, UNIVERSITY OF**

Toronto, Ontario

### **Faculty of Applied Science and Engineering**

- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-

Montréal, Québec

**Faculty of Agricultural and Environmental Sciences**

- »Bioresource Engineering: 2005-

**Faculty of Engineering**

**Agricultural Engineering (Macdonald College): 1971-2006**

- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-
- »Computer Engineering: 1993-
- »Electrical Engineering: 1965-
- »Materials Engineering: 2005-
- »Mechanical Engineering: 1965-
- »Metallurgical Engineering: 1965-2007
- »Mining Engineering: 1965-
- »Software Engineering: 2007-

**MCMASTER UNIVERSITY**

Hamilton, Ontario

**Faculty of Engineering**

- »Ceramic Engineering: 1974-1998
- »Chemical Engineering: 1965-
- »Chemical Engineering & Bioengineering: 2006-
- »Civil Engineering: 1989-
- »Civil Engineering & Computer Systems: 1992-1995
- »Civil Engineering & Engineering Mechanics: 1965-1988
- »Computer Engineering: 1981-
- »Electrical & Biomedical Engineering: 2006-
- »Electrical Engineering: 1965-
- »Engineering Physics: 1974-
- »Manufacturing Engineering: 1982-2005
- »Materials Engineering: 1990-
- »Mechanical Engineering: 1965-
- »Mechatronics Engineering: 2009-
- »Metallurgical Engineering: 1965-1997
- »Software Engineering: 2001-

**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**

St. John's, Newfoundland

**Faculty of Engineering and Applied Science**

- »Civil Engineering: 1975-
- »Computer Engineering: 2002-
- »Electrical Engineering: 1975-
- »Mechanical Engineering: 1975-
- »Naval Architectural Engineering: 1986-1996
- »Ocean and Naval Architectural Engineering: 1997-
- »Process Engineering: 2013-
- »Shipbuilding Engineering: 1982-1985

**MONCTON, UNIVERSITÉ DE**

Moncton, Nouveau-Brunswick

**Faculté d'ingénierie**

- »Génie civil: 1972-
- »Génie électrique: 1998-
- »Génie industriel: 1975-2009

- »Computer Engineering: 1994-
- »Electrical Engineering: 1965-
- »Engineering Science: 1965-
- »Geo-Engineering: 1983-1990
- »Geological Engineering: 1965-1974
- »Geological Engineering & Applied Earth Science: 1975-1982
- »Geological and Mineral Engineering: 1991-1998
- »Industrial Engineering: 1965-
- »Materials Engineering: 1996-
- »Mechanical Engineering: 1965-
- »Metallurgical Engineering and Materials Science: 1986-1995
- »Metallurgy & Materials Science: 1965-1985
- »Mineral Engineering: 1999-

**VICTORIA, UNIVERSITY OF**

Victoria, British Columbia

**Faculty of Engineering**

- »Computer Engineering: 1988-
- »Electrical Engineering: 1988-
- »Mechanical Engineering: 1992-
- »Software Engineering: 2007-

**WATERLOO, UNIVERSITY OF**

Waterloo, Ontario

**Faculty of Engineering**

- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-
- »Computer Engineering: 1989-
- »Electrical Engineering: 1965-
- »Environmental Engineering: 1999-
- »Geological Engineering: 1986-
- »Management Engineering: 2012-
- »Mechanical Engineering: 1965-
- »Mechatronics Engineering: 2008-
- »Nanotechnology Engineering: 2011-
- »Software Engineering: 2006-
- »Systems Design Engineering: 1974-

**WESTERN ONTARIO, THE UNIVERSITY OF**

London, Ontario

**Faculty of Engineering**

- »Chemical Engineering: 1965-1971, 2007-
- »Chemical and Biochemical Engineering: 1972-2006
- »Civil Engineering: 1965-
- »Computer Engineering: 2001-
- »Electrical Engineering: 1965-
- »Green Process Engineering: 2012-
- »Integrated Engineering: 2001-
- »Materials Engineering: 1968-1999
- »Mechanical Engineering: 1965-
- »Mechatronic Systems Engineering: 2014-
- »Software Engineering: 2001-

**WINDSOR, UNIVERSITY OF**

»Génie mécanique: 1990-

## **NEW BRUNSWICK, UNIVERSITY OF**

Fredericton, New Brunswick

### **Faculty of Computer Science and Faculty of Engineering**

**Software Engineering: 2006-**

### **Faculty of Engineering**

- »Chemical Engineering: 1965-
- »Civil Engineering: 1965-
- »Computer Engineering: 2001-
- »Electrical Engineering: 1965-
- »Forest Engineering: 1972-
- »Geological Engineering: 1984-
- »Geomatics Engineering: 1999-
- »Mechanical Engineering: 1965-
- »Surveying Engineering: 1972-1999

## **NORTHERN BRITISH COLUMBIA, UNIVERSITY OF**

Prince George, British Columbia

### **College of Science and Management**

- »Environmental Engineering
- »(jointly with British Columbia): 2007-

## **Windsor, Ontario**

### **Faculty of Engineering**

- »Chemical Engineering: 1965-1990
- »Civil Engineering: 1965-
- »Electrical Engineering: 1965-
- »Engineering Materials: 1974-1991
- »Environmental Engineering: 1991-
- »Geological Engineering: 1972-1989
- »Industrial Engineering: 1974-
- »Mechanical Engineering: 1965-

## **YORK UNIVERSITY**

Toronto, Ontario

### **Faculty of Science and Engineering**

- »Computer Engineering: 2007-
- »Geomatics Engineering: 2007-
- »Space Engineering: 2007-

# Appendix C

## Canadian discipline categories as used in this report

This section provides a comprehensive listing of program titles, as provided by the post-secondary, which are currently offered at both the undergraduate (accredited) and postgraduate levels in Canada only. The “discipline” listing is the broad category within which a number of similar programs are grouped. While this report does not provide detailed data on individual programs, the information can be obtained by contacting Engineers Canada.

Discipline: *Biosystems*

Program

- »Agricultural and Bioresource Engineering
- »Bioresource Engineering
- »Biological Engineering
- »Biomedical Engineering
- »Biomedical and Mechanical Engineering
- »Biomedical Mechanical Engineering
- »Biomedical: Computer Science
- »Biosystems Engineering
- »Chemical and Biological Engineering
- »Forest Engineering
- »Génie agroalimentaire
- »Génie agroenvironnemental
- »Génie alimentaire
- »Génie biomédical
- »Génie biotechnologique

Discipline: *Civil*

Program

- »Architectural Conservation and Sustainability
- »Architectural Engineering

Discipline: *Chemical*

Program

- »Chemical and Petroleum Engineering
- »Chemical Engineering
- »Chemical Engineering and Bioengineering
- »Génie biotechnologique
- »Génie chimique
- »Nanotechnology Engineering

Discipline: *Computer*

Program

- »Computational Engineering and Science
- »Computer Engineering
- »Computer Networks Engineering
- »Computer Systems Engineering
- »Electronic Information Systems Engineering
- »Electronic Systems Engineering
- »Engineering Systems and Computing
- »Génie informatique
- »Human Computer Interaction
- »Software Engineering and Game Design
- »Systems – Electrical & Computer



- »Building Engineering
- »Civil Engineering
- »Civil and Environmental Engineering
- »Génie civil
- »Génie de la construction
- »Génie et gestion de la construction
- »Infrastructure Protection and International Security
- »Ingénierie/réhabilitation des infrastructures urbaines

Discipline: *Electrical*

Program

- »Biomedical and Electrical Engineering
- »Communications Engineering
- »Controls Engineering
- »Electrical Engineering
- »Electrical and Computer Engineering
- »Electrical and Biomedical Engineering
- »Electronic Business Technologies
- »Energy Systems Engineering
- »Electro-mechanical Design
- »Electronics Systems Engineering
- »Génie des opérations et de la logistique
- »Génie des technologies de l'information
- »Génie des systèmes électromécaniques
- »Génie électrique
- »Génie électromécanique
- »Génie énergétique
- »Génie microélectronique
- »Information Systems Security Engineering
- »Quality Systems Engineering
- »Sustainable Energy Engineering

Discipline: *Geological*

Program

- »Génie géologique
- »Geological Engineering
- »Geological Engineering (Geophysics)

Discipline: *Materials or Metallurgical*

**Program**

- »Génie des matériaux et de la métallurgie
- »Génie des matériaux
- »Génie métallurgique
- »Ingénierie de l'aluminium
- »Materials Engineering
- »Mining/Materials Engineering

Discipline: *Mining or Mineral*

**Program**

- »Génie des mines
- »Génie des mines et de la minéralurgie
- »Génie minéral
- »Maîtrise en génie minéral
- »Mineral Engineering
- »Mining Engineering

Discipline: *Engineering Physics*

Program

- »Engineering Chemistry
- »Engineering Mathematics
- »Engineering Physics
- »Engineering Science
- »Génie physique
- »Mathematics and Engineering
- »Mathématiques

Discipline: *Environmental*

Program

- »Clean Energy Engineering
- »Energy and Environment Systems
- »Environmental Engineering
- »Environmental Systems Engineering
- »Génie des eaux
- »Maîtrise en Science de la Terre
- »Maîtrise en génie de l'environnement
- »Sustainable & Renewable Energy
- »Sciences de la Terre et de l'atmosphère
- »Génie ressources et systèmes
- »Water Resources Engineering

Discipline: *Industrial or Manufacturing*

Program

- »Advanced Design and Manufacturing Institute
- »Advanced Manufacturing and Process Systems
- »Électronique industrielle
- »Génie de la production automatisée
- »Génie des opérations et de la logistique
- »Génie industriel
- »Génie mécanique manufacturier
- »Génie sécurité et hygiène industrielles
- »Industrial Engineering
- »Industrial Systems Engineering
- »Mechanical Manufacturing Engineering
- »Manufacturing Engineering

Discipline: *Mechanical*

Program

- »Automotive Engineering
- »Génie mécanique
- »Mechanical Engineering
- »Mechanical/Industrial Engineering
- »Mechanical & Materials Engineering
- »Mechanical & Manufacturing Engineering
- »Mechanical & Mechatronic Engineering
- »Mechanical Systems Engineering
- »Mechatronics Engineering
- »Mechatronic Systems Engineering
- »Radiation Science Engineering
- »Space Engineering



- »Mineral Resources Engineering
- »Natural Resources Engineering

Discipline: *Other*

**Program**

- »Aeronautical Engineering
- »Aerospace Engineering
- »Centre for Business, Entrepreneurship & Technology
- »Civil and Geological Engineering
- »Core Program
- »Doctorat en ingénierie
- »Doctorat en ressources minérales
- »Engineering and Public Policy
- »Engineering Design
- »Engineering Management
- »Engineering Systems and Computing
- »Engineering Management
- »Fire Protection Engineering
- »Génie aérospatial
- »Génie du bois
- »Génie géomatique
- »Génie nucléaire
- »Génie papetier
- »Génie sciences des pâtes et papiers
- »Génie des technologies de l'information
- »Génie unifié
- »General Engineering
- »Geodesy and Geomatics
- »Geo-engineering
- »Geomatics Engineering
- »Green Process Engineering
- »Information and Systems Engineering
- »Integrated Engineering
- »Management Engineering
- »Management Sciences
- »Nuclear Engineering
- »Ocean and Naval Architectural Engineering
- »Oil and Gas Engineering
- »Petroleum Engineering
- »Petroleum Systems Engineering
- »Process Engineering
- »Pulp & Paper Engineering
- »Systems Design Engineering
- »TIM (Systems)
- »Technology Management
- »Telecommunications Technical Management

Discipline: *Software*

**Program**

- »Génie logiciel
- »Information Systems Science Engineering
- »Software Engineering
- »Software Engineering Entrance Program
- »Software Engineering & Virtual Systems Design
- »Software Systems Engineering

Year One/Two:

- »Common First and Second Year

Common Year:

- »Engineering Entrance
- »Year One - Common

The discipline Engineering Science (E.Sci.) involves science-intensive studies in engineering physics, engineering bioscience, engineering chemistry and other specializations offered by universities with accredited engineering science programs.

Several universities in Canada have common first-year and, in some cases, second-year programs. Students in these programs do not declare a discipline of study in their first year or, as applicable, second year. The total number of students in common first-, second- and qualifying-year programs have been separated from the "Other" category, beginning with the 1997 data. This subdivision will be continued in future years.

# Appendix D

## Associated universities explained

Dalhousie University, Royal Military College of Canada (RMC), and Associated Universities

The bachelor of engineering degree awarded by Dalhousie University is normally conferred in association with one of several associated universities. The program of study is divided into two parts: the associated universities offer programs in engineering covering the first part of the requirements for the degree and the Faculty of Engineering at Dalhousie offers courses in several departments of engineering covering the second part. There are other higher education institutions in Canada that operate under this model. Under the Accreditation Board's regulations for granting credits, a formally documented validation procedure must be in place.

Some of the associated universities include the following:

- »Acadia University
- »University of Cape Breton
- »Dalhousie University
- »Mount Allison University (as of 2000, no longer offering engineering programs)
- »Nova Scotia Agricultural College
- »St. Francis Xavier University
- »Saint Mary's University

## Endnotes

1. *I. 'Accredited programs' are programs that are recognized by the Accreditation Board as meeting the educational standard required by candidates for a professional engineering licence.*
2. *This section and all following sections refer only to enrolment in currently accredited programs.*
3. *Graduates of programs at this institution may have completed additional non-technical studies, such as a management or society option, that will be listed on their transcripts. These transcripts contain wording such as "(Discipline) Engineering and Society" or "(Discipline) Engineering and Management." Only the engineering component of these programs is accredited by the Accreditation Board; thus, even though these options meet the accreditation requirements, only the base engineering programs are listed here.*
4. *Graduates of programs at this institution may have completed additional non-technical studies, such as a management option, that will be listed on their degrees and transcripts. These degrees and transcripts contain wording such as "(Discipline) Engineering and Management." Only the engineering component of these programs is accredited by the Accreditation Board; thus, even though these options meet the accreditation requirements, only the base engineering programs are listed here.*
5. *Although reported under Engineering Physics, the SFU program is a broader Engineering Science program with multiple options—Biomedical Engineering, Computer Engineering, Electronics Engineering, Engineering Physics and Systems Engineering.*