

POST-SECONDARY GRADUATE REPORT

Employment Equity Availability Data
For Employers Covered Under
The Employment Equity Act
And
The Federal Contractors Program

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Source: University Student Information Systems (USIS)
Community College Student Information Systems (CCSIS)
Statistics Canada

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EMPLOYMENT EQUITY DATA

EDUCATION STATISTICS

Background Information

The Canadian Post-secondary Graduate Report provides information on university and college graduates. The current report has been prepared to augment the information previously released in the 1991 Employment Equity Data Report on Designated Groups. This update is intended to assist employers in implementing employment equity programs and has been produced in direct response to requests for statistics pertinent to students graduating from post-secondary educational institutions.

An Executive Summary

University

There are noticeable changes in the patterns of male and female graduates from the various major fields of study. Between 1987-1996, male and female-dominated fields seem to be less prevalent (i.e. more women are entering previously male dominated fields and more men are entering fields that were previously dominated by women).

Most of these changes are due to the increasing representation of females receiving Bachelor's, Master's and Doctoral degrees over the past 10-15 years. Engineering and Applied Sciences, and Mathematics and Physical Sciences are fields of study that had been dominated by males in the past. That trend is changing with the increasing number of female graduates in all University levels of study.

Women graduates with a Bachelors degree in Engineering and Applied Sciences increased by 83% between the years 1990 and 1996, while there was only a 10% increase by males. A rise was also seen in the Mathematics and Physical Sciences where females jumped 26% and males by 6%.

The male dominated fields of study were less prevalent at the Masters level. The number of women graduates with a Masters degree rose dramatically between 1990-1996. In 1995, females became the majority of MA graduates for the first time. In the Engineering and Applied Sciences field the number of women increased by an astounding 121% from 1990-1996. Another substantial change was a 59% increase of females and 2% decline of males in the previously male dominated area of Mathematics and Physical Sciences.

At the Doctorate level, women showed the same pattern as at the Bachelors and Masters levels. Between 1990 and 1996, female PHD graduates had a remarkable increase of 143% in Engineering and Applied Sciences. The Health Professions and Occupations was the second highest area of increase for women with growth of 78% over the seven years.

Community College

At the Community College level there was a greater number of men becoming involved in the female dominated areas, than that at the University level. Men increased 11% and women decreased 5% in the Health Sciences and Related field, where women represent over 80% of the graduates. Men also increased 59% from 1990-1995 in the previously female dominated Social Sciences. The biggest increase for males (155%) created an almost equal number of male and female graduates in the Arts and Sciences General Studies. Women did have an upsurge of percentage in Engineering and Applied Sciences, however, males also increased by roughly the same amount, maintaining over 80% of the graduates.

Data/Information Sources

The graduate statistics have been drawn from two databases maintained by Statistics Canada. The University Student Information System (USIS) contains student graduate data which have been collected on an annual basis from all degree-granting institutions in Canada. The response rate is 100 per cent. The Community College Student Information System (CCSIS) also includes annual graduate statistics, but covers the other (i.e. non-degree granting) institutions in Canada which provide post-secondary education.

The data are intended to provide employers with the numbers of students graduating each year who have the requisite skills or training required for particular occupations. In this, and the previous report, the stock of graduates for both universities and colleges has been presented at the national level of aggregation. The data are also available at the provincial level of aggregation and may be obtained from the Labour Program by request - see Technical Notes.

Bachelor

Highlights:

In 1996, the number of bachelor degrees granted by Canadian universities was 127,989, over 7,000 more than 1992 and almost 25,000 more than 1987. There is a noticeable jump in the number of graduates between the years of 1989-1992 where there is an increase of almost 15.0%. Figure 1 shows the annual successive gains demonstrating a 24.2% increase from 1987 to 1996 in the total number of degrees granted.

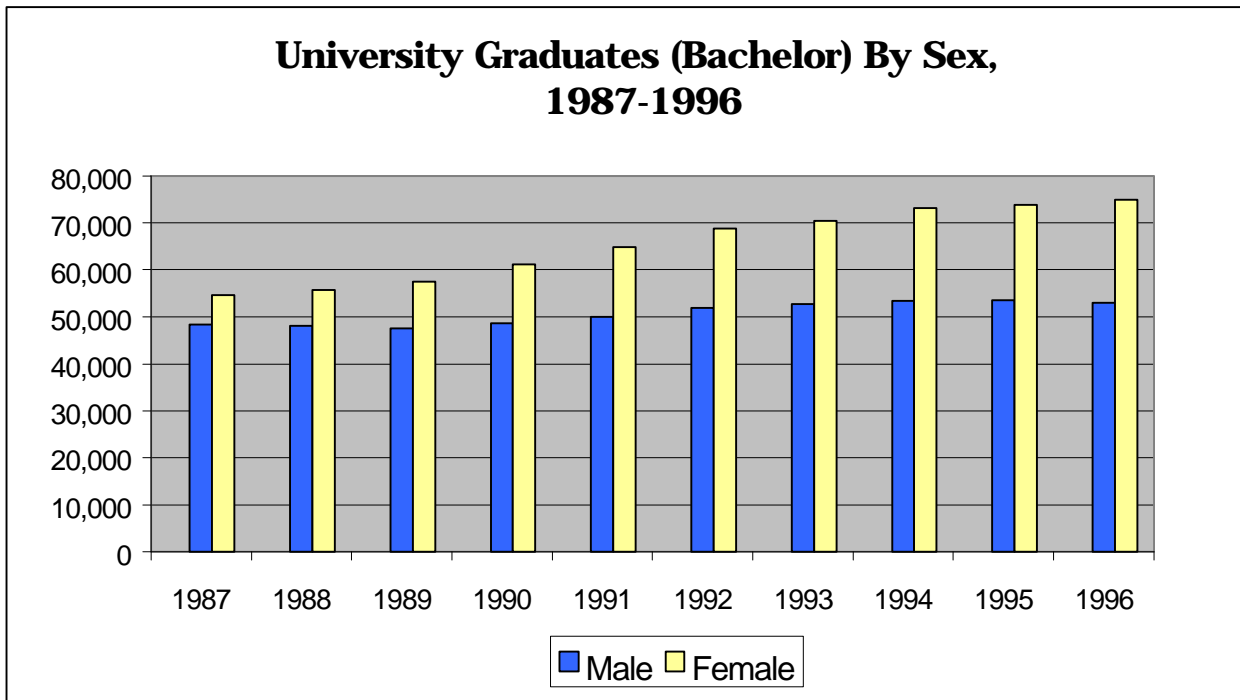


Figure 1

It is of interest to note that the representation of females receiving bachelor's degrees has steadily increased over the last decade as women represented 53.0% (54,664) of the bachelor's graduates in 1987 and 58.6% (74,946) in 1996. Furthermore, during this period, female graduate grew by 37.1%, with only a 9.6% increase by males.

The patterns of male and female graduation from the various major fields of study are changing significantly. Between 1990 and 1996, gender-dominated fields are becoming less prevalent. More women are entering previously male-dominated fields. For example, between 1990 and 1996, the representation of women in the Engineering and Applied Science field has increased by 7.0 percentage point, and the number of female in that field grew by 83.0%. This is also apparent for women in Mathematics and Physical Sciences fields where there has been a 3.7 percentage point increase with an overall growth of 25.5%. (See Table 5, pg.10)

In 1996, the most popular major field of study for both male and female was the Social Sciences. In that year 20,000 males and about 28,000 females received bachelor's degrees.

Masters

Highlights:

Canadian Universities granted 21,558 Master's degrees in 1996. There is a significant increase of almost 35.0% from 1987 in the total number of degrees granted. This increase is due largely in part to the growth of the number of female graduates receiving Master's degrees.

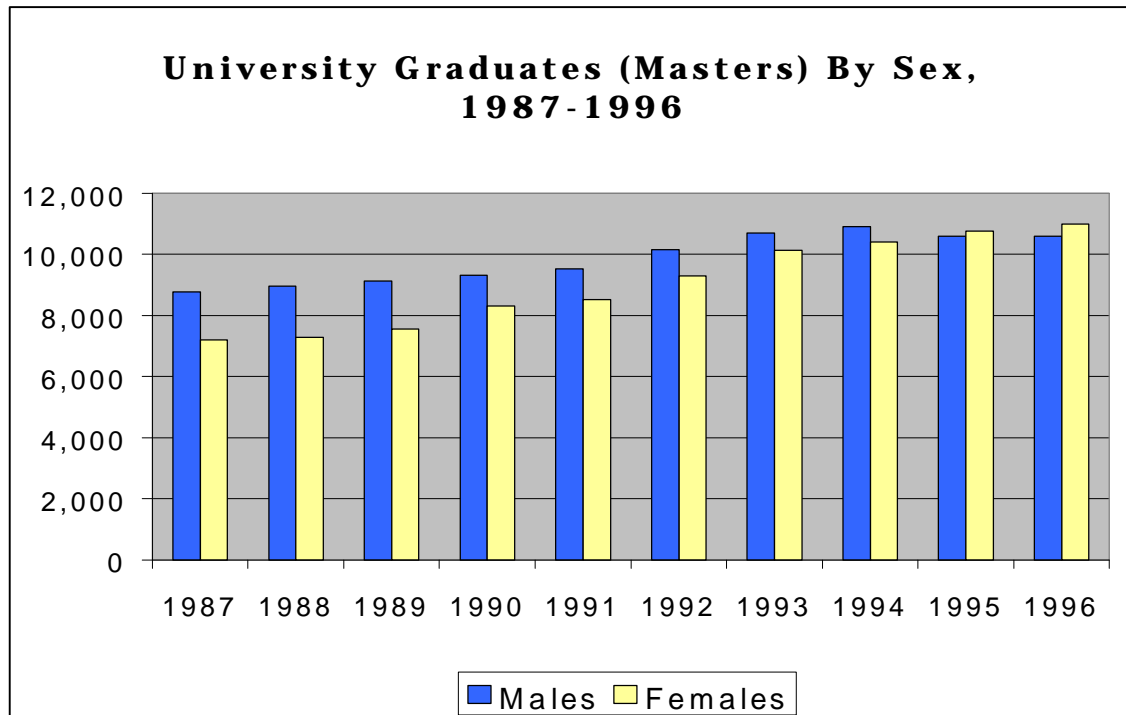


Figure 2

Figure 2 shows that the female representation has rapidly increased over the past 15 years with women becoming the majority (51%) of Master's graduates in 1995 and 1996. Initially there was a steady increase of males receiving Master's degrees as well; however, the number has declined during the last two years, contributing to a female majority.

During this period the number of females receiving Masters increased by 52.5%, while males only rose by 20.5%.

In 1996, the most popular field of study for men and women at the Master's level was the Social Sciences and related fields (similar to the Bachelor's level). In that year, almost 4,000 women and 4,500 men received a Master's degree in this major field of study.

Between 1990 and 1996 the data indicate that the representation of women is increasing in fields of study which were previously male dominated. Between those years, the representation of women in the Engineering and Applied Sciences major field has increased (7.8 percentage point) as the number of female graduate engineers grew by 121.1%. (See Table 6, pg.11)

Doctorate

Highlights:

In 1996, the number of Doctoral degrees issued to male and female graduates also continued to grow, with almost 4,000 degrees being granted. This represents a notable increase of almost 65.0% from 1987.

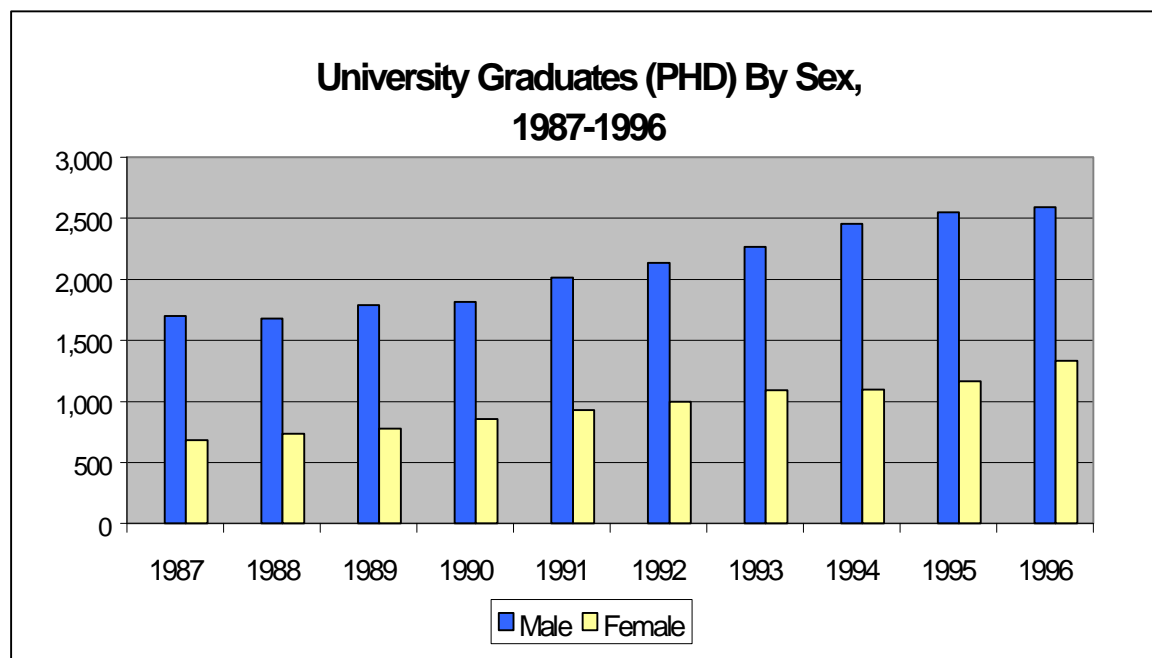


Figure 3

As shown in Figure 3, female recipients were largely responsible for the increase in PHD graduates with an astounding gain of 95.8% since 1987. Males are also increasing with a 52.4% rise over the period, and still represent a majority (66.0%) of the recipients. This makes the Doctoral degree the fastest growing level of study.

The representation of women receiving doctoral degrees has increased from 28.6% (682) in 1987 to 34.0% (1,335) in 1996. Males receiving doctoral degrees also grew from 1,702 in 1987 to 2,593 in 1996.

At the Doctoral level, the most popular major field of study for men in 1996 was Mathematics and Physical Sciences, while the most popular for women was the Social Sciences and Related fields of study. Between 1990 and 1996, it is interesting to note that there was a 5.3 percentage point increase of females in the Health Professions and Occupations field, and a 4.0 percentage point rise in the Engineering and Applied Sciences field. (See Table 7, pg.12) This demonstrates further examples of females becoming involved in previously male dominated areas.

Community Colleges

Highlights:

In 1995, the number of community college degrees granted by Canadian colleges was 74,413, a 26.0% jump from 1986. There is a noticeable rise of 23.1% in the total number of graduates between the years of 1992-1995 where both male and female growth took place.

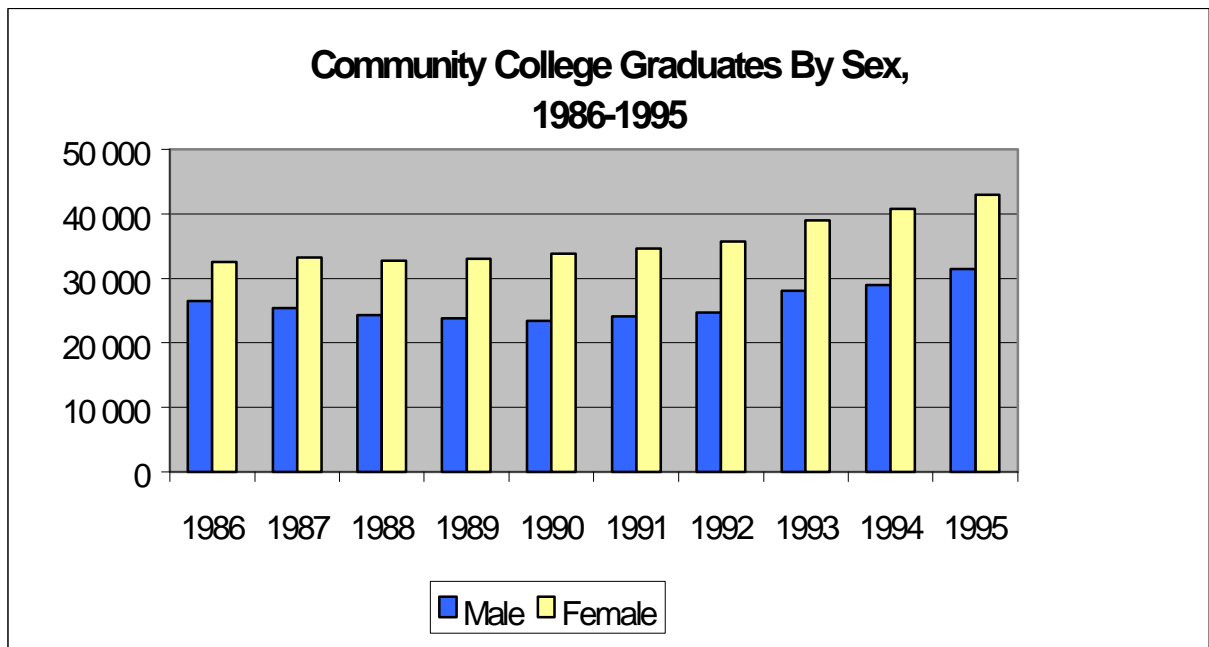


Figure 4

As shown in Figure 4, males decreased during the late 1980's, but rose in numbers over the last 5 years. The number of women graduates remained steady at around 33,000 during the late 1980's, and also increased in numbers over the last five years. Both males and females grew in graduate population from 1986 to 1995 with an 18.6% rise in males and a 32.0% rise in females.

Even though the growth of the Community Colleges graduates is not as fast as the activity at the University level, a similar trend indicates steady growth over the same period.

In 1996, three major fields of study produced almost 70% of all community college graduates. Business and Commerce (28.8%); Engineering and Applied Sciences (21.0%); and Social Sciences and Services (19.3%). In the Health Sciences and Related, where women represent 83.6% of the graduates, men increased 11.3% while females declined 4.7% from 1990-1996. (See Table 8, pg.13)

Observations and Issues for Further Study

The primary feature is the increased involvement of women in previously male dominated areas of study. For example, areas such as Engineering & Applied Sciences and Mathematics & Physical Sciences, where male graduates are dominant, the female representation is now increasing every year. This increased involvement of women graduates will likely encourage other females to enroll in those areas.

Economic change and occupational and labour market demand would be factors to consider when discussing fields of study becoming more or less prevalent in the future. Currently, Information Technology and the Computer Industry offer great opportunity. This demand might also be an incentive for women to enroll in the areas of Engineering, Math, and Computer Science, which have been heavily male dominated. The use of computers and the Internet for distance education is another area, which is rapidly becoming popular. Earning a degree in your home in your spare time is now feasible.

With these changing trends in the graduate population, the following could be the subject of further study:

- Relationship between the rate of growth of women graduates and the wage gap between males and females
- Relationship between the areas of study, involving the occupations entered by women and the increased life time earnings
- Relationship between the fields of study and the increased participation rate of women in technical areas

Technical Notes

- The education data are intended to serve as a supplement to the census material and provide a separate source of intercensal information. While the census data reflect the participation of the designated groups under the Employment Equity Act, the resulting statistics are not available on an annual basis.
- At the present time, information that identifies visible minorities, persons with disabilities and aboriginal peoples is not available from the education survey. Consequently, these data feature only the male/female distribution in the graduate population. However, planning is underway for a presentation to a Federal/Provincial Committee composed of Ministers of Education which will feature a request for graduate data indicating designated group status.
- The graduate statistics should not be confused with enrolment data, which are also produced by Statistics Canada. Enrolment refers to the number of students (head count) in attendance at one point during the year while graduate data refer to the number of degrees, diplomas or certificates awarded throughout the year.
- The data are also available at the provincial level of aggregation and can be obtained by request through the Data Development Section, Labour Standards and Workplace Equity Directorate, Labour Branch, Human Resources and Development Canada. The data may be requested either on hard copy or diskette.
- All degree-granting institutions are covered by the University Information System (USIS). In contrast, the Community College Information System (CCSIS) survey covers post-secondary non-degree granting institutions such as colleges of applied arts and technology, the general and vocational colleges (Collèges d'enseignement général et professionnel, CEGEP) in Quebec, technical institutes and other establishments providing training in the technologies in specialized fields such as agriculture, arts and forestry and/or university transfer programs.
- The graduate data are presented by major field of study which can vary from year to year as the educational institutions change curriculum in response to labour force demands and student interests.

**Summary Tables For
University and Community College Graduates
(All Fields and Programs of Study)**

**Table 1
University Graduates (Bachelor)
By Sex, 1987-1996**

	Male	Female	Total
1987	48 406	54 664	103 070
1988	48 056	55 728	103 784
1989	47 576	57 497	105 073
1990	48 660	61 154	109 814
1991	49 986	64 829	114 815
1992	51 959	68 786	120 745
1993	52 728	70 474	123 202
1994	53 483	73 055	126 538
1995	53 551	73 780	127 331
1996	53 043	74 946	127 989
	9,6%	37,1%	24,2%

**Table 2
University Graduates (Masters)
By Sex, 1987-1996**

	Male	Female	Total
1987	8 776	7 202	15 978
1988	8 955	7 287	16 242
1989	9 135	7 550	16 685
1990	9 315	8 303	17 618
1991	9 513	8 525	18 038
1992	10 140	9 295	19 435
1993	10 699	10 119	20 818
1994	10 901	10 391	21 292
1995	10 595	10 761	21 356
1996	10 578	10 980	21 558
	20,5%	52,5%	34,9%

**Table 3
University Graduates (Doctorate)
By Sex, 1987-1996**

	Male	Female	Total
1987	1 702	682	2 384
1988	1 677	738	2 415
1989	1 790	779	2 569
1990	1 814	858	2 672
1991	2 017	930	2 947
1992	2 136	1 000	3 136
1993	2 265	1 091	3 356
1994	2 453	1 099	3 552
1995	2 551	1 165	3 716
1996	2 593	1 335	3 928
	52,4%	95,8%	64,8%

**Table 4
Community College Graduates
By Sex, 1986-1995**

	Male	Female	Total
1986	26 497	32 540	59 037
1987	25 350	33 232	58 582
1988	24 272	32 757	57 029
1989	23 800	33 004	56 804
1990	23409	33 846	57 255
1991	24 131	34 687	58 818
1992	24 730	35 705	60 435
1993	28 065	38 996	67 061
1994	28 956	40 857	69 813
1995	31 434	42 979	74 413
	18,6%	32,0%	26,0%

Note: (%- percentages) are the specified column percentage *increases* from 1987-1996(Tables 1,2,3)
1986-1995(Table 4)

Source: Derived from Statistics Canada's University Student Information System Database and/or
College Student Information System Database.

TABLE 5

University Graduates (Bachelor Degree) By Area of Study and Sex Canada 1990, 1993, 1996											
AREA OF STUDY	<i>1990</i>			<i>1993</i>			<i>1996</i>			Rate of Growth(%)	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Education, Physical Education,Sports, Recreation and Leisure	5 386	13 038	18 424	6 080	14 999	21 079	6 235	15 186	21 421	15,8%	16,5%
Fine and Applied Arts	1 227	2 353	3 580	1 361	2 688	4 049	1 442	2 700	4 142	17,5%	14,7%
Humanities and Related	5 167	8 713	13 880	6 174	10 532	16 706	5 866	10 023	15 889	13,5%	15,0%
Social Sciences and Related	19 236	22 974	42 210	21 113	26 731	47 844	20 031	28 391	48 422	4,1%	23,6%
Agriculture and Biological Sciences	3 101	4 106	7 207	3 142	4 580	7 722	3 679	5 609	9 288	18,6%	36,6%
Engineering and Applied Sciences	6 803	1 043	7 846	6 974	1 335	8 309	7 506	1 909	9 415	10,3%	83,0%
Health Professions and Occupations	2 263	5 336	7 599	2 217	5 561	7 778	2 293	6 340	8 633	1,3%	18,8%
Mathematics and Physical Sciences	4 477	1 813	6 290	4 592	1 988	6 580	4 729	2 276	7 005	5,6%	25,5%
Others(n.e.c.)	1 000	1 778	2 778	1 075	2 060	3 135	1 262	2 512	3 774	26,2%	41,3%
TOTAL	48 660	61 154	109 814	52 728	70 474	123 202	53 043	74 946	127 989		
<u>Representation (%)</u>										<i>Percentage Point change 1990-1996</i>	
Education, Physical Education,Sports, Recreation and Leisure	29,2%	70,8%	100,0%	28,8%	71,2%	100,0%	29,1%	70,9%	100,0%	-0,1%	0,1%
Fine and Applied Arts	34,3%	65,7%	100,0%	33,6%	66,4%	100,0%	34,8%	65,2%	100,0%	0,5%	-0,5%
Humanities and Related	37,2%	62,8%	100,0%	37,0%	63,0%	100,0%	36,9%	63,1%	100,0%	-0,3%	0,3%
Social Sciences and Related	45,6%	54,4%	100,0%	44,1%	55,9%	100,0%	41,4%	58,6%	100,0%	-4,2%	4,2%
Agriculture and Biological Sciences	43,0%	57,0%	100,0%	40,7%	59,3%	100,0%	39,6%	60,4%	100,0%	-3,4%	3,4%
Engineering and Applied Sciences	86,7%	13,3%	100,0%	83,9%	16,1%	100,0%	79,7%	20,3%	100,0%	-7,0%	7,0%
Health Professions and Occupations	29,8%	70,2%	100,0%	28,5%	71,5%	100,0%	26,6%	73,4%	100,0%	-3,2%	3,2%
Mathematics and Physical Sciences	71,2%	28,8%	100,0%	69,8%	30,2%	100,0%	67,5%	32,5%	100,0%	-3,7%	3,7%
Others(n.e.c.)	36,0%	64,0%	100,0%	34,3%	65,7%	100,0%	33,4%	66,6%	100,0%	-2,6%	2,6%

Source: Derived from Statistics Canada's University Student Information System Database

TABLE 6

University Graduates (Master Degree) By Area of Study and Sex Canada 1990, 1993, 1996											
AREA OF STUDY	<i>1990</i>			<i>1993</i>			<i>1996</i>			<i>Rate of Growth(%)</i>	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Education, Physical Education, Sports, Recreation & Leisure	1 176	2 196	3 372	1 131	2 485	3 616	974	2 481	3 455	-17,2%	13,0%
Fine and Applied Arts	153	241	394	189	279	468	208	302	510	35,9%	25,3%
Humanities and Related	1 010	1 316	2 326	1 172	1 604	2 776	1 179	1 620	2 799	16,7%	23,1%
Social Sciences and Related	3 822	2 979	6 801	4 504	3 555	8 059	4 564	3 982	8 546	19,4%	33,7%
Agriculture and Related	438	403	841	499	494	993	432	554	986	-1,4%	37,5%
Engineering and Applied Sciences	1 352	218	1 570	1 765	346	2 111	1 735	482	2 217	28,3%	121,1%
Health Professions and Occupations	349	663	1 012	446	953	1 399	455	1 050	1 505	30,4%	58,4%
Mathematics and Physical Sciences	996	273	1 269	954	347	1 301	978	435	1 413	-1,8%	59,3%
Others(n.e.c.)	19	14	33	39	56	95	53	74	127	178,9%	428,6%
TOTAL	9 315	8 303	17 618	10 699	10 119	20 818	10 578	10 980	21 558		
<u>Representation (%)</u>										<i>Percentage Point change 1990-1996</i>	
Education, Physical Education, Sports, Recreation & Leisure	34,9%	65,1%	100,0%	31,3%	68,7%	100,0%	28,2%	71,8%	100,0%	-6,7%	6,7%
Fine and Applied Arts	38,8%	61,2%	100,0%	40,4%	59,6%	100,0%	40,8%	59,2%	100,0%	2,0%	-2,0%
Humanities and Related	43,4%	56,6%	100,0%	42,2%	57,8%	100,0%	42,1%	57,9%	100,0%	-1,3%	1,3%
Social Sciences and Related	56,2%	43,8%	100,0%	55,9%	44,1%	100,0%	53,4%	46,6%	100,0%	-2,8%	2,8%
Agriculture and Related	52,1%	47,9%	100,0%	50,3%	49,7%	100,0%	43,8%	56,2%	100,0%	-8,3%	8,3%
Engineering and Applied Sciences	86,1%	13,9%	100,0%	83,6%	16,4%	100,0%	78,3%	21,7%	100,0%	-7,9%	7,9%
Health Professions and Occupations	34,5%	65,5%	100,0%	31,9%	68,1%	100,0%	30,2%	69,8%	100,0%	-4,3%	4,3%
Mathematics and Physical Sciences	78,5%	21,5%	100,0%	73,3%	26,7%	100,0%	69,2%	30,8%	100,0%	-9,3%	9,3%
Others(n.e.c.)	57,6%	42,4%	100,0%	41,1%	58,9%	100,0%	41,7%	58,3%	100,0%	-15,8%	15,8%

Source: Derived from Statistics Canada's University Student Information System Database

TABLE 7

**University Graduates (Doctorate Degree) By Area of Study and Sex
Canada 1990, 1993, 1996**

AREA OF STUDY	1990			1993			1996			Rate of Growth(%)	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Education, Physical Education, Sports, Recreation & Leisure	124	151	275	163	198	361	145	218	363	16,9%	44,4%
Fine and Applied Arts	8	7	15	9	14	23	19	14	33	137,5%	100,0%
Humanities and Related	188	139	327	206	174	380	264	212	476	40,4%	52,5%
Social Sciences and Related	289	213	502	336	255	591	397	295	692	37,4%	38,5%
Agriculture and Related	240	98	338	275	122	397	296	164	460	23,3%	67,3%
Engineering and Applied Sciences	383	30	413	506	46	552	577	73	650	50,7%	143,3%
Health Professions and Occupations	181	112	293	235	165	400	258	199	457	42,5%	77,7%
Mathematics and Physical Sciences	387	98	485	516	99	615	598	135	733	54,5%	37,8%
Others(n.e.c.)	14	10	24	19	18	37	39	25	64	178,6%	150,0%
TOTAL	1 814	858	2 672	2 265	1 091	3 356	2 593	1 335	3 928		
<u>Representation (%)</u>										<i>Percentage Point change 1990-1996</i>	
Education, Physical Education, Sports, Recreation & Leisure	45,1%	54,9%	100,0%	45,2%	54,8%	100,0%	39,9%	60,1%	100,0%	-5,1%	5,1%
Fine and Applied Arts	53,3%	46,7%	100,0%	39,1%	60,9%	100,0%	57,6%	42,4%	100,0%	4,2%	-4,2%
Humanities and Related	57,5%	42,5%	100,0%	54,2%	45,8%	100,0%	55,5%	44,5%	100,0%	-2,0%	2,0%
Social Sciences and Related	57,6%	42,4%	100,0%	56,9%	43,1%	100,0%	57,4%	42,6%	100,0%	-0,2%	0,2%
Agriculture and Related	71,0%	29,0%	100,0%	69,3%	30,7%	100,0%	64,3%	35,7%	100,0%	-6,7%	6,7%
Engineering and Applied Sciences	92,7%	7,3%	100,0%	91,7%	8,3%	100,0%	88,8%	11,2%	100,0%	-4,0%	4,0%
Health Professions and Occupations	61,8%	38,2%	100,0%	58,8%	41,3%	100,0%	56,5%	43,5%	100,0%	-5,3%	5,3%
Mathematics and Physical Sciences	79,8%	20,2%	100,0%	83,9%	16,1%	100,0%	81,6%	18,4%	100,0%	1,8%	-1,8%
Others(n.e.c.)	58,3%	41,7%	100,0%	51,4%	48,6%	100,0%	60,9%	39,1%	100,0%	2,6%	-2,6%

Source: Derived from Statistics Canada's University Student Information System Database

TABLE 8

**Community College Graduates By Area of Study and Sex
Canada 1990, 1993, 1995**

AREA OF STUDY	1990			1993			1995			Rate of Growth(%)	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Arts and Sciences-General Studies	95	198	293	132	215	347	242	302	544	154,7%	52,5%
Arts	1 893	2 990	4 883	2 235	3 351	5 586	2 555	3 574	6 129	35,0%	19,5%
Humanities and Related	251	644	895	344	901	1 245	353	814	1 167	40,6%	26,4%
Health Sciences and Related	1 884	9 583	11 467	1 946	9 532	11 478	2 096	9 133	11 229	11,3%	-4,7%
Engineering and Applied Sciences	9 693	1 924	11 617	12 023	2 506	14 529	12 965	2 627	15 592	33,8%	36,5%
Natural Sciences and Primary Industries	1 843	910	2 753	1 840	1 053	2 893	2 438	1 360	3 798	32,3%	49,5%
Social Sciences and Services	2 496	7 300	9 796	3 505	9 008	12 513	3 963	10 415	14 378	58,8%	42,7%
Business and Commerce	5 209	10 280	15 489	5 657	12 021	17 678	6 751	14 689	21 440	29,6%	42,9%
Other	45	17	62	383	409	792	71	65	136	57,8%	282,4%
TOTAL	23 409	33 846	57 255	28 065	38 996	67 061	31 434	42 979	74 413		
<u>Representation (%)</u>										<i>Percentage Point change 1990-1995</i>	
Arts and Sciences-General Studies	32,4%	67,6%	100,0%	38,0%	62,0%	100,0%	44,5%	55,5%	100,0%	12,1%	-12,1%
Arts	38,8%	61,2%	100,0%	40,0%	60,0%	100,0%	41,7%	58,3%	100,0%	2,9%	-2,9%
Humanities and Related	28,0%	72,0%	100,0%	27,6%	72,4%	100,0%	30,2%	69,8%	100,0%	2,2%	-2,2%
Health Sciences and Related	16,4%	83,6%	100,0%	17,0%	83,0%	100,0%	18,7%	81,3%	100,0%	2,2%	-2,2%
Engineering and Applied Sciences	83,4%	16,6%	100,0%	82,8%	17,2%	100,0%	83,2%	16,8%	100,0%	-0,3%	0,3%
Natural Sciences and Primary Industries	66,9%	33,1%	100,0%	63,6%	36,4%	100,0%	64,2%	35,8%	100,0%	-2,8%	2,8%
Social Sciences and Services	25,5%	74,5%	100,0%	28,0%	72,0%	100,0%	27,6%	72,4%	100,0%	2,1%	-2,1%
Business and Commerce	33,6%	66,4%	100,0%	32,0%	68,0%	100,0%	31,5%	68,5%	100,0%	-2,1%	2,1%
Other	72,6%	27,4%	100,0%	48,4%	51,6%	100,0%	52,2%	47,8%	100,0%	-20,4%	20,4%

Source: Derived from Statistics Canada's College Student Information System Database.

APPENDIX A

University Graduates By Degree

Source: Derived from Statistics Canada's University Student Information System Database.

**University Graduates (Bachelor Degree) By Field Of Study And Sex
Canada 1990, 1993, 1996**

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Degree in Arts and Science - Field Unknown	88	179	267	98	186	284	88	166	254
Degree in Arts - Field Unknown	-	-	-	-	-	-	-	-	-
Degree in Science - Field Unknown	-	-	-	-	-	-	-	-	-
Interdisciplinary	27	55	82	69	188	257	135	258	393
Degree in Arts- Field Not Known	468	1 062	1 530	459	1 159	1 618	506	1 229	1 735
Degree in Science - Field Not Known	417	482	899	449	527	976	533	859	1 392
Elementary/Secondary Teacher Training	3 600	10 045	13 645	4 115	10 940	15 055	4 319	12 184	16 503
Higher Education, Post-Sec. Teacher Training	22	10	32	26	16	42	-	-	-
Kindergarten, Pre-School Teacher Training	58	786	844	107	1 229	1 336	27	439	466
School Librarianship	-	3	3	-	8	8	-	-	-
Education Administration	7	7	14	5	3	8	1	1	2
Education Psychology	17	58	75	108	623	731	36	195	231
Guidance and Counselling	41	127	168	35	121	156	62	309	371
Curriculum Specialization	-	1	1	-	1	1	1	1	2
Measurements and Evaluation	17	69	86	-	-	-	-	-	-
Education Foundations	-	1	1	1	-	1	-	-	-
Other Non-Teaching Fields	70	239	309	61	204	265	48	110	158
Physical Education	1 204	1 095	2 299	1 207	1 070	2 277	1 023	951	1 974
Kinesiology, Human Kinetics and Kinanthropology	132	226	358	230	349	579	434	522	956
Recreation	218	371	589	185	435	620	284	474	758
Fine Arts	399	982	1 381	442	1 118	1 560	471	1 112	1 583
Music	375	548	923	387	568	955	427	635	1 062
Other Performing Arts	134	324	458	191	417	608	227	466	693
Industrial Design	44	18	62	49	23	72	35	28	63
Other Applied Arts	275	481	756	292	562	854	282	459	741
Classics	81	121	202	91	169	260	103	175	278
English Language And/Or Literature	1 201	3 134	4 335	1 448	3 664	5 112	1 413	3 340	4 753
French Language And/Or Literature	296	1 477	1 773	337	1 588	1 925	284	1 423	1 707
History	1 687	1 402	3 089	2 167	2 056	4 223	1 976	1 856	3 832

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Journalism	114	193	307	133	215	348	125	221	346
Comparative Literature	22	37	59	10	20	30	8	11	19
Mediaeval Languages	-	-	-	-	-	-	-	-	-
Asian Languages and Literatures	28	27	55	21	64	85	32	64	96
Slavic Languages and Literatures	12	32	44	16	37	53	15	48	63
Other Languages and Literatures	104	387	491	104	428	532	130	504	634
Library Science	5	13	18	1	10	11	4	9	13
Other Records Science	-	-	-	-	-	-	-	-	-
Linguistics	48	213	261	62	310	372	66	420	486
Mass Communication Studies	433	670	1 103	508	903	1 411	463	825	1 288
Philosophy	437	233	670	548	304	852	554	340	894
Religious Studies	221	284	505	249	302	551	221	303	524
Theological Studies	426	244	670	421	220	641	425	245	670
Translation and Interpretation	52	246	298	58	242	300	47	239	286
Anthropology	204	466	670	273	627	900	333	793	1 126
Archaeology	16	31	47	22	58	80	29	57	86
Canadian Studies	62	119	181	67	146	213	84	250	334
Mediaeval Studies	1	4	5	1	6	7	4	8	12
Asian Studies	17	37	54	33	33	66	26	47	73
Slavic Studies	11	12	23	7	7	14	6	5	11
Other Area Studies	33	79	112	77	102	179	81	173	254
Commerce, Manag., Bus. Admin., Admin. Studies, Sc.	7 322	6 211	13 533	8 298	7 349	15 647	7 506	6 882	14 388
Criminology	236	376	612	269	501	770	283	516	799
Public Administration	6	7	13	23	21	44	20	23	43
Health Administration	182	138	320	14	22	36	11	17	28
Hotel and Food Administration	61	152	213	76	134	210	74	132	206
Other Specialized Administration Studies	30	63	93	5	6	11	68	88	156
Demography	-	-	-	-	-	-	-	-	-
Economics	2 838	1 364	4 202	2 713	1 468	4 181	2 004	1 175	3 179
Geography	1 087	657	1 744	1 556	1 109	2 665	1 664	1 188	2 852
Law and Jurisprudence	1 776	1 586	3 362	1 734	1 818	3 552	1 668	1 843	3 511
Regional, Rural, Urban, City Planning	188	120	308	258	181	439	233	253	486
Resource Management, Environmental Studies	204	138	342	241	181	422	394	452	846
Political Science	2 049	1 588	3 637	2 324	1 867	4 191	1 912	1 685	3 597

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Psychology	1 726	5 396	7 122	1 742	6 009	7 751	2 008	6 870	8 878
Secretarial Studies	2	151	153	11	138	149	49	123	172
Social Work and Social Welfare	313	1 455	1 768	291	1 550	1 841	305	1 615	1 920
Sociology	833	2 685	3 518	1 031	3 230	4 261	1 199	3 912	5 111
Military Studies	18	1	19	17	1	18	16	5	21
Other Social Services	21	138	159	30	167	197	54	279	333
Animal Science	58	65	123	44	68	112	68	128	196
Plant Science	140	83	223	77	83	160	79	90	169
Soil Science	23	10	33	17	4	21	5	3	8
Other Agriculture	158	109	267	125	111	236	86	87	173
Biochemistry	439	395	834	439	405	844	564	524	1 088
Genetics	71	47	118	58	50	108	65	70	135
Microbiology	141	115	256	108	135	243	108	163	271
Other Biology	1 694	1 889	3 583	1 848	2 309	4 157	2 320	3 120	5 440
Biophysics	5	5	10	6	2	8	7	4	11
Botany	16	13	29	16	22	38	24	38	62
Fisheries and Wildlife Management	32	20	52	15	18	33	19	28	47
Food Science and Nutrition	34	425	459	67	521	588	45	472	517
Other Household Science and Related	32	564	596	42	514	556	38	472	510
Veterinary Medicine	106	181	287	123	165	288	92	194	286
Veterinary Sciences	-	-	-	-	-	-	-	-	-
Veterinary Medicine Specialties	-	-	-	-	-	-	-	-	-
Zoology	151	178	329	151	167	318	148	206	354
Other Agriculture and Biology Sciences	1	7	8	6	6	12	11	10	21
Architecture	335	149	484	321	164	485	357	193	550
Aeronautical and Aerospace Engineering	22	1	23	57	10	67	63	5	68
Chemical Engineering	459	166	625	476	212	688	506	287	793
Civil Engineering	831	118	949	984	217	1 201	1 270	339	1 609
Design, Systems Engineering	66	24	90	88	12	100	45	17	62
Electrical Engineering	1 746	156	1 902	1 698	162	1 860	1 640	270	1 910
Industrial Engineering	242	71	313	214	79	293	236	81	317
Mining Engineering	46	2	48	71	16	87	90	10	100
Mechanical Engineering	1 694	132	1 826	1 711	180	1 891	1 730	222	1 952
Metallurgical Engineering	100	17	117	114	21	135	109	28	137

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Other Engineering	660	95	755	689	126	815	941	289	1 230
Engineering Science	239	30	269	244	27	271	230	41	271
Engineering General	126	13	139	59	9	68	4	1	5
Forestry	203	40	243	211	51	262	239	77	316
Landscape Architecture	34	29	63	37	49	86	46	49	95
Dentistry (professional Program)	316	175	491	267	165	432	236	176	412
Dental Specialties	2	2	4	4	1	5	-	2	2
Medicine (professional Program)	1 007	778	1 785	1 002	740	1 742	839	844	1 683
Anatomy	43	69	112	37	52	89	61	82	143
Endocrinology	-	-	-	-	-	-	-	-	-
Histology	-	-	-	-	-	-	-	-	-
Neurophysiology	-	-	-	-	-	-	-	-	-
Pharmacology	9	13	22	27	26	53	36	34	70
Physiology	67	72	139	64	55	119	81	94	175
Other Basic Sciences	29	26	55	15	9	24	19	20	39
Medical Specialties	22	18	40	18	7	25	13	11	24
Immunology	11	9	20	15	14	29	13	13	26
Microbiology	52	65	117	37	52	89	47	45	92
Pathology	-	-	-	-	-	-	-	-	-
Other Paraclinical Sciences	-	-	-	-	-	-	-	-	-
Surgical Specialties	-	-	-	-	-	-	-	-	-
Nursing	116	2 492	2 608	144	2 831	2 975	198	3 138	3 336
Optometry	45	63	108	35	73	108	42	58	100
Pharmacy	293	524	817	300	472	772	319	520	839
Epidemiology and Public Health	21	39	60	25	32	57	80	114	194
Aural and Oral Rehabilitation	3	91	94	7	74	81	3	43	46
Occupational Therapy	34	390	424	37	446	483	56	549	605
Physical Therapy	126	439	565	129	450	579	188	465	653
Other Rehabilitation	-	-	-	-	-	-	-	-	-
Medical Technology	13	34	47	15	27	42	13	32	45
Other Health Professions and Occupations	54	37	91	39	35	74	49	100	149
Computer Science	1 759	435	2 194	1 910	467	2 377	2 321	663	2 984
Mathematics	1 245	819	2 064	1 356	930	2 286	1 161	851	2 012

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Chemistry	625	362	987	535	386	921	538	472	1 010
Geology and Related	277	97	374	251	95	346	232	145	377
Metallurgy, Materials Science	4	-	4	4	-	4	2	2	4
Climatology	-	-	-	-	-	-	-	-	-
Other Meteorology	7	-	7	5	2	7	1	3	4
Oceanography and Water Studies	8	2	10	6	2	8	7	3	10
Astronomy	12	4	16	16	9	25	18	9	27
Aerospace Sciences	-	-	-	14	2	16	16	3	19
Other Physics	540	94	634	495	95	590	433	125	558
All BA Fields of Study	48 660	61 154	109 814	52 728	70 474	123 202	53 043	74 946	127 989

**University Graduates (Master Degree) By Field of Study and Sex
Canada 1990, 1993, 1996**

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Degree in Arts and Science - Field Unknown	-	-	-	-	2	2	1	4	5
Degree in Arts - Field Unknown	-	-	-	-	-	-	-	-	-
Degree in Science - Field Unknown	-	-	-	-	-	-	-	-	-
Interdisciplinary	1	3	4	6	17	23	8	12	20
Degree in Arts- Field Not Known	14	9	23	32	35	67	39	51	90
Degree in Science - Field Not Known	4	2	6	1	2	3	5	7	12
Elementary/Secondary Teacher Training	362	810	1 172	310	807	1 117	277	820	1 097
Higher Education, Post-Sec. Teacher Training	67	184	251	91	216	307	58	213	271
Kindergarten, Pre-School Teacher Training	-	-	-	2	9	11	1	13	14
School Librarianship	-	-	-	-	3	3	-	1	1
Education Administration	266	220	486	222	276	498	173	261	434
Education Psychology	47	150	197	54	189	243	68	225	293
Guidance and Counselling	56	188	244	67	280	347	71	320	391
Curriculum Specialization	87	167	254	93	253	346	64	210	274
Measurements and Evaluation	23	19	42	26	30	56	12	29	41
Education Foundations	26	29	55	22	47	69	22	39	61
Other Non-Teaching Fields	139	319	458	122	264	386	85	211	296
Physical Education	69	80	149	89	75	164	98	99	197
Kinesiology, Human Kinetics and Kinanthropology	24	17	41	26	16	42	41	31	72
Recreation	10	13	23	7	20	27	4	9	13
Fine Arts	48	104	152	49	116	165	61	144	205
Music	60	78	138	85	97	182	96	103	199
Other Performing Arts	22	25	47	28	44	72	43	49	92
Industrial Design	1	1	2	3	2	5	2	1	3
Other Applied Arts	22	33	55	24	20	44	6	5	11
Classics	17	16	33	16	15	31	19	23	42
English Language And/Or Literature	135	217	352	192	329	521	170	305	475
French Language And/Or Literature	49	94	143	55	133	188	85	167	252
History	182	153	335	215	150	365	234	184	418

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Journalism	25	21	46	29	44	73	24	43	67
Comparative Literature	23	34	57	12	28	40	10	21	31
Mediaeval Languages	10	11	21	7	10	17	8	11	19
Asian Languages and Literatures	10	9	19	5	6	11	12	10	22
Slavic Languages and Literatures	8	13	21	6	15	21	7	13	20
Other Languages and Literatures	23	59	82	38	64	102	27	60	87
Library Science	104	318	422	123	349	472	102	337	439
Other Records Science	7	32	39	12	32	44	17	34	51
Linguistics	22	60	82	37	67	104	29	58	87
Mass Communication Studies	37	45	82	36	74	110	59	86	145
Philosophy	112	45	157	120	65	185	131	59	190
Religious Studies	93	65	158	131	90	221	118	61	179
Theological Studies	126	80	206	126	102	228	115	118	233
Translation and Interpretation	27	44	71	12	31	43	12	30	42
Anthropology	29	58	87	45	85	130	53	79	132
Archaeology	3	5	8	8	8	16	3	5	8
Canadian Studies	8	25	33	18	29	47	19	30	49
Mediaeval Studies	1	2	3	1	4	5	5	2	7
Asian Studies	2	1	3	1	5	6	1	7	8
Slavic Studies	3	4	7	8	7	15	7	12	19
Other Area Studies	5	7	12	22	13	35	14	17	31
Commerce, Manag., Bus. Admin., Admin. Studies, Sc.	2 137	1 059	3 196	2 602	1 303	3 905	2 592	1 423	4 015
Criminology	17	41	58	26	44	70	19	54	73
Public Administration	160	145	305	190	196	386	276	278	554
Health Administration	59	78	137	29	77	106	25	69	94
Hotel and Food Administration	-	-	-	-	-	-	2	3	5
Other Specialized Administration Studies	-	-	-	-	-	-	2	-	2
Demography	1	3	4	5	4	9	4	2	6
Economics	328	125	453	376	170	546	395	170	565
Geography	115	62	177	122	76	198	129	92	221
Law and Jurisprudence	113	56	169	108	92	200	108	136	244
Regional, Rural, Urban, City Planning	127	75	202	121	95	216	121	109	230
Resource Management, Environmental Studies	81	81	162	137	117	254	133	127	260
Political Science	236	127	363	286	210	496	294	229	523

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Psychology	163	407	570	171	381	552	129	446	575
Secretarial Studies	-	-	-	-	-	-	-	-	-
Social Work and Social Welfare	140	465	605	129	461	590	111	491	602
Sociology	89	134	223	88	167	255	103	179	282
Military Studies	2	-	2	9	1	10	14	-	14
Other Social Services	3	19	22	2	10	12	5	22	27
Animal Science	37	25	62	33	23	56	25	25	50
Plant Science	56	34	90	46	34	80	45	37	82
Soil Science	22	10	32	18	7	25	22	17	39
Other Agriculture	33	25	58	42	31	73	30	34	64
Biochemistry	21	13	34	23	20	43	31	26	57
Genetics	2	7	9	1	2	3	1	2	3
Microbiology	18	18	36	16	15	31	17	23	40
Other Biology	128	107	235	176	165	341	158	172	330
Biophysics	6	2	8	3	1	4	3	2	5
Botany	11	13	24	14	19	33	15	12	27
Fisheries and Wildlife Management	7	1	8	10	2	12	3	1	4
Food Science and Nutrition	11	48	59	12	59	71	17	90	107
Other Household Science and Related	7	41	48	14	35	49	4	44	48
Veterinary Medicine	2	1	3	-	-	-	-	-	-
Veterinary Sciences	32	24	56	32	34	66	22	22	44
Veterinary Medicine Specialties	2	2	4	3	-	3	1	3	4
Zoology	42	31	73	54	45	99	38	41	79
Other Agriculture and Biology Sciences	1	1	2	2	2	4	-	3	3
Architecture	49	20	69	58	24	82	54	47	101
Aeronautical and Aerospace Engineering	24	3	27	41	4	45	40	3	43
Chemical Engineering	104	37	141	125	36	161	135	69	204
Civil Engineering	224	31	255	273	65	338	319	89	408
Design, Systems Engineering	20	4	24	16	1	17	16	7	23
Electrical Engineering	373	35	408	447	48	495	400	75	475
Industrial Engineering	35	12	47	36	13	49	47	19	66
Mining Engineering	34	7	41	29	6	35	27	13	40
Mechanical Engineering	196	11	207	292	33	325	278	42	320
Metallurgical Engineering	33	6	39	29	8	37	46	10	56

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Other Engineering	141	27	168	203	43	246	214	53	267
Engineering Science	31	3	34	32	1	33	45	4	49
Engineering General	19	3	22	122	24	146	32	14	46
Forestry	54	13	67	47	28	75	62	27	89
Landscape Architecture	15	6	21	15	12	27	20	10	30
Dentistry (professional Program)	-	-	-	1	-	1	-	-	-
Dental Specialties	18	4	22	11	11	22	9	7	16
Medicine (professional Program)	-	-	-	1	1	2	-	-	-
Anatomy	15	14	29	18	12	30	6	13	19
Biochemistry	12	20	32	17	14	31	23	19	42
Biophysics	9	4	13	9	7	16	14	7	21
Endocrinology	-	-	-	-	-	-	-	-	-
Genetics	1	5	6	14	17	31	10	22	32
Histology	-	-	-	-	-	-	-	-	-
Neurophysiology	7	3	10	2	3	5	4	5	9
Pharmacology	23	21	44	29	35	64	28	37	65
Physiology	25	19	44	43	31	74	41	38	79
Other Basic Sciences	64	55	119	43	62	105	62	71	133
Medical Specialties	32	36	68	37	46	83	52	58	110
Immunology	1	1	2	1	3	4	3	6	9
Microbiology	29	24	53	32	38	70	24	33	57
Pathology	10	10	20	5	11	16	8	15	23
Other Paraclinical Sciences	8	5	13	3	5	8	1	6	7
Surgical Specialties	15	5	20	10	5	15	10	3	13
Nursing	3	183	186	14	210	224	4	204	208
Optometry	1	2	3	-	3	3	3	-	3
Pharmacy	7	18	25	45	106	151	34	64	98
Epidemiology and Public Health	44	96	140	80	147	227	77	192	269
Aural and Oral Rehabilitation	10	117	127	15	135	150	15	187	202
Occupational Therapy	12	15	27	7	10	17	1	6	7
Physical Therapy	-	3	3	2	10	12	1	5	6
Other Rehabilitation	-	-	-	2	10	12	2	17	19
Medical Technology	1	-	1	3	-	3	11	10	21
Other Health Professions and Occupations	2	3	5	2	21	23	12	25	37

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Computer Science	284	65	349	305	81	386	325	95	420
Mathematics	187	66	253	153	90	243	196	109	305
Chemistry	120	67	187	123	76	199	120	104	224
Geology and Related	150	35	185	143	49	192	131	50	181
Metallurgy, Materials Science	-	1	1	1	-	1	-	-	-
Climatology	-	-	-	-	-	-	-	-	-
Other Meteorology	15	1	16	8	2	10	6	-	6
Oceanography and Water Studies	21	8	29	19	16	35	25	30	55
Astronomy	9	1	10	7	5	12	10	2	12
Aerospace Sciences	8	-	8	4	-	4	12	1	13
Other Physics	202	29	231	191	28	219	153	44	197
All MA Fields of Study	9 315	8 303	17 618	10 699	10 119	20 818	10 578	10 980	21 558

**University Graduates (Doctorate Degree) By Field of Study and Sex
Canada 1990, 1993, 1996**

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Degree in Arts and Science - Field Unknown	5	4	9	0	0	0	0	0	0
Degree in Arts - Field Unknown	0	0	0	0	0	0	0	0	0
Degree in Science - Field Unknown	0	0	0	0	0	0	0	0	0
Interdisciplinary	2	1	3	6	8	14	12	6	18
Degree in Arts- Field Not Known	6	3	9	12	10	22	21	17	38
Degree in Science - Field Not Known	1	2	3	1	0	1	6	2	8
Elementary/Secondary Teacher Training	26	35	61	35	36	71	20	50	70
Higher Education, Post-Sec. Teacher Training	4	7	11	7	10	17	5	6	11
Kindergarten, Pre-School Teacher Training	0	0	0	0	1	1	0	0	0
School Librarianship	0	0	0	0	0	0	0	0	0
Education Administration	17	12	29	27	18	45	26	16	42
Education Psychology	27	46	73	32	55	87	20	43	63
Guidance and Counselling	1	0	1	3	7	10	6	14	20
Curriculum Specialization	6	13	19	7	20	27	16	30	46
Measurements and Evaluation	2	5	7	9	6	15	5	5	10
Education Foundations	8	7	15	5	12	17	6	8	14
Other Non-Teaching Fields	22	19	41	15	24	39	24	32	56
Physical Education	8	7	15	15	4	19	7	6	13
Kinesiology, Human Kinetics and Kinanthropology	3	0	3	8	5	13	10	8	18
Recreation	0	0	0	0	0	0	0	0	0
Fine Arts	2	1	3	1	3	4	1	3	4
Music	6	4	10	7	9	16	16	9	25
Other Performing Arts	0	2	2	1	2	3	2	2	4
Industrial Design	0	0	0	0	0	0	0	0	0
Other Applied Arts	0	0	0	0	0	0	0	0	0
Classics	1	0	1	4	3	7	5	6	11
English Language And/Or Literature	31	36	67	30	52	82	41	49	90
French Language And/Or Literature	13	19	32	17	14	31	24	29	53
History	34	19	53	38	14	52	57	31	88

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Journalism	0	0	0	0	0	0	0	0	0
Comparative Literature	3	8	11	4	11	15	9	6	15
Mediaeval Languages	4	5	9	3	7	10	4	6	10
Asian Languages and Literatures	2	2	4	4	3	7	6	6	12
Slavic Languages and Literatures	2	3	5	3	1	4	0	1	1
Other Languages and Literatures	5	5	10	6	6	12	5	8	13
Library Science	4	1	5	2	2	4	4	4	8
Other Records Science	0	0	0	0	0	0	0	0	0
Linguistics	10	14	24	11	17	28	23	20	43
Mass Communication Studies	3	2	5	7	5	12	3	8	11
Philosophy	35	8	43	42	20	62	37	18	55
Religious Studies	24	9	33	20	12	32	27	9	36
Theological Studies	17	8	25	15	7	22	19	11	30
Translation and Interpretation	0	0	0	0	0	0	0	0	0
Anthropology	9	14	23	10	13	23	13	18	31
Archaeology	4	0	4	1	1	2	2	0	2
Canadian Studies	0	0	0	0	0	0	1	0	1
Mediaeval Studies	1	3	4	0	0	0	1	1	2
Asian Studies	1	2	3	0	0	0	0	0	0
Slavic Studies	0	0	0	0	0	0	1	0	1
Other Area Studies	0	0	0	2	0	2	4	0	4
Commerce, Manag., Bus. Admin., Admin. Studies, Sc.	32	17	49	48	14	62	54	21	75
Criminology	2	0	2	0	1	1	7	2	9
Public Administration	0	0	0	0	0	0	0	1	1
Health Administration	0	0	0	0	0	0	0	0	0
Hotel and Food Administration	0	0	0	0	0	0	0	0	0
Other Specialized Administration Studies	0	0	0	0	0	0	0	0	0
Demography	2	1	3	2	1	3	5	2	7
Economics	45	10	55	51	11	62	47	12	59
Geography	26	9	35	38	13	51	49	21	70
Law and Jurisprudence	4	0	4	13	2	15	12	4	16
Regional, Rural, Urban, City Planning	3	2	5	2	4	6	5	3	8
Resource Management, Environmental Studies	2	0	2	7	0	7	14	4	18
Political Science	42	11	53	43	13	56	61	21	82

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Psychology	89	121	210	79	145	224	74	133	207
Secretarial Studies	0	0	0	0	0	0	0	0	0
Social Work and Social Welfare	4	3	7	2	6	8	5	4	9
Sociology	23	20	43	38	31	69	40	48	88
Military Studies	0	0	0	0	0	0	0	0	0
Other Social Services	0	0	0	0	0	0	2	0	2
Animal Science	14	1	15	19	8	27	28	2	30
Plant Science	23	5	28	28	10	38	28	14	42
Soil Science	7	2	9	8	4	12	10	2	12
Other Agriculture	16	8	24	13	6	19	15	9	24
Biochemistry	29	18	47	36	16	52	34	16	50
Genetics	2	2	4	3	1	4	0	1	1
Microbiology	12	6	18	16	10	26	20	15	35
Other Biology	71	29	100	78	27	105	97	48	145
Biophysics	6	1	7	2	0	2	5	4	9
Botany	10	3	13	11	6	17	7	10	17
Fisheries and Wildlife Management	1	0	1	1	0	1	0	0	0
Food Science and Nutrition	4	10	14	10	9	19	8	9	17
Other Household Science and Related	1	1	2	0	4	4	1	3	4
Veterinary Medicine	0	0	0	0	0	0	0	0	0
Veterinary Sciences	15	3	18	11	6	17	17	20	37
Veterinary Medicine Specialties	2	0	2	1	1	2	0	1	1
Zoology	27	9	36	38	13	51	26	9	35
Other Agriculture and Biology Sciences	0	0	0	0	1	1	0	1	1
Architecture	5	0	5	3	1	4	1	2	3
Aeronautical and Aerospace Engineering	5	0	5	9	0	9	3	0	3
Chemical Engineering	57	7	64	62	3	65	44	10	54
Civil Engineering	66	7	73	85	6	91	92	12	104
Design, Systems Engineering	3	1	4	4	1	5	8	1	9
Electrical Engineering	105	2	107	137	12	149	174	18	192
Industrial Engineering	9	0	9	11	2	13	7	1	8
Mining Engineering	12	1	13	11	2	13	26	2	28
Mechanical Engineering	51	3	54	87	4	91	110	12	122
Metallurgical Engineering	22	3	25	22	0	22	17	2	19

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Other Engineering	15	1	16	27	6	33	52	5	57
Engineering Science	8	0	8	10	0	10	7	0	7
Engineering General	8	0	8	15	4	19	10	1	11
Forestry	17	5	22	23	5	28	26	7	33
Landscape Architecture	0	0	0	0	0	0	0	0	0
Dentistry (professional Program)	0	0	0	0	0	0	0	0	0
Dental Specialties	1	2	3	6	2	8	4	3	7
Medicine (professional Program)	0	0	0	0	0	0	2	1	3
Anatomy	3	3	6	9	6	15	9	8	17
Biochemistry	14	9	23	20	8	28	12	16	28
Biophysics	13	3	16	11	2	13	7	4	11
Endocrinology	1	0	1	0	0	0	0	0	0
Genetics	6	4	10	18	10	28	10	6	16
Histology	0	0	0	0	0	0	0	0	0
Neurophysiology	2	1	3	4	3	7	2	1	3
Pharmacology	17	12	29	18	13	31	22	14	36
Physiology	24	2	26	26	21	47	27	23	50
Other Basic Sciences	18	6	24	29	23	52	21	26	47
Medical Specialties	27	20	47	33	26	59	47	25	72
Immunology	4	5	9	8	4	12	4	2	6
Microbiology	20	8	28	19	9	28	34	19	53
Pathology	3	5	8	6	6	12	7	4	11
Other Paraclinical Sciences	1	2	3	1	2	3	0	3	3
Surgical Specialties	2	0	2	3	0	3	2	1	3
Nursing	0	1	1	0	2	2	0	1	1
Optometry	1	0	1	1	1	2	1	1	2
Pharmacy	16	8	24	16	14	30	23	12	35
Epidemiology and Public Health	7	19	26	6	11	17	21	24	45
Aural and Oral Rehabilitation	0	2	2	0	2	2	0	1	1
Occupational Therapy	0	0	0	0	0	0	0	0	0
Physical Therapy	0	0	0	0	0	0	0	0	0
Other Rehabilitation	0	0	0	0	0	0	0	1	1
Medical Technology	1	0	1	1	0	1	1	2	3
Other Health Professions and Occupations	0	0	0	0	0	0	2	1	3

FIELD OF STUDY	1990			1993			1996		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Computer Science	36	9	45	53	11	64	91	10	101
Mathematics	57	15	72	110	9	119	79	20	99
Chemistry	134	50	184	156	44	200	196	72	268
Geology and Related	46	11	57	62	14	76	74	8	82
Metallurgy, Materials Science	3	1	4	0	0	0	1	0	1
Climatology	0	0	0	0	0	0	0	0	0
Other Meteorology	0	0	0	3	0	3	2	0	2
Oceanography and Water Studies	7	2	9	19	4	23	18	6	24
Astronomy	4	0	4	6	1	7	4	1	5
Aerospace Sciences	2	1	3	3	0	3	2	0	2
Other Physics	98	9	107	104	16	120	131	18	149
All PHD Fields of Study	1 814	858	2 672	2 265	1 091	3 356	2 593	1 335	3 928

APPENDIX B

Community College Graduates

Source: Derived from Statistics Canada's College Student Information System Database.

**Community College Graduates By Program of Study and Sex
Canada 1990, 1993, 1995**

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Arts and Sciences, General Program	95	198	293	132	215	347	242	302	544
Arts - Unknown	125	153	278	115	160	275	114	190	304
Fine Arts	-	-	-	-	-	-	6	-	6
Dance	2	12	14	-	15	15	2	6	8
Music	97	51	148	124	61	185	145	58	203
Drama	46	72	118	74	86	160	105	115	220
Performing Arts - Other	6	5	11	5	10	15	10	17	27
Sculpture and Painting	27	53	80	33	59	92	52	98	150
Handicrafts	10	41	51	16	53	69	16	30	46
Other Fine Arts	95	139	234	44	111	155	36	82	118
Advertising	92	178	270	152	262	414	163	285	448
Commercial Arts	288	396	684	353	448	801	340	456	796
Other Commercial and Promotional Arts	14	45	59	25	83	108	39	59	98
Graphic and Audio-Visual Arts	-	-	-	-	-	-	39	22	61
Photography	111	117	228	122	127	249	140	157	297
Recorded Music Production	19	1	20	38	2	40	34	5	39
Printing and Publishing	37	26	63	51	85	136	51	77	128
Other Graphic and Audio-Visual Arts	214	331	545	250	280	530	314	355	669
Jewellery Design	25	21	46	22	39	61	35	27	62
Fashion Arts	24	438	462	36	362	398	28	363	391
Interior Decorating	60	369	429	56	496	552	70	409	479
Other Creative and Design Arts	4	20	24	7	15	22	14	24	38
Barbering/Hairdressing	-	-	-	-	-	-	8	2	10
Other Personal Arts	-	20	20	-	36	36	3	164	167
Cinematography/Film Production/Animation	68	20	88	111	32	143	135	30	165
Radio and TV Broadcasting	312	235	547	426	298	724	423	317	740
Other Mass Communications Studies	180	210	390	149	185	334	199	174	373
Furniture/Upholstery	-	-	-	-	-	-	-	-	-
Jewellery Repair	5	-	5	-	-	-	-	-	-

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Musical Instruments	11	4	15	10	3	13	11	4	15
Clocks and Timepieces	-	-	-	-	-	-	-	-	-
Other Applied Arts NEC	21	33	54	16	43	59	23	48	71
Journalism	179	232	411	215	274	489	227	298	525
Library/Documentation Sciences	49	308	357	61	315	376	70	313	383
Archival Sciences	9	13	22	3	11	14	3	15	18
Religion/Theology	9	81	90	46	273	319	35	158	193
English - Literature, Grammar, Composition	4	10	14	15	8	23	15	9	24
English As a Second Language	-	-	-	-	-	-	2	15	17
History	-	-	-	3	19	22	-	-	-
Other Humanities NEC	1	-	1	1	1	2	1	6	7
Other Nursing	-	-	-	-	-	-	5	24	29
Diploma Nursing	729	6 430	7 159	615	6 253	6 868	564	5 216	5 780
Nursing Aide/Orderly	-	-	-	-	-	-	59	225	284
Nursing Refresher	5	46	51	-	-	-	-	-	-
Psychiatric or Mental Health Nursing	43	210	253	46	180	226	36	143	179
Public Health Nursing	1	33	34	-	11	11	-	16	16
Dental Nursing	-	-	-	-	2	2	-	-	-
Other Specialized Nursing	9	110	119	4	120	124	1	67	68
Emergency Para-Medical Technologies	218	61	279	430	133	563	536	190	726
Chiropractic Technologies	108	52	160	106	61	167	105	71	176
Medical Laboratory Technologies	185	667	852	133	586	719	138	550	688
X-Ray/Radiology/Radiotherapy/Nuclear Medicine Tech	158	444	602	148	573	721	145	516	661
Combined Lab and X-Ray Technologies	7	32	39	7	38	45	6	30	36
Physiotherapy	17	129	146	11	105	116	23	146	169
Dental Hygiene/Assistant Technologies	19	555	574	25	700	725	37	962	999
Pharmacy Technologies	5	50	55	5	35	40	4	49	53
Other Diagnostc and Treatment Med. Tech.	106	226	332	137	244	381	93	232	325
Dental Appliances	71	27	98	49	45	94	88	47	135
Optical Prosthetics/Lenses	13	20	33	10	36	46	17	32	49
Orthopaedic Prosthetics	33	14	47	39	23	62	41	19	60
Auditory Prosthetics	2	5	7	6	6	12	4	6	10
Other Medical Equipment Technology	31	4	35	26	1	27	6	-	6
Dietetics/Dietary Technologies	10	189	199	21	213	234	26	176	202

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Mental Health Technologies	-	2	2	-	-	-	10	110	120
Speech Therapy	3	33	36	-	27	27	-	42	42
Health-Care Support Technologies	1	21	22	9	19	28	4	16	20
Biological Sciences/Technologies	32	45	77	29	39	68	53	50	103
Public/Environmental Health	45	28	73	68	28	96	47	30	77
Health Education	-	-	-	-	-	-	-	-	-
Other Health-Care Technologies	33	150	183	22	54	76	48	168	216
Chemical Engineering Technologies	179	137	316	228	187	415	263	216	479
Biochemical Technologies	36	72	108	9	22	31	9	25	34
Metallurgical Chemical Technologies	8	1	9	8	1	9	12	3	15
Textiles Chemical Tech.	2	8	10	5	21	26	2	12	14
Plastics and Fiberglass Chemical Tech.	86	10	96	30	2	32	33	6	39
Chemical Processing	-	-	-	-	-	-	5	6	11
Other Industrial Chemical Technologies	15	18	33	12	1	13	6	-	6
Photographic Chemical Technology	-	-	-	-	-	-	4	8	12
Chemistry	26	37	63	41	43	84	45	47	92
Other Chemical Tech.	-	-	-	-	-	-	-	-	-
Electrical/Electronic Engineering Technology	-	-	-	-	-	-	11	2	13
Electrical Engineering Technology	657	24	681	941	45	986	730	29	759
Electronics Engineering Technology	1 622	99	1 721	1 998	105	2 103	2 295	145	2 440
Other Electrical/Electronic Eng. Tech.	27	2	29	-	-	-	24	1	25
Avionics Technology	87	8	95	108	5	113	123	8	131
Marine Electronics Technology	-	-	-	-	-	-	-	-	-
Electro-Mechanical Tech.	-	-	-	16	2	18	17	1	18
Electric Motors	100	5	105	72	1	73	77	-	77
Radio and TV (Broadcasting Electronics)	84	7	91	97	7	104	108	8	116
Other Telecommunications Electronics	163	24	187	127	20	147	99	11	110
Mathematic and Computer Science	-	-	-	-	-	-	11	6	17
Computer Programming	675	314	989	940	477	1 417	958	417	1 375
Computer Science - Systems Design and Analysis	865	345	1 210	1 009	353	1 362	878	360	1 238
Computer Technology	290	32	322	244	42	286	335	52	387
Data Processing	252	224	476	308	383	691	390	368	758
Aviation and Flight Technologies	162	14	176	176	19	195	151	16	167
Air Transport Ground Support	8	1	9	3	1	4	5	2	7

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Commercial Vehicle Transportation	-	-	-	-	-	-	-	-	-
Nautical Science/Navigation Technologies	41	6	47	23	3	26	9	2	11
Other Transportation Technologies NEC	10	4	14	1	-	1	-	-	-
Engineering Tech.	-	-	-	-	-	-	11	-	11
Engineering - General	-	-	-	-	-	-	-	-	-
Civil Technologies	576	73	649	820	120	940	830	133	963
Road Construction	-	-	-	-	-	-	7	-	7
Piping Technology	11	6	17	14	-	14	-	-	-
Surveying	152	19	171	145	15	160	122	22	144
Drafting	-	-	-	3	1	4	30	13	43
Engineering Design or Drafting	171	34	205	277	61	338	313	60	373
Cartography	46	27	73	78	27	105	72	39	111
Mechanical Drafting	14	13	27	-	-	-	4	-	4
Instrumentation	387	12	399	460	25	485	408	19	427
Repair and Services	-	-	-	-	-	-	7	1	8
Physics	29	2	31	54	3	57	47	3	50
Other Engineering Technologies NEC	45	10	55	39	15	54	52	10	62
Agricultural Equipment Mechanics	1	-	1	5	-	5	-	-	-
Aircraft Mechanics	216	13	229	338	9	347	326	18	344
Auto Technician	-	-	-	-	-	-	-	-	-
Auto Mechanics	77	-	77	169	4	173	277	7	284
Auto Body Repair	-	-	-	-	-	-	44	-	44
Marine Mechanics	76	1	77	64	3	67	64	4	68
Heavy Equipment Mechanics	40	2	42	93	-	93	191	-	191
Small Engine Mechanics	7	-	7	-	-	-	10	2	12
Other Mechanical Engineering Technologies	784	33	817	993	46	1 039	1 102	60	1 162
Hydraulics	64	2	66	113	8	121	37	1	38
Engineering - Arch. and Construction	-	-	-	-	-	-	13	2	15
Architectural Design/Drafting Technology	505	185	690	707	295	1 002	709	310	1 019
Construction or Building Technician	-	-	-	-	-	-	25	-	25
Masonry-Brick,Stone,Concrete	-	-	-	11	-	11	14	-	14
Heat, Insulation	19	-	19	6	-	6	9	-	9
Plumbing	-	-	-	-	-	-	48	1	49
Construction Electrician	-	-	-	-	-	-	46	1	47

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Woodworking and Carpentry	65	8	73	97	11	108	215	17	232
Other Construction or Building Technologies	356	25	381	489	52	541	531	67	598
Historical Structures Renovation	-	-	-	-	-	-	-	-	-
Naval Architecture/Construction Technologies	45	6	51	29	1	30	30	4	34
Welding Technologies	55	3	58	68	6	74	111	16	127
Aeronautical Engineering Technologies	46	1	47	27	3	30	42	1	43
Industrial Engineering	-	-	-	-	-	-	-	-	-
Industrial Design/Operations Technologies	43	15	58	61	15	76	78	9	87
Manufacturing Technology	-	-	-	10	-	10	7	1	8
Automobile/Mechanical Related	-	-	-	-	-	-	-	-	-
Electrical/Electronic Equipment and Related	-	-	-	-	-	-	-	-	-
Aircraft Engineering Technologies	50	5	55	60	6	66	78	13	91
Clothing/Other Fabric Products	-	-	-	-	-	-	-	-	-
Other Manufacturing Engineering Tech.	67	4	71	45	-	45	58	3	61
Quality Control	25	5	30	23	8	31	30	3	33
Materials Science or Management	25	13	38	-	-	-	-	-	-
Machinist	118	2	120	142	3	145	229	5	234
Other Industrial Engineering Technologies	89	8	97	140	21	161	116	26	142
Cad/Cam	94	5	99	47	8	55	22	5	27
Agriculture	15	6	21	27	10	37	32	9	41
Agricultural Technology/Science/Engineering	139	39	178	120	42	162	164	57	221
Agricultural Business	70	30	100	58	25	83	43	27	70
Biology	31	42	73	11	9	20	19	18	37
Plant Sciences	-	-	-	-	-	-	-	-	-
Crops and Horticulture	58	32	90	41	48	89	88	69	157
Landscaping	89	51	140	104	60	164	171	120	291
Soils, Pesticides, Fertilizer	19	3	22	27	4	31	26	6	32
Irrigation/Water Management	7	-	7	3	4	7	3	3	6
Other Plant Sciences	1	2	3	2	4	6	1	3	4
Animal Sciences	-	-	-	-	-	-	-	-	-
Zoology	-	-	-	-	-	-	-	-	-
Veterinary Technologies/Animal Health	27	312	339	32	400	432	37	467	504
Cattle Technology (Beef and Dairy)	37	6	43	12	3	15	26	2	28
Equine Studies/Horse Husbandry	14	91	105	6	74	80	5	79	84

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Other Animal Sciences	56	32	88	58	29	87	82	23	105
Other Agricultural Technologies NEC	8	-	8	-	-	-	-	-	-
Forestry Technologies	362	62	424	397	42	439	469	60	529
Mining Technology	-	-	-	-	-	-	-	-	-
Geology and Prospecting	84	16	100	85	26	111	65	23	88
Drilling and Extractive Technologies	33	2	35	107	6	113	90	6	96
Fish Farming	17	5	22	1	-	1	6	5	11
Fishing	1	-	1	3	1	4	-	-	-
Petroleum Resources Technology	85	8	93	101	16	117	111	14	125
Pulp and Paper Products	19	-	19	20	-	20	13	2	15
Wood Products Processing	29	2	31	21	5	26	17	-	17
Processing of Other Metals	25	3	28	27	5	32	45	4	49
Petroleum Refining Technologies	44	1	45	-	-	-	-	-	-
Food Processing Tech	-	4	4	-	-	-	-	-	-
Marine Products Processing	22	6	28	9	1	10	5	1	6
Meat Processing	-	-	-	-	-	-	29	2	31
Dairy Products Processing	12	6	18	6	4	10	3	7	10
Other Food Processing	11	25	36	17	16	33	15	32	47
Other Resource Processing	-	-	-	-	-	-	-	-	-
Environmental Control/Protection Technologies	190	47	237	164	61	225	323	144	467
Land Resources Technologies	12	6	18	12	4	16	9	2	11
Wildlife and Forest Conservation Technologies	145	39	184	156	59	215	185	50	235
Water Science Technologies	88	15	103	88	28	116	154	33	187
Air Purification Technologies	-	-	-	-	-	-	-	-	-
Other Environmental and Conservation Tech. NEC	93	17	110	125	67	192	202	92	294
Protection and Correction Services	-	-	-	-	-	-	44	45	89
Correctional Technologies	124	241	365	221	279	500	240	376	616
Para-Legal Technologies/Legal Studies/Legal Assis.	11	167	178	34	238	272	65	299	364
Police Technologies/Criminology	744	242	986	810	250	1 060	852	339	1 191
Fire Protection Services	31	2	33	47	-	47	49	-	49
Security Services	642	316	958	1 143	501	1 644	1 210	541	1 751
Safety Services	8	2	10	10	-	10	22	8	30
Social Services	-	-	-	-	-	-	-	-	-
Child Care Services	21	549	570	16	549	565	41	702	743

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Youth Services	10	8	18	11	34	45	18	83	101
Gerontology	-	42	42	4	63	67	6	63	69
Care of the Disabled	32	271	303	29	297	326	38	346	384
Social Services/Welfare Technologies	182	1 326	1 508	229	1 515	1 744	334	1 734	2 068
Domestic Science and Related	-	-	-	-	-	-	1	1	2
Community Planning/Urban Design	42	21	63	40	38	78	55	36	91
Other Social Services	9	54	63	10	41	51	35	129	164
Recreation Leadership/Leisure Services	234	344	578	267	451	718	229	489	718
Physical Education Instruction	41	63	104	55	65	120	66	93	159
Travel and Tourism	-	-	-	-	-	-	7	29	36
Guiding	-	-	-	-	-	-	9	5	14
Travel Counsellor/Agent	75	748	823	100	856	956	104	848	952
Parks/Forest/Wildlife Recreation	74	25	99	113	43	156	133	41	174
Other Recreation and Sport Technologies	-	-	-	-	-	-	-	-	-
Counsellor - Addiction	10	32	42	-	-	-	11	18	29
Counsellor - Handicapped	47	402	449	68	436	504	53	387	440
Counsellor - Marriage/Family	-	20	20	1	18	19	1	20	21
Counsellor - Education/Career/Vocational	4	19	23	1	8	9	1	9	10
Other Counselling Services	-	-	-	-	-	-	3	28	31
Education - Early Childhood	14	1 559	1 573	35	2 115	2 150	45	2 510	2 555
Education - Handicapped	-	19	19	-	26	26	-	26	26
Teachers Aide/Educational Support	1	74	75	14	184	198	11	207	218
Industrial Arts Education	-	-	-	25	2	27	25	-	25
Teacher Training	92	535	627	143	650	793	145	655	800
Orientation Courses	-	-	-	-	-	-	6	3	9
Communication Skills Development	-	-	-	-	1	1	-	1	1
Occupational Skills Development	-	-	-	1	11	12	-	-	-
Geography	-	-	-	-	-	-	16	8	24
Psychology	7	43	50	33	108	141	34	96	130
Other Social Sciences	41	176	217	45	229	274	54	240	294
Secretarial Science	-	-	-	-	3	3	1	23	24
Secretary - General	20	2 315	2 335	35	2 583	2 618	74	3 093	3 167
Secretary-Legal	-	-	-	-	-	-	11	30	41
Legal Secretary/ Law Clerk	40	718	758	87	943	1 030	106	1 091	1 197

PROGRAM OF STUDY	1990			1993			1995		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Court Reporting	5	21	26	13	24	37	15	18	33
Health Records Technology	7	216	223	16	209	225	15	238	253
Medical Secretary	1	293	294	3	378	381	3	426	429
Word Processing	2	72	74	2	110	112	6	155	161
Other Bus. Machine Operations	-	-	-	-	-	-	32	42	74
Secretary Accounting, Bookkeeping	-	-	-	-	-	-	20	34	54
Switchboard Operatory/Receptionist	-	-	-	-	-	-	-	7	7
Other Secretarial/Clerical	-	-	-	5	25	30	10	11	21
Management and Administration - Business and Com.	1 701	1 911	3 612	1 804	2 340	4 144	2 312	3 587	5 899
Financial Management	-	-	-	14	15	29	3	7	10
Accounting	529	795	1 324	697	1 091	1 788	861	1 391	2 252
Investment Management	6	9	15	7	7	14	17	13	30
Assessment/Appraisal	58	16	74	49	18	67	47	25	72
Property Management	-	-	-	-	-	-	-	-	-
Banking	-	-	-	11	33	44	1	15	16
Other Financial Management	729	1 220	1 949	769	1 453	2 222	665	1 139	1 804
Industrial Management	125	74	199	92	91	183	95	70	165
Health Care Facilities Management	4	38	42	9	40	49	11	75	86
Hotel/Restaurant/Resort Management	238	380	618	304	486	790	375	606	981
Other Institutional Management	46	99	145	60	68	128	125	115	240
Public Administration	78	45	123	25	38	63	19	46	65
Personnel Administration	54	144	198	94	312	406	176	491	667
Manufacturing Management/Administration	115	50	165	128	78	206	124	85	209
Transportation Management	45	26	71	48	21	69	25	25	50
Other Management and Administration NEC	3	15	18	-	-	-	25	25	50
Marketing	844	892	1 736	840	903	1 743	872	906	1 778
Insurance/Securities Sales	58	68	126	70	68	138	79	67	146
Real Estate	29	6	35	41	11	52	46	10	56
Retail Sales	120	419	539	110	322	432	106	351	457
Other Merchandising and Sales	97	13	110	87	15	102	101	19	120
Service Industry Tech.	-	-	-	-	-	-	26	12	38
Food Services	-	-	-	-	-	-	4	6	10
Baking	-	-	-	-	-	-	6	3	9

PROGRAM OF STUDY	<i>1990</i>			<i>1993</i>			<i>1995</i>		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Cooking	8	4	12	61	34	95	126	81	207
Food Preparation - Other	3	9	12	2	41	43	2	36	38
Food Serving	121	231	352	62	121	183	78	145	223
Home Economics	-	-	-	-	-	-	-	-	-
Hospitality and Tourism Services	59	148	207	33	82	115	39	105	144
Building Custodian	-	-	-	-	-	-	-	-	-
Other Service Industries	64	33	97	79	58	137	92	65	157
Miscellaneous	31	-	31	47	2	49	54	2	56
Unknown	14	17	31	336	407	743	17	63	80
Total - Program of Study	23 409	33 846	57 255	28 065	38 996	67 061	31 434	42 979	74 413