

LEARNINGMETRIX

BCAIU System Data Update

2014-2015

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Introduction to the BCAIU System

The BCAIU system is composed of seven public post-secondary institutions located in B.C. The institutions are named below, along with the acronyms used in this document when referring to them.

1. British Columbia Institute of Technology – BCIT
2. Emily Carr University of Art and Design – ECU
3. Kwantlen Polytechnic University – KWN
4. University of the Fraser Valley – UFV
5. Vancouver Island University – VIU
6. Justice Institute of BC – JIBC
7. Nicola Valley Institute of Technology – NVIT

Enrolment in Fall 2014

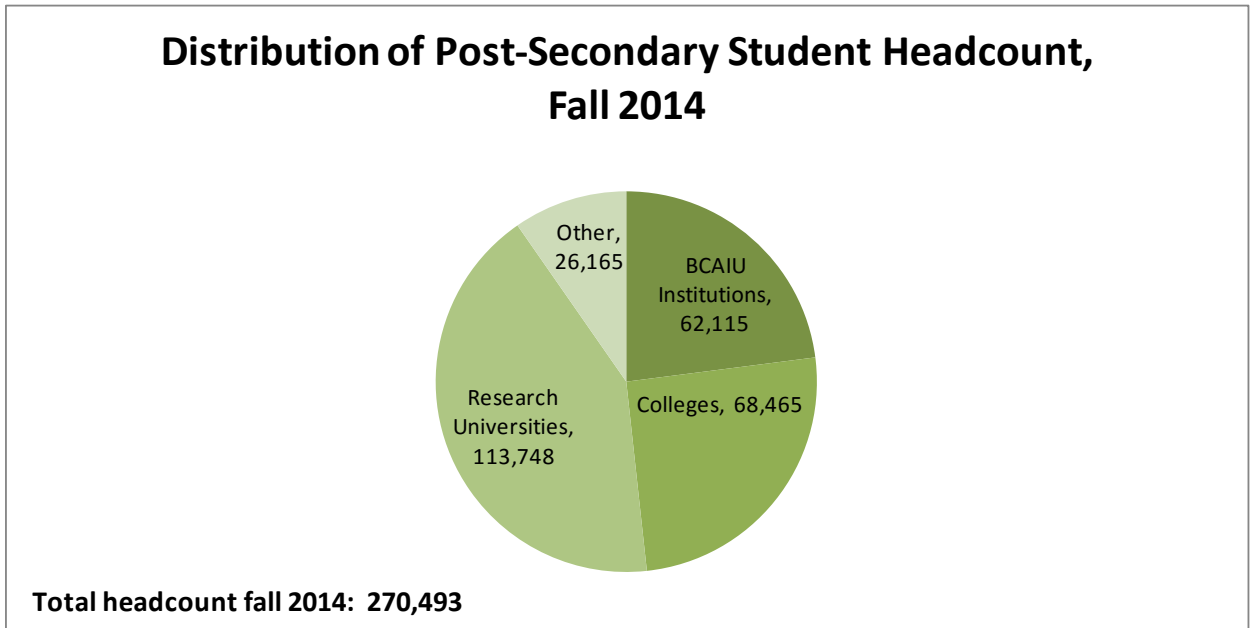
This section provides a “snapshot” accounting of enrolment in the B.C. public post-secondary system. The snapshot is based on a count of students (headcount) in each institution as of November 1st in a given year.

What proportion of all B.C. post-secondary students were enrolled in BCAIU institutions in fall 2014?

More than 270 thousand students were enrolled in the B.C. public post-secondary system in the fall of 2014. Almost one-quarter (23%) of these students were enrolled in one of the seven BCAIU institutions, while colleges composed 25 percent of all enrolments. The province’s research universities accounted for 42 percent of system enrolment and the remaining 10 percent were registered in Capilano University, Royal Roads University, or Thompson Rivers University (see Figure 1 and Table 1).

The average annual rate of growth for the B.C. public post-secondary system during the five year period from 2009 to 2014 was 1 percent. Enrolment growth in BCAIU institutions was also 1 percent, while research universities (2%) and the “other” institution grouping (2%) experienced slightly higher growth rates. College headcount enrolments as of November 1st did not grow during this five year period, with seven of 11 colleges contracting, while Douglas and Langara experienced substantial growth (+2,070 and +1,245, respectively). Among BCAIU institutions, KWN added the most students over the period 2009 to 2014 (1,050) and JIBC was next, adding 910. Enrolment declines were observed during this period for VIU (-185), BCIT (-160), ECU (-50), and UFV (-35).

Figure 1



Sources: Research Universities' Council of British Columbia & Ministry of Advanced Education

Table 1: Student Headcount by Institution as of November 1st each year

	2010	2011	2012	2013	2014	2014 % inter- national
BCAIU²	61,610	62,065	62,180	63,570	62,115	9%
British Columbia Institute of Technology	21,705	21,790	22,200	22,320	22,125	5%
Emily Carr University of Art and Design	2,560	2,395	2,515	2,590	2,480	17%
Kwantlen Polytechnic University	13,435	13,950	13,885	14,275	14,090	11%
University of the Fraser Valley	10,195	10,180	9,995	9,970	9,770	8%
Vancouver Island University	10,005	9,320	9,450	9,490	9,435	16%
Justice Institute of BC ⁴	3,185	3,830	3,465	4,215	3,690	0%
Nicola Valley Institute of Technology	525	600	670	710	525	1%
Colleges²	71,220	72,040	70,045	70,235	68,465	10%
Camosun College	10,070	9,795	9,775	9,915	9,945	12%
College of New Caledonia	3,985	3,715	3,615	3,395	3,285	9%
College of the Rockies	3,565	3,690	3,170	3,050	2,820	8%
Douglas College	12,275	12,970	12,875	13,470	13,875	11%
Langara College	13,200	13,420	13,220	13,305	13,490	13%
North Island College	3,815	3,815	3,675	3,670	3,540	6%
Northern Lights College	1,695	1,715	1,505	1,555	1,410	16%
Northwest Community College	1,840	1,475	1,140	1,360	1,235	0%
Okanagan College	7,700	7,580	7,660	7,380	7,035	7%
Selkirk College	2,890	3,280	3,230	3,535	3,815	8%
Vancouver Community College	10,185	10,585	10,180	9,600	8,015	4%
Research Universities¹	107,513	109,742	111,037	112,520	113,748	18%
University of British Columbia	54,526	56,200	57,550	58,284	59,659	20%
University of Northern British Columbia	3,622	3,625	3,588	3,456	3,302	11%
University of Victoria	19,905	20,199	20,201	20,813	21,208	15%
Simon Fraser University	29,460	29,718	29,698	29,967	29,579	19%
Other²	24,760	26,215	26,785	27,565	26,165	12%
Capilano University	9,110	9,000	9,150	8,875	8,085	10%
Royal Roads University	2,150	2,330	2,440	2,450	2,445	16%
Thompson Rivers University	13,500	14,885	15,195	16,240	15,635	13%
Grand Total	265,103	270,062	270,047	273,890	270,493	13%

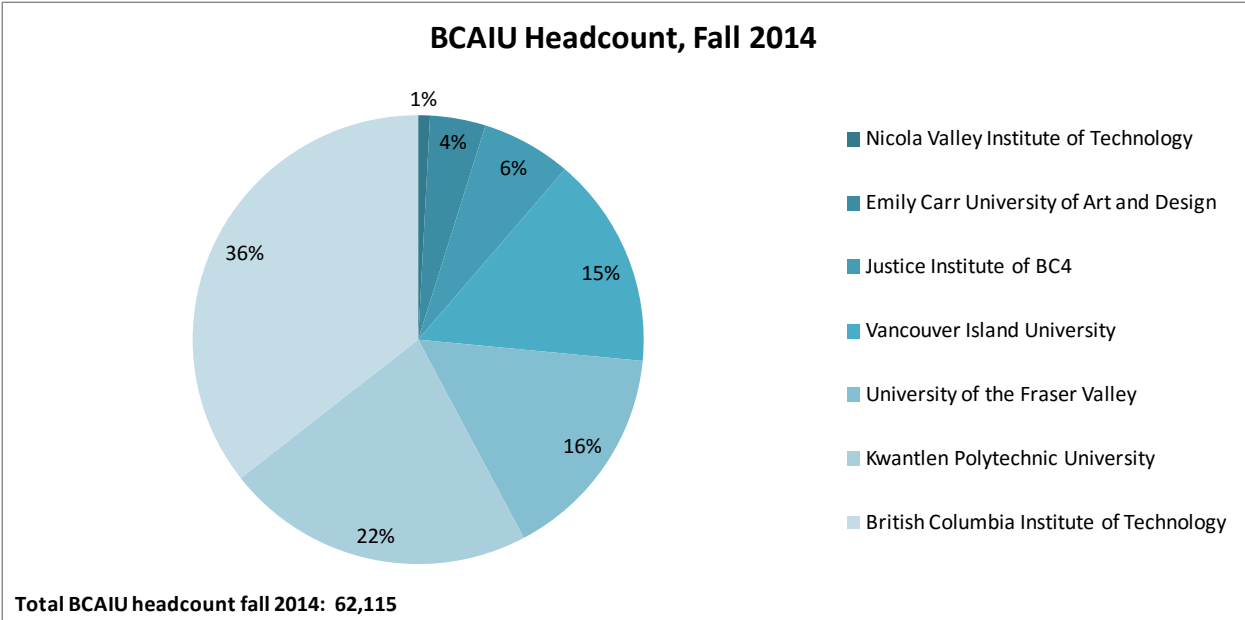
1. Data for research universities are from the Research Universities' Council of British Columbia's (RUCBC) British Columbia Higher Education Accountability Dataset (BCHEADset). The headcount data is a snapshot as of November 1st, and includes part-and full-time students, graduates, and undergraduates. International students are defined as those who are not Canadian citizens, permanent residents, or refugees, and have typically obtained a visa (e.g., student visa, work permit, diplomatic visa, or minister's permit) which allows them to pursue their higher education in Canada.
2. Data for all institutions other than research universities are from the Ministry of Advanced Education's Central Data Warehouse (CDW), October 2015 Data Submission. The headcount data is a snapshot as of November 1st and includes all registered students. International students are those who pay a fee for at least one course in a period.
3. The headcounts presented in this table report the number of students at a single point in time – November 1st. Institutions that offer more frequent, short-term courses (such as the Justice Institute of BC) tend to have a much lower headcount when a snapshot such as this is used as opposed to a full-year accounting (e.g., academic year, fiscal year, or calendar year).

Distribution of BCAIU headcount based on a 2014 fall snapshot

How was student enrolment distributed among BCAIU institutions in fall 2014?

BCIT (36%) and KWN (22%) accounted for over half of the total 62,115 fall 2014 headcount for BCAIU institutions. A further 31 percent of BCAIU enrolments were made up in almost equal parts by UFV (16%) and VIU (15%) (see Figure 2 and Table 1). The distribution of enrolments across BCAIU institutions has been fairly steady since 2009.

Figure 2



Source: Ministry of Advanced Education, Central Data Warehouse, October 2015 Data Submission

Enrolment in Academic Year 2014-15

This section differs from the last in that it provides an accounting of the total students who were enrolled in the B.C. public post-secondary system at any time during an academic year. Institutions that offer relatively more frequent, short term courses and programs will have higher enrolment numbers in the academic year view vs. the snapshot view. This is because they will serve a relatively high number of different students over the course of a year. By contrast, there may be little difference in enrolment numbers between the academic year and snapshot view for institutions that offer longer programs.

What proportion of all B.C. post-secondary students were enrolled in BCAIU institutions in academic year 2014-15?

Over 450 thousand students were enrolled in the B.C. public post-secondary system in the 2014-15 academic year. BCAIU institutions (29%) and research universities (28%) made up a similar proportion of total enrolments, while colleges accounted for one-third. The remaining 10 percent were registered in Capilano University, Royal Roads University, or Thompson Rivers University (see Figure 2 and Table 2).

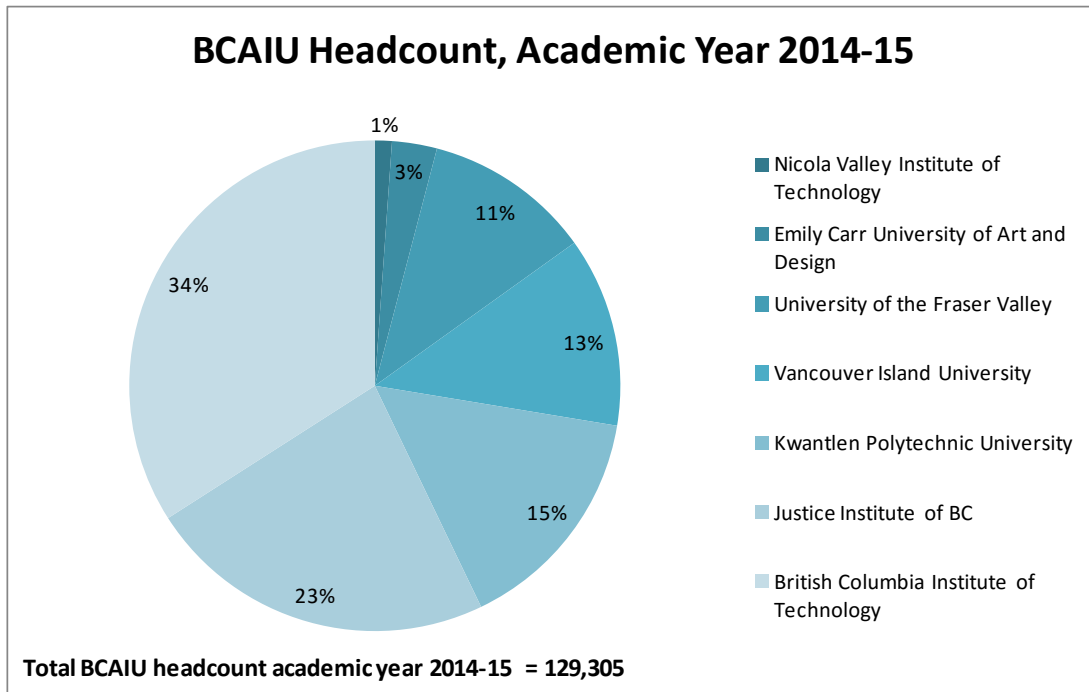
Between academic years 2009-10 and 2014-15, B.C. public post-secondary system academic year enrolments declined at an average annual rate of 1 percent. BCAIU enrolments were relatively steady, with a net decline of 2,395 students over the five year period. Among BCAIU institutions, enrolment declines were experienced by ECU (-3%), VIU (-3%) and UFV (-2%), while enrolments grew slightly at NVIT (+3%) and KWN (+1). Enrolments stayed approximately level at BCIT and JIBC. College enrolments also declined over this period (-3%), while research universities grew (+2%) and enrolments in other institutions stayed approximately level. Among BCAIU institutions, the largest absolute enrolment drops between academic years 2009-10 and 2014-15, were 2,840 students for VIU and 1,235 students for UFV. The largest absolute gains occurred at KWN (+885) and BCIT (+835).

Distribution of BCAIU headcount based on the 2014-15 academic year

How was student enrolment distributed among BCAIU institutions during the 2014-15 academic year?

Over the course of the 2014-15 academic year, a total of 129,305 students were enrolled at BCAIU institutions. Figure 3 shows how these enrolments were distributed across BCAIU institutions. More than half of 2014-15 academic year BCAIU enrolments were accounted for by BCIT (34%) and JIBC (23%). Note that JIBC accounts for a much higher proportion of overall BCAIU enrolment when enrolments are viewed on an academic year basis (23%) as compared with the fall 2014 snapshot (6%) (see Figure 2). This is because, relative to other institutions, JIBC tends to offer more frequent, short-term courses and programs.

Figure 3



Source: Ministry of Advanced Education, Central Data Warehouse, October 2015 Data Submission

Table 2: Student Headcount by Institution and Academic Year

	2010-11	2011-12	2012-13	2013-14	2014-15
BCAIU²	130,550	133,065	129,625	128,430	129,305
British Columbia Institute of Technology	42,930	42,760	43,055	43,300	44,055
Emily Carr University of Art and Design	4,760	4,350	4,145	3,925	3,825
Kwantlen Polytechnic University	19,205	19,575	19,595	19,745	19,740
University of the Fraser Valley	15,215	14,960	15,695	14,625	14,250
Vancouver Island University	18,280	17,205	17,810	17,210	16,175
Justice Institute of BC	28,800	32,745	27,915	28,105	29,815
Nicola Valley Institute of Technology	1,360	1,470	1,410	1,520	1,445
Colleges²	171,630	166,935	156,620	155,660	150,425
Camosun College	19,675	19,340	18,375	18,395	18,555
College of New Caledonia	10,330	9,940	8,940	9,530	8,490
College of the Rockies	12,530	12,815	10,795	10,710	10,150
Douglas College	26,275	24,645	23,585	24,015	23,815
Langara College	21,395	21,350	20,495	20,390	20,395
North Island College	9,865	9,300	9,075	8,835	8,490
Northern Lights College	9,470	9,350	8,380	7,745	7,490
Northwest Community College	7,030	5,680	5,350	5,290	5,095
Okanagan College	20,640	20,400	19,410	19,215	19,205
Selkirk College	10,770	11,015	10,185	11,590	12,025
Vancouver Community College	23,650	23,100	22,030	19,945	16,715
Research Universities¹	119,778	122,041	122,538	124,050	125,262
University of British Columbia	58,423	60,206	61,172	62,184	63,115
University of Northern British Columbia	4,261	4,224	4,151	4,020	3,793
University of Victoria	23,419	23,560	23,482	24,298	24,806
Simon Fraser University	33,675	34,051	33,733	33,548	33,548
Other²	44,350	45,805	46,905	47,125	45,590
Capilano University	14,455	14,580	14,470	13,630	12,190
Royal Roads University	3,455	3,815	3,710	3,660	3,835
Thompson Rivers University	26,440	27,410	28,725	29,835	29,565
Grand Total	466,308	467,846	455,688	455,265	450,582
Total without research universities	346,530	345,805	333,150	331,215	325,320

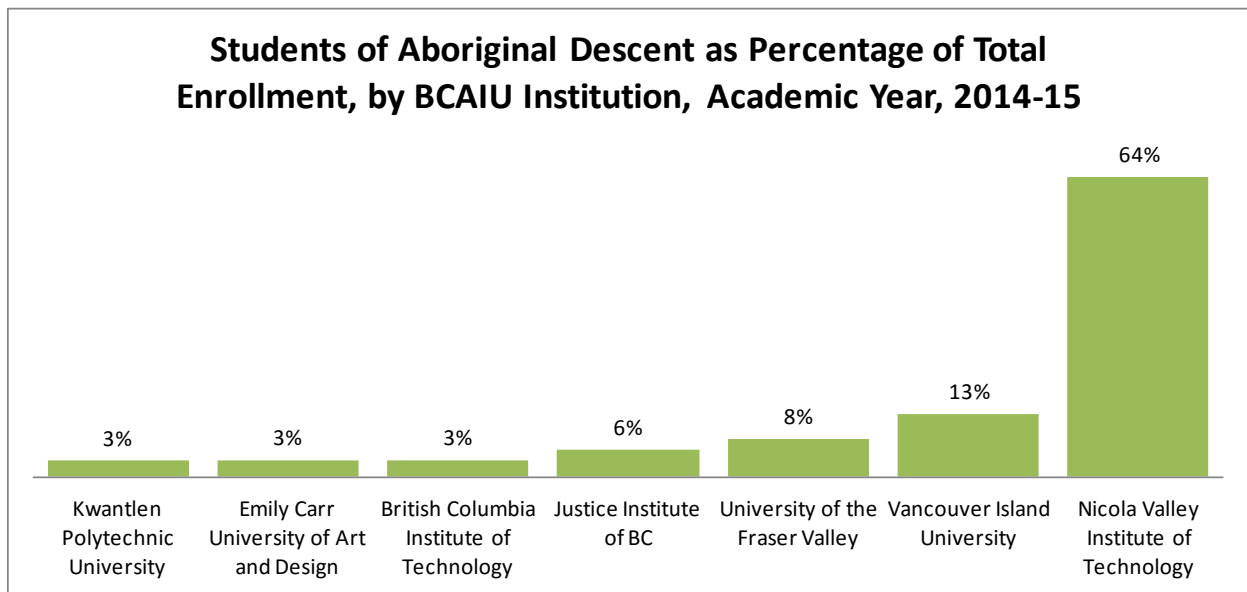
1. Data for research universities are from the Research Universities' Council of British Columbia's (RUCBC) British Columbia Higher Education Accountability Dataset (BCHEADset). Students in more than one term or session or program are not double-counted within a given institution. The count includes all part-and full-time students, graduates and undergraduates, and international and domestic. International students are defined as those who are not Canadian citizens, permanent residents, or refugees, and have typically obtained a visa (e.g., student visa, work permit, diplomatic visa, or minister's permit) which allows them to pursue their higher education in Canada.
2. Data for BCAIU, Colleges and the Other category are from the Ministry of Advanced Education Central Data Warehouse (CDW), October 2015 Data Submission. The counts include domestic and international students enrolled in all reported instructional activity, including skills courses (e.g., community education) and developmental activity. International students are defined as those who pay an international fee for at least one course in the period.
3. Totals are accurate for each institution, but sub-totals double-count students registered in more than one institution.

Aboriginal Students

How many students of Aboriginal descent were enrolled at BCAIU institutions during the 2014-15 academic year and how were they distributed across the institutions?

Of the total 22,195 students of Aboriginal descent enrolled in the public system outside of a research university, 34 percent were enrolled at a BCAIU institution in 2014-15. A total of 7,560 students of Aboriginal descent were enrolled at BCAIU institutions. Among BCAIU institutions, VIU had the highest number of students with Aboriginal identity (1,865) and these students made up approximately 13 percent of the student body at that institution (see Figure 4). Other BCAIU institutions that serve relatively large numbers of students of Aboriginal descent include: JIBC (1,680), BCIT (1,410), UFV (1,055) and NVIT (860). Reflecting its vision to provide education grounded in “Aboriginal experience and Indigenous Knowledge,” well over half (64%) of NVIT’s 2014-15 student population was of Aboriginal descent. Students are classified as Aboriginal if they self-declared in the province’s K-12 system, or if they identified themselves as Aboriginal at any B.C. post-secondary institution that submits data to the Central Data Warehouse (i.e., all but research universities).

Figure 4



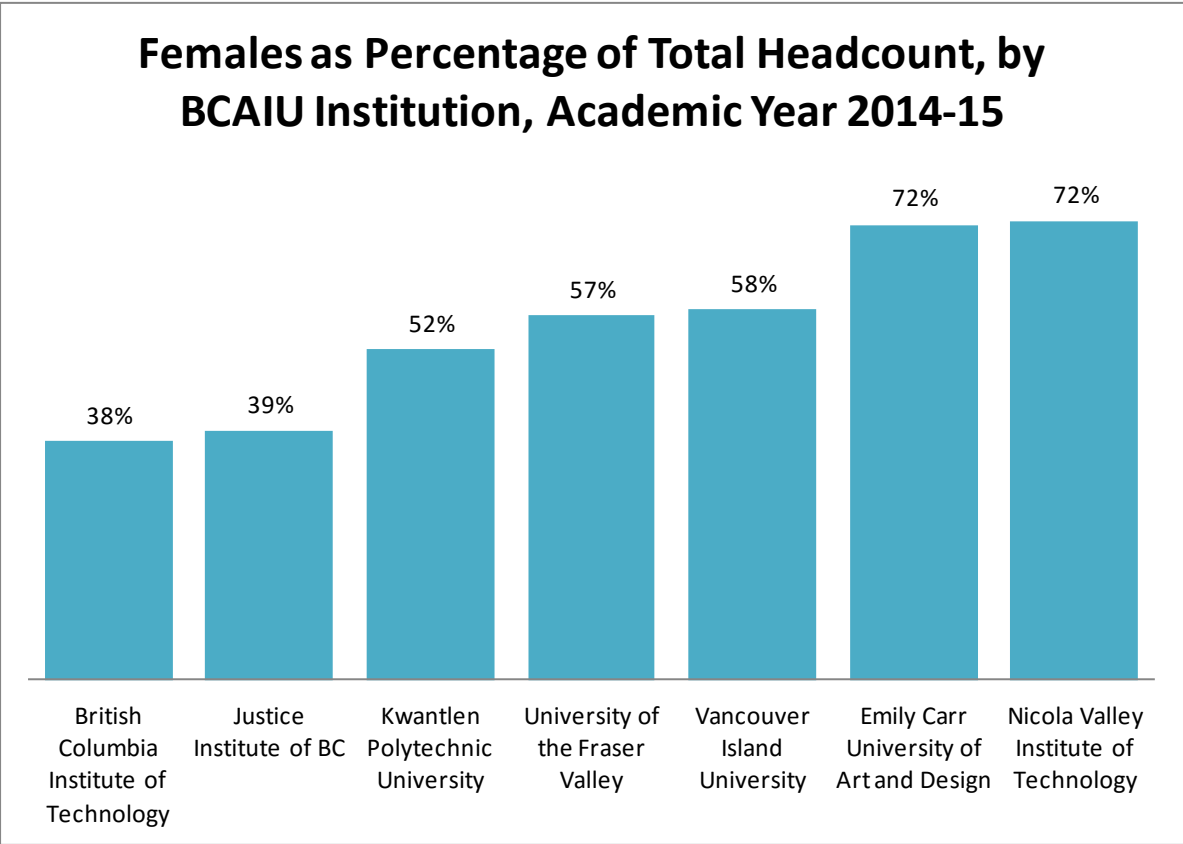
Source: Ministry of Advanced Education, Central Data Warehouse, October 2015 Data Submission

Gender

What is the gender mix at BCAIU institutions?

Across all BCAIU institutions, females comprised 46 percent of the student population in the 2014-15 academic year. Within individual institutions, this proportion ranged from 38 percent at BCIT and 39 percent at JIBC, to 72 percent at ECU and NVIT. At each BCAIU institution except BCIT and JIBC, females composed more than half of the student population in 2014-15 (see Figure 5). Across all institutions that submit data to the Central Data Warehouse, females composed 52 percent of the student population in 2014-15.

Figure 5



Source: Ministry of Advanced Education, Central Data Warehouse, October 2015 Data Submission

Program of Study

What programs of study are offered by BCAIU institutions?

During the academic year 2014-15, BCAIU offered a range of educational programming, including applied and professional programs, arts and sciences, continuing education, developmental studies, trades, and more (see Table 3).

Each university that is part of BCAIU had a different emphasis in terms of program enrolment. VIU had relatively strong enrolment in Developmental programs, which accounted for 27 percent of the student population during the 2014-15 academic year, and a further 21 percent of VIU students were enrolled in Arts and Sciences. UFV and KWN had relatively high enrolment concentrations in Arts and Sciences (35% and 36%, respectively) and Business and Management (15% and 29%, respectively). A large majority of ECU's enrolment was in Visual and Performing Arts programs (88%).

With respect to the institutes, 55 percent of NVIT's 2014-15 enrolment was in Arts and Sciences and 17 percent in Developmental programs. BCIT's emphasis was split three ways: Trades (27%), Engineering and Applied Sciences (24%), and Business and Management (20%). JIBC's focus was on Human and Social Services programs (63%), with a further 13 percent of total enrolment in Health programs and 12 percent in Arts and Sciences.

Table 3: Student Headcount by Program, Academic Years 2010-11 and 2014-15

	BCIT	ECU	KWN	UFV	VIU	JIBC	NVIT	BCAIU TOTAL	BCAIU % DIST	ALL INST	BCAIU % ALL INST
2014-15											
Arts and Sciences	2,755	195	7,350	5,290	3,675	3,815	855	23,935	17%	69,210	35%
Business & Management	9,535	-	5,920	2,220	1,970	1,520	50	21,215	15%	52,370	41%
Developmental	3,225	5	1,655	1,485	4,810	-	265	11,445	8%	41,045	28%
Education	50	-	145	660	815	315	5	1,990	1%	5,965	33%
Engineering & Applied Science	11,010	20	1,425	875	380	35	40	13,785	10%	28,350	49%
Health	6,150	-	1,145	1,045	1,225	4,050	125	13,740	10%	30,770	45%
Human & Social Services	585	-	125	1,655	475	20,005	125	22,970	17%	39,040	59%
Personal Improvement & Leisure		255	370	170	2,255	30	50	3,130	2%	31,050	10%
Trades	12,470	-	1,505	1,375	1,890	1,770	35	19,045	14%	42,715	45%
Visual & Performing Arts	1,005	3,440	725	250	225	-	-	5,645	4%	10,845	52%
	46,785	3,915	20,365	15,025	17,720	31,610*	1,550	136,970*	100%	351,515*	39%
2013-14											
Arts and Sciences	2,765	195	7,555	5,400	3,740	3,425	705	23,785	17%	70,070	34%
Business & Management	9,355	-	5,980	2,185	1,915	1,455	140	21,030	15%	53,590	39%
Developmental	3,160	110	1,675	1,465	5,855	-	310	12,575	9%	45,795	27%
Education	55	-	155	660	805	470	15	2,160	2%	6,310	34%
Engineering & Applied Science	10,865	30	1,250	855	355	30	30	13,415	10%	28,050	48%
Health	5,760	-	1,020	1,105	1,250	4,195	155	13,485	10%	30,475	44%
Human & Social Services	640	-	160	1,675	410	18,945	145	21,975	16%	38,730	57%
Personal Improvement & Leisure		405	360	235	2,515	-	160	3,675	3%	33,020	11%
Trades	12,335	-	1,495	1,395	1,765	1,815	20	18,825	14%	41,900	45%
Visual & Performing Arts	930	3,345	715	295	255	-	-	5,540	4%	11,180	50%
	45,865	4,085	20,365	15,270	18,865	30,335	1,680	136,465	100%	359,120	38%
2012-13											
Arts and Sciences	2,830	180	7,760	6,060	3,880	3,630	535	24,875	18%	71,900	35%
Business & Management	9,620	-	5,915	2,260	1,875	1,725	165	21,560	16%	54,560	40%
Developmental	3,250	100	1,575	1,755	6,485	-	345	13,510	10%	47,825	28%
Education	55	-	125	830	810	570		2,390	2%	6,660	36%
Engineering & Applied Science	11,055	20	1,175	830	365	10	25	13,480	10%	28,380	47%
Health	5,530	-	1,010	1,220	1,345	4,480	145	13,730	10%	29,135	47%
Human & Social Services	775	-	140	1,775	435	17,790	125	21,040	15%	37,985	55%
Personal Improvement & Leisure	-	400	345	205	2,275	-	240	3,465	3%	33,095	13%
Trades	11,855	-	1,470	1,235	1,740	1,940	-	18,240	13%	41,415	44%
Visual & Performing Arts	850	3,580	695	365	270	-	-	5,760	4%	11,695	49%
	45,820	4,280	20,210	16,535	19,480	30,145	1,580	138,050	100%	362,650	38%

Table 3: Student Headcount by Program, Academic Years 2010-11 and 2014-15, Continued

	BCIT	ECU	KWN	UFV	VIU	JIBC	NVIT	BCAIU TOTAL	BCAIU % DIST	ALL INST	BCAIU % ALL INST
2011-12											
Arts and Sciences	2,785	155	8,265	5,525	3,845	3,070	525	24,170	17%	74,105	33%
Business & Management	9,620	-	5,935	2,140	1,955	1,685	130	21,465	15%	53,505	40%
Developmental	3,100	85	1,520	1,595	6,385	-	395	13,080	9%	51,055	26%
Education	70	-	120	790	750	670	80	2,480	2%	6,525	38%
Engineering & Applied Science	11,010	35	950	715	345	5	10	13,070	9%	29,160	45%
Health	5,505	-	1,020	1,345	1,230	4,440	180	13,720	10%	29,575	46%
Human & Social Services	775	-	130	1,700	445	23,335	100	26,485	19%	43,155	61%
Personal Improvement & Leisure	-	560	320	305	1,965	-	170	3,320	2%	35,785	9%
Trades	11,860	-	1,345	1,120	1,640	1,875	-	17,840	13%	42,025	42%
Visual & Performing Arts	840	3,695	685	320	295	-	-	5,835	4%	12,045	48%
	45,565	4,530	20,290	15,555	18,855	35,080	1,590	141,465	100%	376,935	38%
2010-11											
Arts and Sciences	3,040	180	8,160	5,510	3,910	3,865	350	25,015	18%	71,780	35%
Business & Management	9,740	-	5,490	2,090	2,075	1,870	205	21,470	15%	50,505	46%
Developmental	2,680	80	1,715	1,645	7,235	-	460	13,815	10%	57,415	27%
Education	55	-	130	955	845	555	105	2,645	2%	7,290	38%
Engineering & Applied Science	11,150	25	880	630	370	10	25	13,090	9%	24,615	50%
Health	5,200	-	1,100	1,265	790	5,105	150	13,610	10%	31,540	43%
Human & Social Services	765	-	185	1,645	445	17,580	65	20,685	15%	36,570	57%
Personal Improvement & Leisure	-	600	290	505	2,380	35	310	4,120	3%	29,745	23%
Trades	11,920	-	1,280	1,165	1,675	1,825	-	17,865	13%	37,565	44%
Visual & Performing Arts	855	4,080	695	370	370	-	-	6,370	5%	13,065	61%
	45,405	4,965	19,925	15,780	20,095	30,845	1,670	138,685	100%	360,090	41%

*Enrolments coded to "Other" are included in the 2014-15 Total – there were 70 for JIBC and 155 for all institutions

1. Data is from the Ministry of Advanced Education's Central Data Warehouse (CDW), October 2015 Data Submission. The counts include domestic and international students. The headcounts are higher for each institution than reported in Table 2 because some students take more than one program in a given year.
2. Program areas are defined based on CIP clusters.
3. Note that students enrolled in more than one program area in a given year are counted each time, resulting in higher totals than in the section of this report showing the unduplicated student headcount.