

LEARNINGMETRIX

BCAIU System Data Update

2015-2016

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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

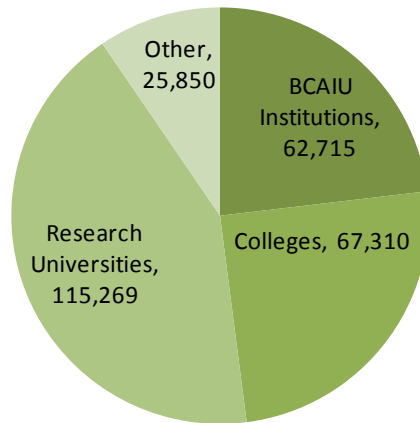
Enrolment in Fall 2015

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 2015?

Just over 270 thousand students were enrolled in the B.C. public post-secondary system in the fall of 2015. 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 43 percent of system enrolment and the remaining 10 percent were registered in Capilano University, Royal Roads University, or Thompson Rivers University (see **Error! Reference source not found.** and Table 1).

Distribution of Post-Secondary Student Headcount, Fall 2015



Total headcount fall 2015: 271,144

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

Fall enrolment levels in the B.C. public post-secondary system have been stable during the four year period from 2011 to 2015, with a net addition of just over one thousand students across the system. Enrolment levels in BCAIU institutions have also been relatively stable over this period, while college enrolments have declined at an average annual rate of 2 percent. Enrolment declines were experienced by all colleges during the period, with the exceptions of Selkirk College (+945), Douglas College (+620) and Camosun College (+235). Research university enrolments experienced modest growth at a rate of about 1% annually. Among BCAIU institutions, JIBC had the highest enrolment increase over the period (+1,045), with an average annual rate of growth of 6%. Enrolment declines were observed during this period for VIU (-430), UFV (-385), KWN (-250), and NVIT (-160).

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

	2011	2012	2013	2014	2015	2015 % inter- national
BCAIU²	62,065	62,260	63,630	62,655	62,715	9%
British Columbia Institute of Technology	21,790	22,295	22,440	22,270	22,425	7%
Emily Carr University of Art and Design	2,395	2,515	2,590	2,480	2,590	16%
Kwantlen Polytechnic University	13,950	13,865	14,280	14,185	13,700	11%
University of the Fraser Valley	10,180	10,000	9,970	9,765	9,795	9%
Vancouver Island University	9,320	9,450	9,415	9,255	8,890	17%
Justice Institute of BC ⁴	3,830	3,465	4,215	4,170	4,875	2%
Nicola Valley Institute of Technology	600	670	720	530	440	0%
Colleges²	72,040	70,040	70,235	68,415	67,310	11%
Camosun College	9,795	9,775	9,915	9,945	10,030	12%
College of New Caledonia	3,715	3,620	3,400	3,285	3,180	11%
College of the Rockies	3,690	3,170	3,050	2,825	2,820	10%
Douglas College	12,970	12,870	13,470	13,875	13,590	13%
Langara College	13,420	13,220	13,305	13,490	13,270	15%
North Island College	3,815	3,675	3,670	3,540	3,525	7%
Northern Lights College	1,715	1,500	1,550	1,385	1,390	26%
Northwest Community College	1,475	1,140	1,360	1,210	1,175	1%
Okanagan College	7,580	7,660	7,380	7,035	7,195	8%
Selkirk College	3,280	3,230	3,535	3,810	4,225	12%
Vancouver Community College	10,585	10,180	9,600	8,015	6,910	5%
Research Universities¹	109,731	111,025	112,508	113,629	115,269	20%
University of British Columbia	56,189	57,538	58,272	59,540	60,910	22%
University of Northern British Columbia	3,625	3,588	3,456	3,302	3,115	9%
University of Victoria	20,199	20,201	20,813	21,208	21,593	16%
Simon Fraser University	29,718	29,698	29,967	29,579	29,651	19%
Other²	26,215	26,785	27,580	26,200	25,850	13%
Capilano University	9,000	9,150	8,875	8,085	7,525	12%
Royal Roads University	2,330	2,445	2,470	2,480	2,500	18%
Thompson Rivers University	14,885	15,190	16,235	15,635	15,825	13%
Grand Total	270,051	270,110	273,953	270,899	271,144	15%

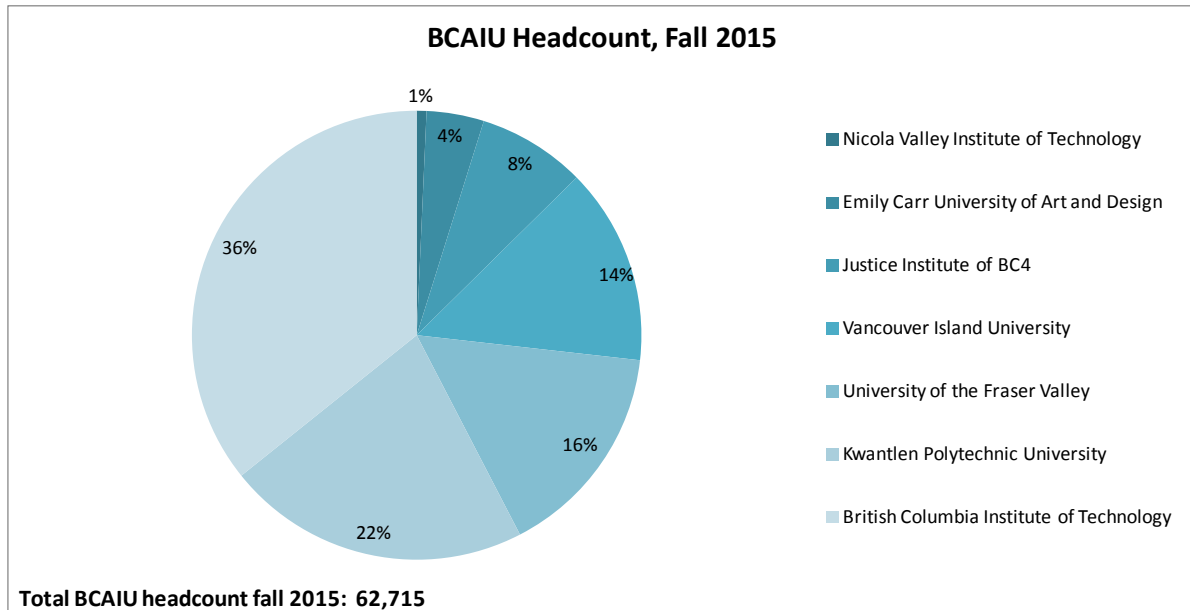
1. Data for research universities are from the Research Universities' Council of British Columbia's (RUCBC) British Columbia Higher Education Accountability Dataset (BCHEADset). The headcount data is a snapshot as of November 1st, and includes part-and full-time students, graduates, and undergraduates. 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 2016 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 2015 fall snapshot

How was student enrolment distributed among BCAIU institutions in fall 2015?

BCIT (36%) and KWN (22%) accounted for over half of the total 62,715 fall 2015 headcount for BCAIU institutions. A further 30 percent of BCAIU enrolments were made up in almost equal parts by UFV (16%) and VIU (14%) (see Figure 1 and Table 1).

Figure 1



Source: Ministry of Advanced Education, Central Data Warehouse, October 2016 Data Submission

Enrolment in Academic Year 2015-16

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 2015-16?

Almost 450 thousand students were enrolled in the B.C. public post-secondary system in the 2015-16 academic year. BCAIU institutions (27.9%) and research universities (28.4%) 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 Table 2).

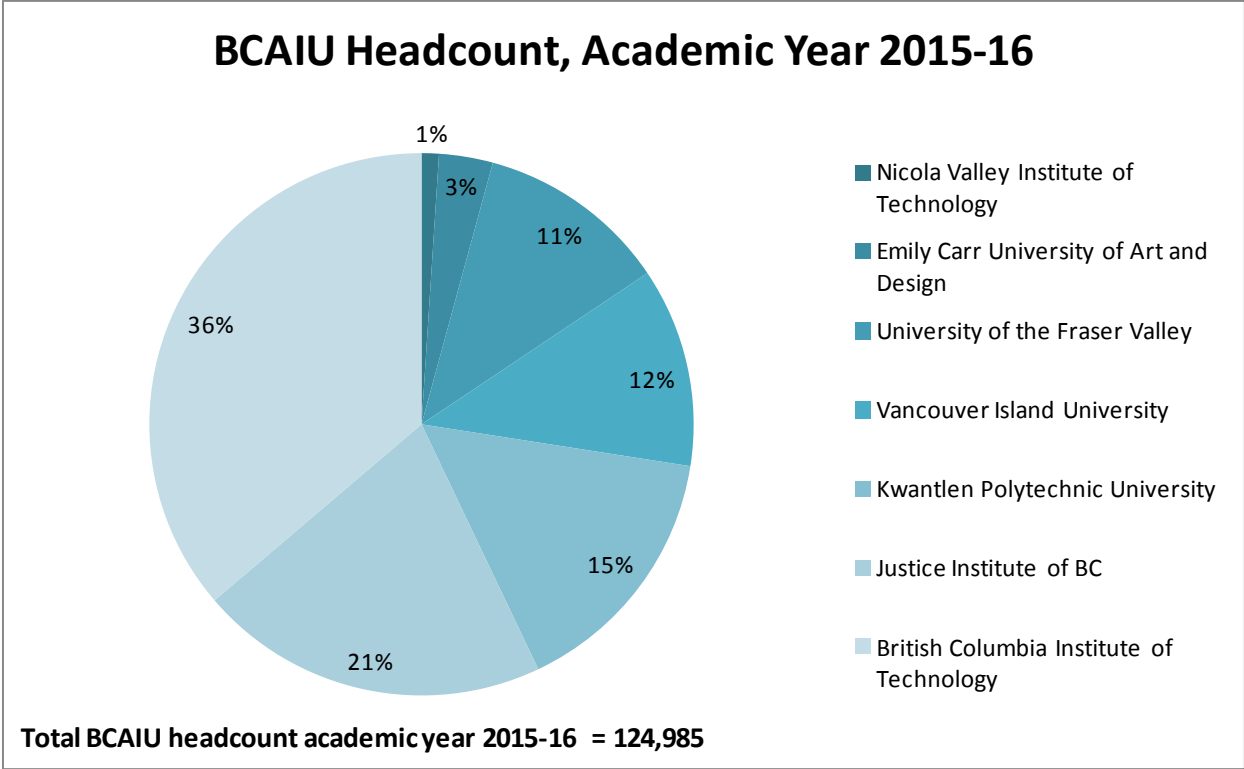
Between academic years 2011-12 and 2015-16, B.C. public post-secondary system academic year enrolments declined at an average annual rate of 1 percent. BCAIU enrolments decreased at a rate of 2 percent annually, with a net decline of 8,080 students over the four year period. Among BCAIU institutions, the largest enrolment declines were experienced by JIBC (-6,675) and VIU (-2,400), while enrolments grew at BCIT (+2,515). College enrolments also declined over this period (-3%), while research universities grew (+1%) and enrolments in the “other” institutions grouping stayed approximately level.

Distribution of BCAIU enrolments for by academic year

How was student enrolment distributed among BCAIU institutions during the 2015-16 academic year?

Over the course of the 2015-16 academic year, a total of 124,985 students were enrolled at BCAIU institutions. Figure 2 shows how these enrolments were distributed across BCAIU institutions. More than half of 2015-16 academic year BCAIU enrolments were accounted for by BCIT (36%) and JIBC (21%). Note that JIBC accounts for a much higher proportion of overall BCAIU enrolment when enrolments are viewed on an academic year basis (21%) as compared with the fall 2015 snapshot (8%) (see Figure 2). This is because, relative to other institutions, JIBC tends to offer more frequent, short-term courses and programs.

Figure 2



Source: Ministry of Advanced Education, Central Data Warehouse, October 2016 Data Submission

Table 2: Student Headcount by Institution and Academic Year

	2011-12	2012-13	2013-14	2014-15	2015-16
BCAIU²	133,065	129,115	127,920	130,530	124,985
British Columbia Institute of Technology	42,760	43,135	43,410	44,265	45,275
Emily Carr University of Art and Design	4,350	4,145	3,925	3,825	4,010
Kwantlen Polytechnic University	19,575	19,235	19,405	19,450	19,320
University of the Fraser Valley	14,960	15,700	14,620	14,355	14,215
Vancouver Island University	17,205	17,570	16,845	16,065	14,805
Justice Institute of BC	32,745	27,915	28,195	31,125	26,070
Nicola Valley Institute of Technology	1,470	1,415	1,520	1,445	1,290
Colleges²	166,935	156,620	155,635	150,650	150,590
Camosun College	19,340	18,375	18,395	18,555	19,325
College of New Caledonia	9,940	8,945	9,520	8,570	8,480
College of the Rockies	12,815	10,795	10,710	10,195	9,770
Douglas College	24,645	23,585	24,010	23,820	23,795
Langara College	21,350	20,495	20,390	20,395	22,110
North Island College	9,300	9,075	8,835	8,490	8,505
Northern Lights College	9,350	8,380	7,740	7,485	6,095
Northwest Community College	5,680	5,350	5,290	5,095	4,640
Okanagan College	20,400	19,410	19,210	19,205	19,655
Selkirk College	11,015	10,180	11,590	12,125	12,610
Vancouver Community College	23,100	22,030	19,945	16,715	15,605
Research Universities¹	122,041	122,538	124,441	125,262	127,311
University of British Columbia	60,206	61,172	62,184	63,115	65,232
University of Northern British Columbia	4,224	4,151	4,020	3,793	3,593
University of Victoria	23,560	23,482	24,298	24,806	25,084
Simon Fraser University	34,051	33,733	33,939	33,548	33,402
Other²	45,805	46,905	47,130	45,665	45,365
Capilano University	14,580	14,470	13,630	12,195	11,185
Royal Roads University	3,815	3,720	3,675	3,865	3,995
Thompson Rivers University	27,410	28,715	29,825	29,605	30,185
Grand Total	467,846	455,178	455,126	452,107	448,251
Total without research universities	345,805	332,640	330,685	326,845	320,940

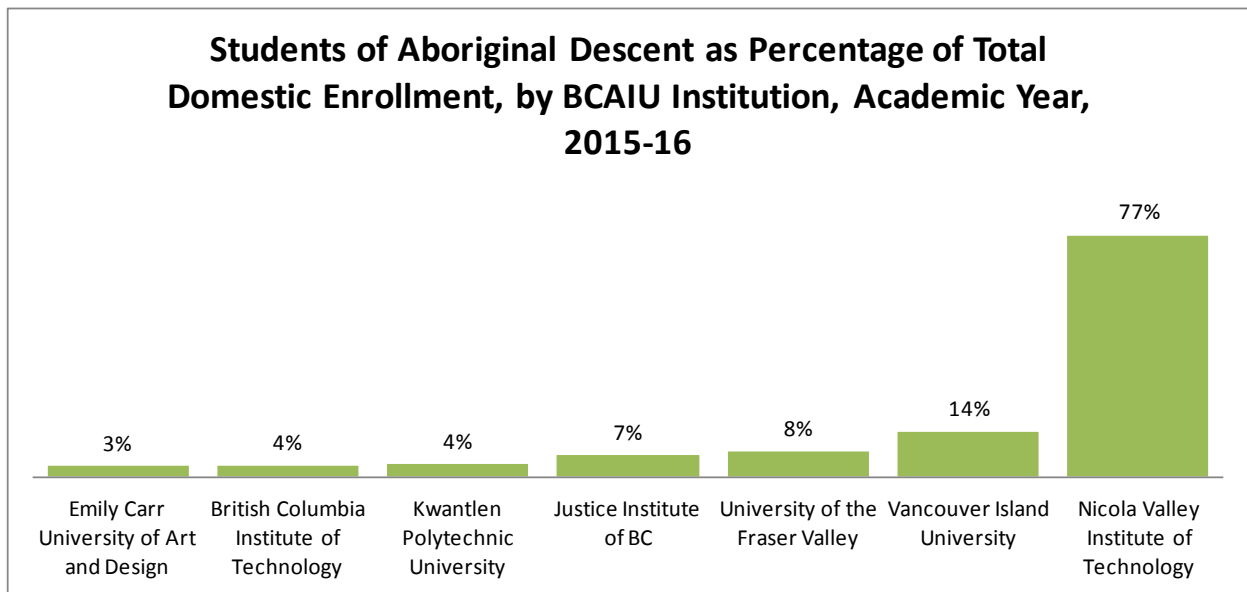
1. Data for research universities are from the Research Universities' Council of British Columbia's (RUCBC) British Columbia Higher Education Accountability Dataset (BCHEADset). Students in more than one term or session or program are not double-counted within a given institution. The count includes 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 2016 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 2015-16 academic year and how were they distributed across the institutions?

Of the total 22,410 students of Aboriginal descent enrolled in the public system outside of a research university, 35 percent were enrolled at a BCAIU institution in 2015-16. A total of 7,910 students of Aboriginal descent were enrolled at BCAIU institutions. Among BCAIU institutions, VIU had the highest number of students with Aboriginal identity (1,840) and these students made up approximately 14 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 (1,705), BCIT (1,505), UFV (1,050) and NVIT (990). Reflecting its vision to provide education grounded in “Aboriginal experience and Indigenous Knowledge,” over three-quarters (77%) of NVIT’s 2015-16 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 3



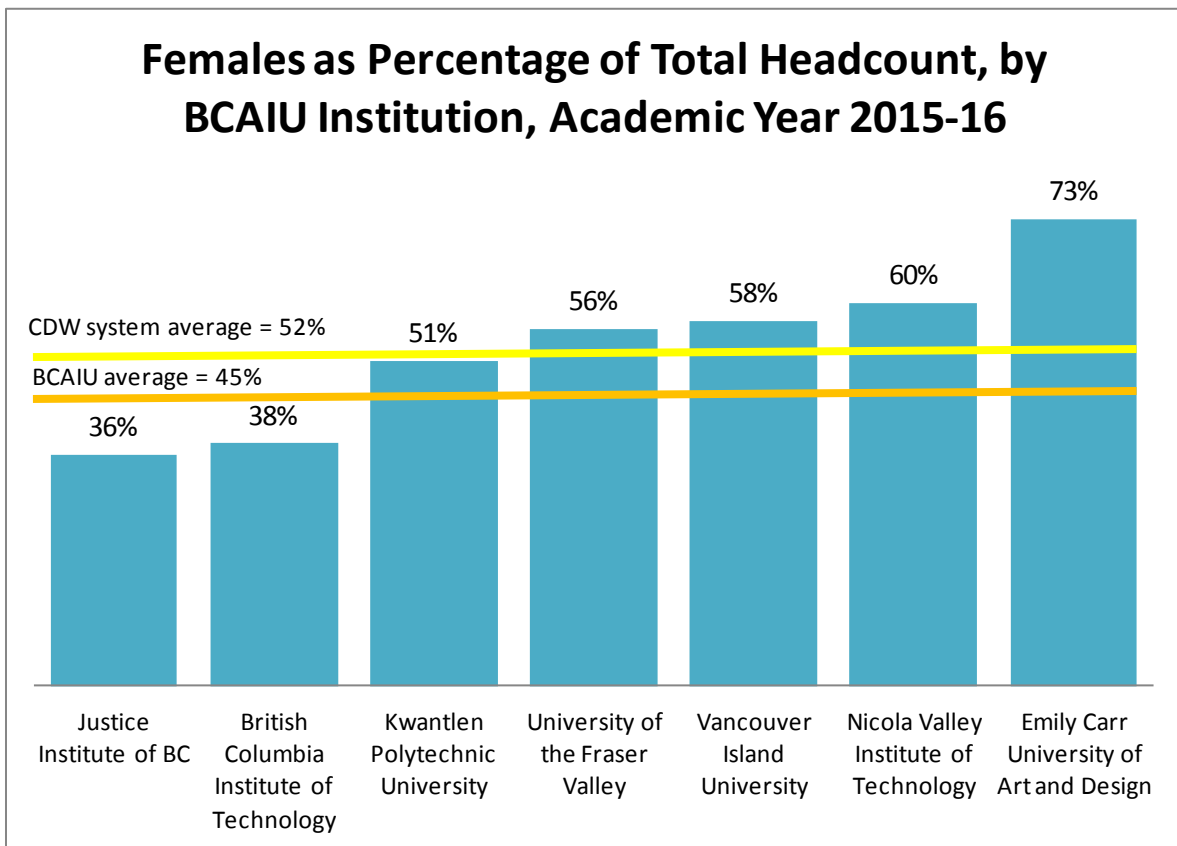
Source: Ministry of Advanced Education, Central Data Warehouse, October 2016 Data Submission

Gender

What is the gender mix at BCAIU institutions?

Across all BCAIU institutions, females comprised 45 percent of the student population in the 2015-16 academic year. Within individual institutions, this proportion ranged from 36 percent at JIBC and 38 percent at BCIT, to 60 percent at NVIT and 73 percent at ECU. At each BCAIU institution except BCIT and JIBC, females composed more than half of the student population in 2015-16 (see Figure 4). Across all institutions that submit data to the Central Data Warehouse, females made up 52 percent of the student population in 2015-16.

Figure 4



Source: Ministry of Advanced Education, Central Data Warehouse, October 2016 Data Submission

Program of Study

What programs of study are offered by BCAIU institutions?

During the academic year 2015-16, BCAIU institutions 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 22 percent of the student population during the 2015-16 academic year, and a further 27 percent of VIU students were enrolled in Arts and Sciences. UFV and KWN had relatively high enrolment concentrations in Arts and Sciences (40% and 37%, respectively) and Business and Management (14% and 32%, respectively). A large majority of ECU's enrolment was in Visual and Performing Arts programs (87%).

With respect to the institutes, one-third of NVIT's 2015-16 enrolment was in Arts and Sciences and 26 percent in Developmental programs. BCIT's emphasis was split three ways: Trades (26%), Engineering and Applied Sciences (24%), and Business and Management (21%). JIBC's focus was on Human and Social Services programs (67%), with a further 11 percent of total enrolment in Health programs and 11 percent in Arts and Sciences.

In terms of its share of enrollments across institutions that report to the CDW, BCAIU institutions accounted for close to, or more than half of all enrollments in the 2015-16 academic year in Education (45%), Health (46%), Trades (46%), Engineering (49%), Visual & Performing Arts (54%) and Human and Social Services (57%).

Table 3: Student Headcount by Program, Academic Years 2011-12 and 2015-16

	BCIT	ECU	KWN	UFV	VIU	JIBC	NVIT	BCAIU TOTAL	BCAIU % DIST	ALL INST	BCAIU % ALL INST
2015-16											
Arts and Sciences	3,130	190	7,365	6,185	3,805	3,005	460	24,140	18%	69,355	31%
Business & Management	9,980	-	6,265	2,150	1,970	1,165	60	21,590	16%	54,375	39%
Developmental	2,780	15	1,540	1,180	3,615	-	360	9,490	7%	36,495	27%
Education	60	-	140	610	810	240	-	1,860	1%	5,605	45%
Engineering & Applied Science	11,480	10	1,135	900	445	40	35	14,045	11%	28,455	49%
Health	6,290	-	1,050	1,020	1,300	2,910	100	12,670	10%	29,240	46%
Human & Social Services	700	-	125	1,435	455	18,235	100	21,050	16%	37,075	57%
Personal Improvement & Leisure	-	330	-	165	1,555	35	210	2,295	2%	29,580	7%
Trades	12,450	-	1,670	1,510	1,880	1,570	65	19,145	15%	42,775	46%
Visual & Performing Arts	1,050	3,585	570	210	275	-	-	5,690	4%	11,415	54%
	47,930*	4,130	19,860	15,365	16,110	27,200	1,390	131,985*	100%	344,380*	38%
2014-15											
Arts and Sciences	2,725	195	7,350	5,290	3,675	3,800	855	23,890	17%	69,045	35%
Business & Management	9,625	-	5,925	2,220	1,975	1,375	50	21,170	15%	52,335	40%
Developmental	3,070	-	1,725	1,485	4,805	-	265	11,350	8%	40,895	28%
Education	50	-	145	660	815	315	-	1,985	1%	6,005	33%
Engineering & Applied Science	11,070	15	1,425	875	395	35	40	13,855	10%	28,855	48%
Health	6,180	-	1,145	1,060	1,225	4,260	125	13,995	10%	31,020	45%
Human & Social Services	585	-	125	1,655	470	21,050	125	24,010	17%	40,180	60%
Personal Improvement & Leisure	-	255	-	170	2,130	30	50	2,635	2%	29,715	9%
Trades	12,525	-	1,525	1,475	1,890	1,845	35	19,295	14%	43,125	45%
Visual & Performing Arts	1,005	3,440	725	250	225	-	-	5,645	4%	11,090	51%
	46,835	3,915	20,090	15,135	17,605	32,710	1,545	137,835	100%	352,265	39%
2013-14											
Arts and Sciences	2,750	190	7,550	5,400	3,740	3,425	710	23,765	17%	70,000	34%
Business & Management	9,395	-	5,980	2,180	1,915	1,455	140	21,065	15%	53,595	39%
Developmental	3,085	110	1,715	1,465	5,800	-	315	12,490	9%	45,610	27%
Education	55	-	155	660	805	470	15	2,160	2%	6,390	34%
Engineering & Applied Science	10,940	30	1,250	855	355	30	30	13,490	10%	28,605	47%
Health	5,760	-	1,015	1,105	1,250	4,240	160	13,530	10%	30,485	44%
Human & Social Services	640	-	160	1,675	410	19,040	145	22,070	16%	38,795	57%
Personal Improvement & Leisure	-	405	-	235	2,200	-	160	3,000	3%	31,715	9%
Trades	12,375	-	1,495	1,395	1,775	1,815	20	18,875	14%	42,035	45%
Visual & Performing Arts	930	3,345	715	295	255	-	-	5,540	4%	11,340	49%
	45,930	4,080	20,035	15,265	18,505	30,475	1,695	135,985	100%	358,570	38%

Table 3: Student Headcount by Program, Academic Years 2011-12 and 2015-16, Continued

	BCIT	ECU	KWN	UFV	VIU	JIBC	NVIT	BCAIU TOTAL	BCAIU % DIST	ALL INST	BCAIU % ALL INST
2012-13											
Arts and Sciences	2,815	185	7,745	6,060	3,880	3,630	535	24,850	18%	71,865	35%
Business & Management	9,655	-	5,910	2,260	1,875	1,725	165	21,590	16%	54,565	40%
Developmental	3,190	100	1,590	1,755	6,475	-	345	13,455	10%	47,660	28%
Education	55	-	125	830	810	570		2,390	2%	6,695	36%
Engineering & Applied Science	11,120	20	1,175	830	365	10	25	13,545	10%	29,045	47%
Health	5,530	-	1,010	1,210	1,345	4,480	145	13,720	10%	29,115	47%
Human & Social Services	775	-	140	1,775	435	17,790	125	21,040	15%	37,975	55%
Personal Improvement & Leisure	-	400	0	215	2,095	-	235	2,945	2%	32,010	9%
Trades	11,880	-	1,470	1,245	1,745	1,940	-	18,280	13%	41,555	44%
Visual & Performing Arts	850	3,580	695	365	270	-	-	5,760	4%	11,880	48%
	45,870	4,280	19,860	16,550	19,295	30,145	1,575	137,575	100%	362,365	38%
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%

*10 enrolments coded to "Other" are included in the overall total for 2015-16

1. Data is from the Ministry of Advanced Education's Central Data Warehouse (CDW), October 2016 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.