

LEARNINGMETRIX

BCAIU System Data Update

2012-2013

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Introduction to the BCAIU System

The BCAIU system is composed of eight 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. Capilano University – CAP
4. Kwantlen Polytechnic University – KWN
5. University of the Fraser Valley – UFV
6. Vancouver Island University – VIU
7. Justice Institute of BC – JIBC
8. Nicola Valley Institute of Technology – NVIT

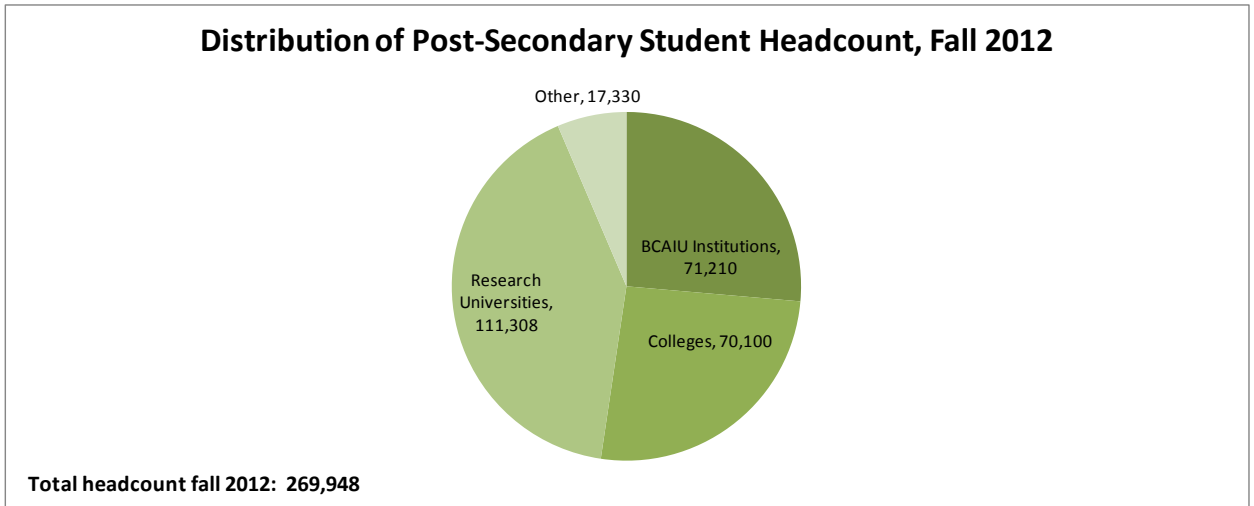
Enrolment in Fall 2012

What proportion of all B.C. post-secondary students were enrolled in BCAIU institutions in fall 2012?

About 270 thousand students were enrolled in the B.C. public post-secondary system in the fall of 2012. Just over one-quarter (26%) of these students were enrolled in one of the eight BCAIU institutions and an equal proportion was enrolled in colleges (26%). The province’s research universities accounted for 41 percent of student enrolment and the remaining 6 percent were registered in Royal Roads University or Thompson Rivers University (see Figure 1 and Table 1).

The average annual growth rate for the B.C. public post-secondary system between 2008 and 2012 was 2 percent. Enrollment growth in BCAIU institutions and colleges matched the overall system rate of growth, while research universities (3%) and the “other” institution grouping (4%) grew at a slightly faster rate. Among BCAIU institutions, KWN added the most students over the period 2008 to 2012 (2,005) and JIBC was next, adding 1,740.

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

	2008	2009	2010	2011	2012	2012 % inter- national
BCAIU²	64,950	69,350	70,720	71,055	71,210	7%
British Columbia Institute of Technology	22,010	22,285	21,710	21,790	22,220	5%
Emily Carr University of Art and Design	2,290	2,530	2,560	2,360	2,485	13%
Capilano University	8,200	8,815	9,110	9,000	9,150	7%
Kwantlen Polytechnic University	11,840	13,040	13,435	13,960	13,845	8%
University of the Fraser Valley	9,100	9,805	10,195	10,180	9,990	7%
Vancouver Island University	9,295	9,620	10,005	9,320	9,440	13%
Justice Institute of BC ⁴	1,670	2,780	3,180	3,840	3,410	1%
Nicola Valley Institute of Technology	545	475	525	605	670	0%
Colleges²	65,180	68,990	71,235	72,145	70,100	6%
Camosun College	9,095	9,810	10,070	9,800	9,775	6%
College of New Caledonia	3,555	3,760	3,985	3,715	3,625	8%
College of the Rockies	2,760	3,235	3,565	3,695	3,170	5%
Douglas College	11,415	11,805	12,280	12,975	12,855	9%
Langara College	11,685	12,245	13,215	13,435	13,235	9%
North Island College	3,520	3,970	3,815	3,815	3,675	3%
Northern Lights College	1,620	1,795	1,700	1,720	1,510	5%
Northwest Community College	1,745	1,960	1,840	1,475	1,140	0%
Okanagan College	6,715	7,370	7,700	7,650	7,705	6%
Selkirk College	3,215	3,070	2,880	3,285	3,230	4%
Vancouver Community College	9,855	9,970	10,185	10,580	10,180	3%
Research Universities¹	99,789	104,610	107,626	109,865	111,308	15%
University of British Columbia	50,575	53,155	54,639	56,323	57,821	16%
University of Northern British Columbia	3,701	3,675	3,622	3,625	3,588	10%
University of Victoria	18,432	19,333	19,905	20,199	20,201	10%
Simon Fraser University	27,081	28,447	29,460	29,718	29,698	18%
Other²	15,070	15,715	15,630	16,990	17,330	11%
Royal Roads University	1,975	1,905	2,140	2,300	2,375	8%
Thompson Rivers University	13,095	13,810	13,490	14,690	14,955	11%
Grand Total	244,989	258,665	265,211	270,055	269,948	11%

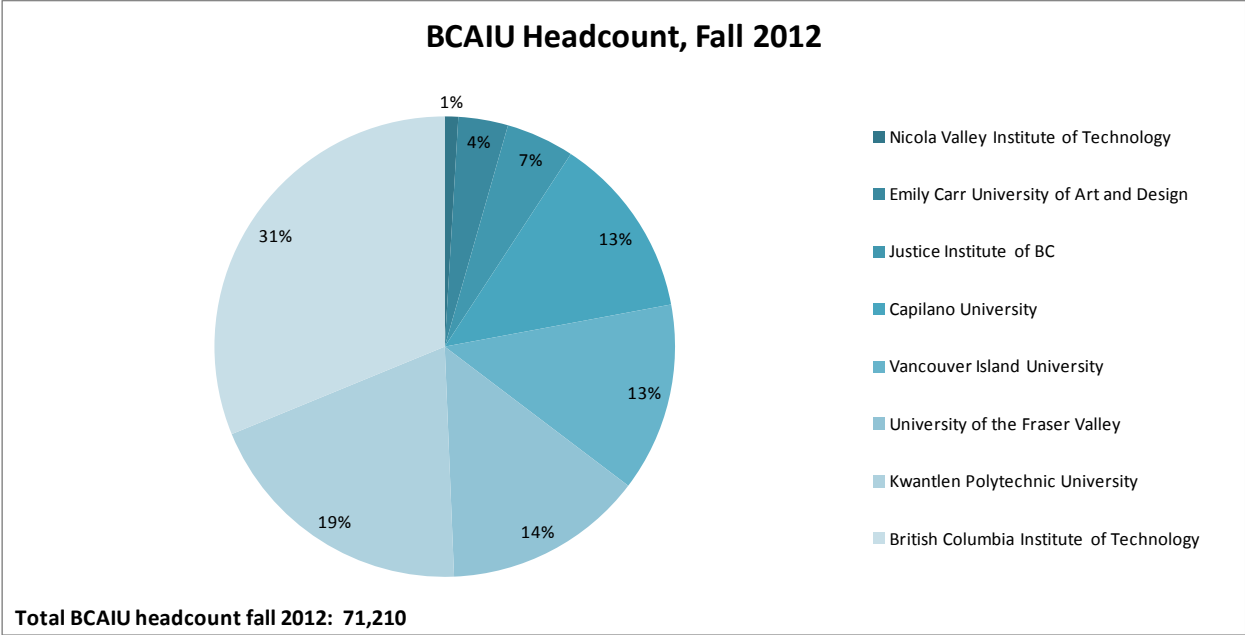
1. Data for research universities are from the Research Universities' Council of British Columbia's (RUCBC) British Columbia Higher Education Accountability Dataset (BCHEADset). The headcount data is a snapshot as of November 1st, and includes part-and full-time students, graduates, and undergraduates. 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 2013 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 2012 fall snapshot

How was student enrolment distributed among BCAIU institutions in fall 2012?

BCIT (31%) and KWN (19%) accounted for about half of the total 71,210 fall 2012 headcount for BCAIU institutions. A further 40 percent of BCAIU enrolments were made up in approximately equal parts by UFV (14%), VIU (13%) and CAP (13%)(see Figure 2 and Table 1). The distribution of enrollments across BCAIU institutions has been fairly steady since 2008, with the exception that BCIT's share has decreased by 3 percentage points and VIU's by 1 percentage point, while JIBC's share has increased by 2 percentage points and KWN's by 1 percentage point.

Figure 2



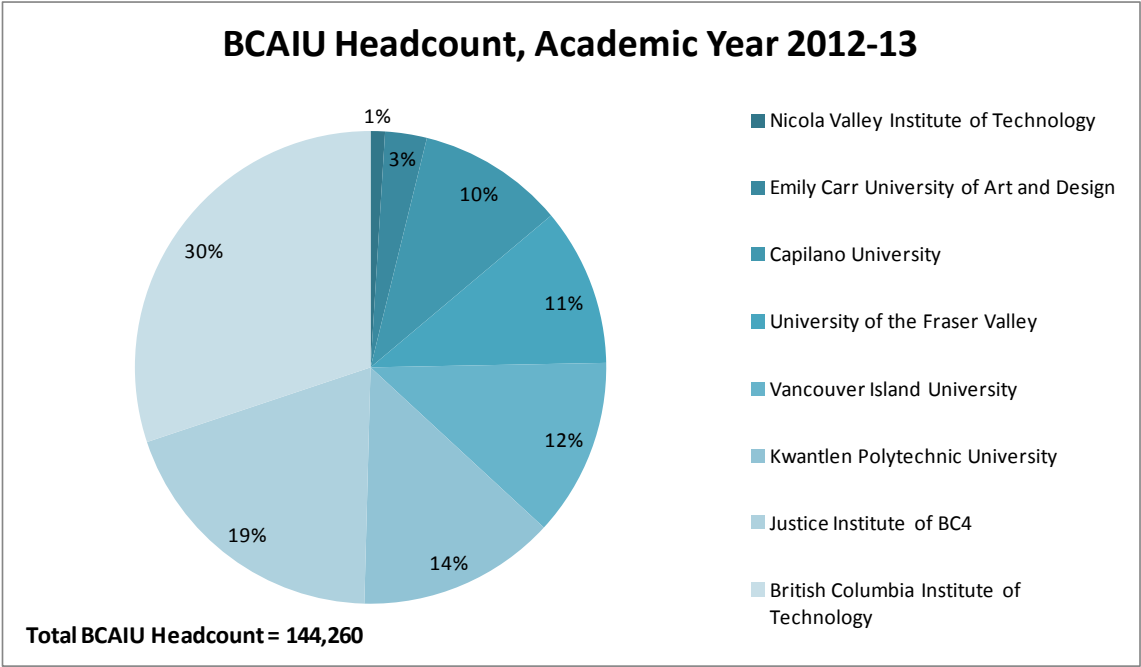
Source: Ministry of Advanced Education, Central Data Warehouse, October 2013 Data Submission

Distribution of BCAIU headcount based on the 2012-13 academic year

How was student enrolment distributed among BCAIU institutions during the 2012-13 academic year?

Over the course of the 2012-13 academic year, a total of 144,260 students were enrolled at BCAIU institutions. Figure 3 shows how these enrolments were distributed across BCAIU institutions. Almost half of 2012-13 academic year BCAIU enrolments were accounted for by BCIT (30%) and JIBC (19%). Note that JIBC accounts for a much higher proportion of overall BCAIU enrolment during the academic year (19%) as compared with the fall 2012 snapshot (7%) (see Figure 2). This is because, relative to other institutions, JIBC tends to offer more frequent, short-term courses.

Figure 3



Source: Ministry of Advanced Education, Central Data Warehouse, October 2013 Data Submission

Table 2: Student Headcount by Institution and Academic Year

	2008-09	2009-10	2010-11	2011-12	2012-13
BCAIU¹	145,230	145,840	145,180	148,235	144,260
British Columbia Institute of Technology	44,360	43,220	42,975	42,890	43,470
Emily Carr University of Art and Design	4,195	4,520	4,760	4,300	4,115
Capilano University	13,605	14,140	14,455	14,580	14,470
Kwantlen Polytechnic University	17,895	18,855	19,210	19,595	19,535
University of the Fraser Valley	14,675	15,485	15,215	14,960	15,625
Vancouver Island University	19,410	19,015	18,220	17,205	17,575
Justice Institute of BC	29,870	29,360	28,985	33,230	28,055
Nicola Valley Institute of Technology	1,220	1,245	1,360	1,475	1,415
Colleges¹	167,670	171,610	171,735	167,090	156,160
Camosun College	18,755	19,375	19,680	19,345	18,440
College of New Caledonia	9,870	9,920	10,330	9,940	8,770
College of the Rockies	12,185	12,635	12,530	12,820	10,415
Douglas College	24,680	25,605	26,315	24,660	23,545
Langara College	19,575	20,875	21,405	21,365	20,765
North Island College	9,630	9,815	9,865	9,300	9,080
Northern Lights College	9,925	9,605	9,485	9,365	8,310
Northwest Community College	6,920	7,465	7,030	5,680	5,335
Okanagan College	20,025	21,380	20,640	20,465	19,470
Selkirk College	12,305	11,445	10,805	11,050	10,015
Vancouver Community College	23,800	23,490	23,650	23,100	22,015
Research Universities²	n/a	n/a	n/a	n/a	n/a
University of British Columbia	n/a	n/a	n/a	n/a	n/a
University of Northern British Columbia	n/a	n/a	n/a	n/a	n/a
University of Victoria	n/a	n/a	n/a	n/a	n/a
Simon Fraser University	n/a	n/a	n/a	n/a	n/a
Other¹	30,230	30,495	29,685	30,735	31,755
Royal Roads University	3,155	3,380	3,445	3,785	3,655
Thompson Rivers University	27,075	27,115	26,240	26,950	28,100
Grand Total	343,130	347,945	346,600	346,060	332,175

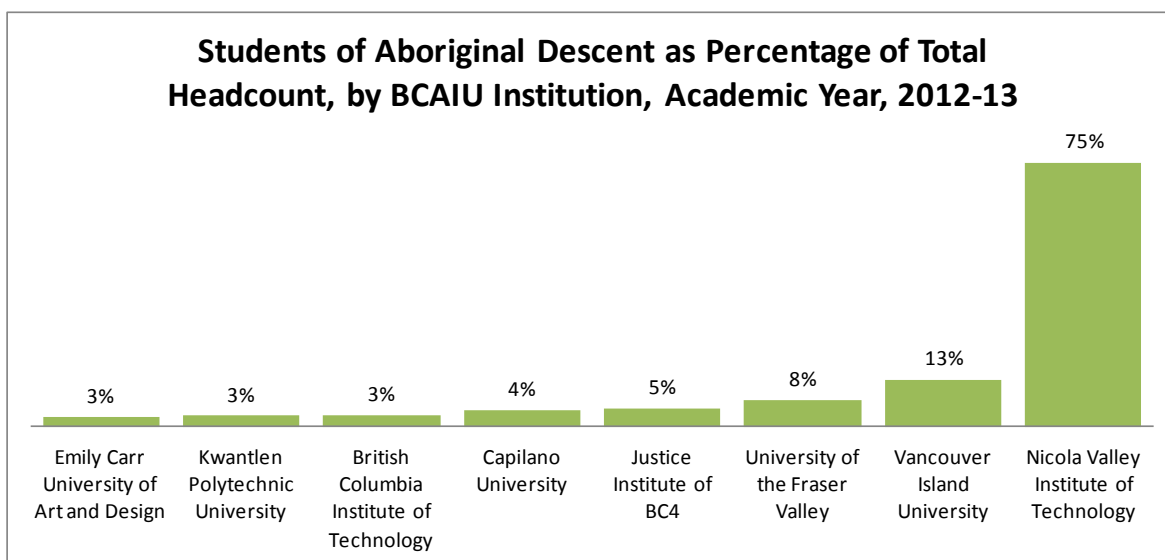
1. Data is from the Ministry of Advanced Education Central Data Warehouse (CDW), October 2013 Data Submission. Totals are accurate for each institution, but sub-totals double-count students registered in more than one institution.
2. Headcount data for research universities is not available on an academic year basis.

Aboriginal Students

How many students of Aboriginal descent were enrolled at BCAIU institutions during the 2012-13 academic year and how were they distributed across the institutions?

Of the total 22,520 students of Aboriginal descent enrolled in the public system outside of a research university, 37% were enrolled at a BCAIU institution in 2012-13. A total of 8,220 students of Aboriginal descent were enrolled at BCAIU institutions, up from 7,960 in 2011-12. Among BCAIU institutions, VIU had the highest number of students with Aboriginal identity (2,080) and these students made up approximately 13 percent of the student body at that institution (see Figure 4). Other BCAIU institutions with over one-thousand students of Aboriginal descent include: JIBC (1,405), BCIT (1,330), and NVIT (1,055). NVIT had the highest proportion of Aboriginal students of all the BCAIU institutions, with students of Aboriginal descent comprising 75 percent of the student body. 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



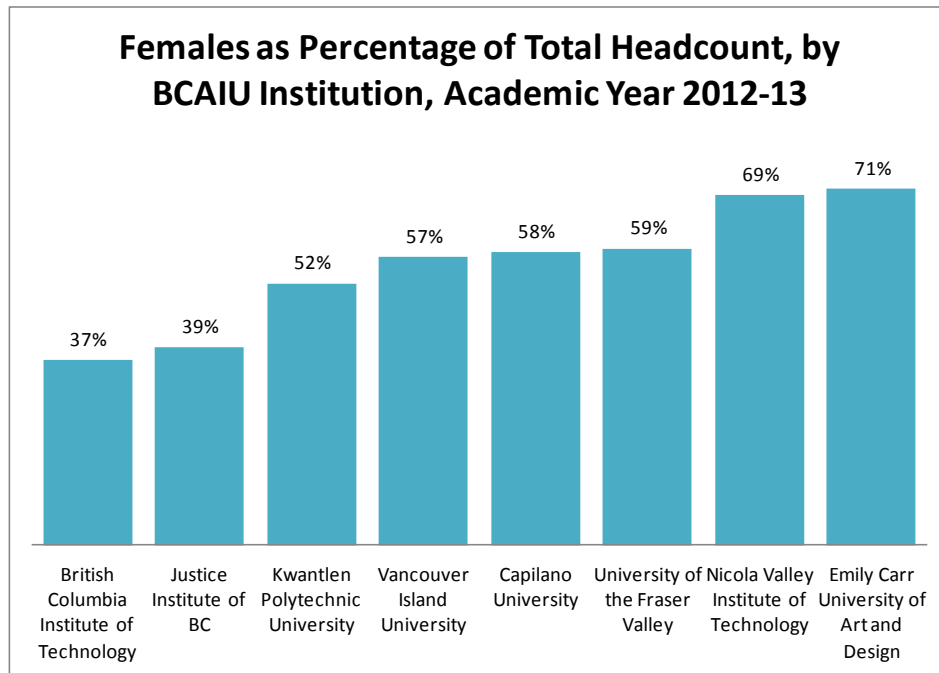
Source: Ministry of Advanced Education, Central Data Warehouse, October 2013 Data Submission

Gender

What is the gender mix at BCAIU institutions?

Across all BCAIU institutions, females comprised 48 percent of the student population in the 2012-13 academic year. This proportion ranged from lows of 37 percent at BCIT and 39 percent at JIBC, to a high of 71 percent at ECU. At all BCAIU institutions except BCIT and JIBC, females composed more than half of the student population in 2012-13 (see Figure 5). Across all institutions that submit data to the Central Data Warehouse, 53 percent of the student population was female in 2012-13.

Figure 5



Source: Ministry of Advanced Education, Central Data Warehouse, October 2013 Data Submission

Program of Study

What programs of study are offered by BCAIU institutions?

During the academic year 2012-13, 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 of the universities that are part of BCAIU had a different emphasis in terms of program enrolment. VIU had relatively strong enrolment in Developmental programs, which accounted for 37 percent of the student population during the 2012-13 academic year and a further 20 percent of VIU students were enrolled in Arts and Sciences. UFV and KWN had relatively high enrolment concentrations in Arts and Sciences (37% and 39%, respectively) and Business and Management (14% and 29%, respectively). CAP had close to one quarter of its student enrolment in Arts and Sciences (23%) and another 24 percent in programs coded to Personal Improvement and Leisure. A large majority of ECU's enrollment was in Visual and Performing Arts programs (84%).

With respect to the institutes, one-third of NVIT's 2012-13 enrollment was in Arts and Sciences and 21 percent was in Developmental programs. BCIT's emphasis was split three ways: Trades (26%), Engineering and Applied Sciences (24%), and Business and Management (22%). JIBC's focus was on Human and Social Services programs (59%), with a further 14 percent of total enrolment in Health programs and 13 percent in Arts and Sciences.

Table 3: Student Headcount by Program, Academic Years 2009-10 and 2012-13

	BCIT	ECU	CAPU	KWN	UFV	VIU	JIBC	NVIT	BCAIU TOTAL	BCAIU % DIST	ALL INST	BCAIU % ALL INST
2012-2013												
Arts and Sciences	2,955	165	3,625	7,775	6,055	3,880	3,940	530	28,925	19%	71,340	41%
Business & Management	10,100	-	2,770	5,915	2,240	1,870	1,330	175	24,400	16%	54,060	45%
Developmental	3,135	100	1,960	1,525	1,755	7,115	150	340	16,080	10%	50,930	32%
Education	55	-	135	125	835	810	585	-	2,545	2%	6,920	37%
Engineering & Applied Science	11,050	20	240	1,190	795	365	20	25	13,705	9%	27,555	50%
Health	5,440	-	275	985	1,205	670	4,325	150	13,050	8%	31,840	41%
Human & Social Services	780	-	1,555	140	1,740	435	18,010	125	22,785	15%	36,895	62%
Personal Improvement & Leisure		405	3,745	350	305	2,235	-	245	7,285	5%	28,230	26%
Trades	11,840	-	135	1,465	1,165	1,740	1,940	-	18,285	12%	39,940	46%
Visual & Performing Arts	845	3,555	1,490	695	365	270	-	-	7,220	5%	11,700	62%
	46,200	4,245	15,930	20,165	16,460	19,390	30,300	1,590	154,280	100%	359,425*	43%
2011-12												
Arts and Sciences	2,765	155	3,795	8,245	5,525	3,850	3,555	515	28,405	18%	74,090	38%
Business & Management	9,750	-	2,610	5,935	2,135	1,955	1,280	150	23,815	15%	52,675	45%
Developmental	3,020	85	1,925	1,570	1,595	6,980	220	400	15,795	10%	55,375	29%
Education	70	-	110	120	790	750	620	75	2,535	2%	6,935	37%
Engineering & Applied Science	11,020	35	225	970	670	345	20	10	13,295	8%	27,730	48%
Health	5,455	-	385	995	1,345	670	4,345	175	13,370	8%	31,700	42%
Human & Social Services	790	-	1,545	130	1,705	440	23,765	105	28,480	18%	43,265	66%
Personal Improvement & Leisure	15	540	3,645	320	370	1,975	-	195	7,060	4%	30,390	23%
Trades	11,865	-	95	1,350	1,120	1,640	1,875	-	17,945	11%	40,470	44%
Visual & Performing Arts	840	3,655	1,635	685	320	295	-	-	7,430	5%	12,110	61%
	45,590	4,470	15,970	20320	15,575	18,900	35,680	1,625	158,130	100%	374,740	42%

- Includes 15 students coded to category, "Other"

Table 3: Student Headcount by Program, Academic Years 2009-10 and 2012-13, Continued

	BCIT	ECU	CAPU	KWN	UFV	VIU	JIBC	NVIT	BCAIU TOTAL	BCAIU % DIST	ALL INST	BCAIU % ALL INST
2010-11												
Arts and Sciences	2,890	180	3,900	8,130	5,510	3,910	4,240	350	29,110	19%	73,795	39%
Business & Management	9,800	-	2,470	5,490	2,090	2,075	1,490	205	23,620	15%	51,770	46%
Developmental	2,885	80	2,140	1,765	1,645	7,185	255	460	16,415	11%	58,730	28%
Education	55	-	85	130	955	845	475	75	2,620	2%	7,255	36%
Engineering & Applied Science	11,150	25	220	910	630	370	20	25	13,350	9%	26,695	50%
Health	5,195	-	260	1,050	1,265	790	5,020	150	13,730	9%	32,365	42%
Human & Social Services	760	-	1,470	185	1,645	445	17,695	100	22,300	14%	38,605	58%
Personal Improvement & Leisure	5	595	3,190	290	505	2,325	35	310	7,255	5%	31,485	23%
Trades	11,920	-	70	1,280	1,165	1,675	1,825	-	17,935	12%	41,025	44%
Visual & Performing Arts	855	4,085	1,750	695	370	370	-	-	8,125	5%	13,295	61%
	45,515	4,965	15,555	19,925	15,780	19,990	31,055	1,675	154,460	100%	375,020	41%
2009-10												
Arts and Sciences	2,715	150	3,750	8,120	5,675	3,775	4,065	305	28,555	18%	71,975	40%
Business & Management	9,905	-	2,500	5,140	1,995	1,830	990	155	22,515	14%	49,730	45%
Developmental	2,775	70	2,245	1,885	1,860	8,205	165	430	17,635	11%	61,180	29%
Education	55	-	85	150	1,090	765	550	75	2,770	2%	7,330	38%
Engineering & Applied Science	11,025	25	225	840	650	410	85	40	13,300	9%	26,430	50%
Health	5,385	-	240	1,030	1,245	910	4,840	125	13,775	9%	33,130	42%
Human & Social Services	625	-	1,475	180	1,630	435	19,020	150	23,515	15%	38,140	62%
Personal Improvement & Leisure	-	515	3,055	310	470	2,540	-	295	7,185	5%	32,430	22%
Trades	12,300	-	110	1,380	1,180	1,830	1,725	-	18,525	12%	43,895	42%
Visual & Performing Arts	955	4,010	1,645	635	340	360	-	-	7,945	5%	13,615	58%
	45,740	4,770	15,330	19,670	16,135	21,060	31,440	1,575	155,720	100%	377,855	41%

1. Data is from the Ministry of Advanced Education's Central Data Warehouse (CDW), October 2013 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.

Mobility in the System

Where do students go when they leave BCAIU institutions?

The Student Transitions Project has produced an analysis of where students go when they leave a B.C. post-secondary institution. Table 4 provides a summary of the top three B.C. post-secondary destinations of students who left one B.C. post-secondary institution in 2006-07 and enrolled in another for the 2007-08 academic year. The study found that BCIT was the most popular post-secondary institution destination for movers. Overall, 15 percent of movers transferred to BCIT. The next two most popular destinations were Simon Fraser University, with 11 percent, and the University of British Columbia, with 10 percent of all movers.

The data show interesting detail about the patterns of student movements among institutions. For example, BCIT was the most popular destination for students who left three BCAIU institutions: ECU, VIU and JIBC. Simon Fraser University was the most popular destination for students who left CAP, KWN or UFV. While BCIT was the most popular destination for students transferring from Simon Fraser University or the University of British Columbia, students who left BCIT did not tend to select a research university as their next step; they were most likely to enrol at JIBC (15%), Douglas College (13%) or Vancouver Community College (12%).

Table 4: Top Three Destinations of “Movers” in 2007/08 by Institution Last Attended in 2006/07

INSTITUTION WHERE REGISTERED IN 2006/07	Total Reg'd 2006/07 & 2007/08 ¹	Total Movers	2006/07 to 2007/08 Mobility Rate	2007/08 INSTITUTION DESTINATIONS OF MOVERS											
				Most Popular Destination			Second Most Popular Destination			Third Most Popular Destination			All Other Destinations Combined		
BCAIU	59,939	8,588	14%												
British Columbia Institute of Technology	19,817	2,236	11%	JIBC	339	15%	DOUG	284	13%	VCC	273	12%	1,340	60%	
Emily Carr University of Art and Design	1,763	262	15%	BCIT	64	24%	LANG	49	19%	UBC	31	12%	118	45%	
Capilano University	5,284	1,278	24%	SFU	298	23%	UBC	248	19%	BCIT	192	15%	540	42%	
Kwantlen Polytechnic University	10,544	2,161	20%	SFU	524	24%	BCIT	393	18%	UBC	266	12%	978	45%	
University of the Fraser Valley	7,722	801	10%	SFU	138	17%	BCIT	118	15%	KWN	85	11%	460	57%	
Vancouver Island University	6,011	633	11%	BCIT	102	16%	UVIC	90	14%	TRU-OL	85	13%	356	56%	
Justice Institute of BC	8,585	1,147	13%	BCIT	393	34%	DOUG	76	7%	TRU-OL	69	6%	609	53%	
Nicola Valley Institute of Technology	213	70	33%	TRU	21	30%	TRU-OL	10	14%	UVIC	6	9%	33	47%	
Colleges	49,509	9,401	19%												
Camosun College	7,294	1,299	18%	UVIC	713	55%	TRU-OL	96	7%	BCIT	82	6%	408	31%	
College of New Caledonia	2,804	471	17%	UNBC	225	48%	TRU-OL	50	11%	TRU	34	7%	162	34%	
College of the Rockies	1,372	176	13%	UVIC	22	13%	TRU-OL	19	11%	JIBC	18	10%	117	66%	
Douglas College	10,373	2,312	22%	SFU	654	28%	BCIT	446	19%	VCC	211	9%	1,001	43%	
Langara College	7,893	2,234	28%	UBC	652	29%	SFU	401	18%	BCIT	326	15%	855	38%	
North Island College	2,102	320	15%	VIU	98	31%	CAM	37	12%	UVIC	32	10%	153	48%	
Northern Lights College	947	155	16%	CNC	20	13%	TRU-OL	20	13%	OKN	19	12%	96	62%	
Northwest Community College	1,193	246	21%	UNBC	46	19%	CNC	26	11%	TRU-OL	23	9%	151	61%	
Okanagan College	4,616	548	12%	UBCO	196	36%	BCIT	52	9%	TRU	45	8%	255	47%	
Selkirk College	1,696	238	14%	UVIC	32	13%	OKAN	28	12%	TRU-OL	25	11%	153	64%	
Vancouver Community College	9,219	1,402	15%	BCIT	398	28%	DOUG	245	17%	LANG	184	13%	575	41%	
Research Universities	76,283	5,437	7%												
University of British Columbia	35,809	1,839	5%	BCIT	455	25%	LANG	260	14%	SFU	189	10%	935	51%	
University of British Columbia (Okanagan)	3,394	425	13%	UBC	165	39%	OKAN	73	17%	BCIT	26	6%	161	38%	
University of Northern British Columbia	2,722	365	13%	TRU-OL	80	22%	CNC	68	19%	UBC	34	9%	183	50%	
University of Victoria	14,015	1,234	9%	TRU-OL	284	23%	CAM	268	22%	UBC	188	15%	494	40%	
Simon Fraser University	20,343	1,574	8%	BCIT	292	19%	DOUG	237	15%	UBC	233	15%	812	52%	
Other	14,383	2,879	20%												
Royal Roads University	1,650	90	5%	JIBC	26	29%	BCIT	19	21%	TRU-OL	10	11%	35	39%	
Thompson Rivers University	6,425	925	14%	TRU-OL	381	41%	BCIT	83	9%	UBC	59	6%	402	43%	
Thompson Rivers University Open Learning	6,205	1,761	28%	UVIC	259	15%	SFU	170	10%	BCIT	157	9%	1,175	67%	
Institute of Indigenous Government	103	103	100%	NVIT	37	36%	SFU	17	17%	DOUG	12	12%	37	36%	
Grand Total	200,114	26,305	13%	BCIT	3,837	15%	SFU	2,862	11%	UBC	2,694	10%	16,912	64%	

1. Due to single institution attribution per year and the exclusion of students enrolled in graduate programs and those enrolled exclusively in continuing education programs, total registration counts are lower than headcounts reported in Table 2.

2. Source: *Research Results from the Student Transitions Project, December 2009*. Available online at: http://www.aved.gov.bc.ca/student_transitions/documents/stp_highlights_dec09.pdf