

### B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

Detailed Summary of Survey Results

British Columbia Institute of Technology

15.0303: Electrical, electronic and communications engineering technology/technician

#### RESPONSE RATE

Survey Response Rate:	15.0303		BCIT	
Baccalaureate Graduates Survey Cohort	51	100%	909	100%
Survey Respondents and Response Rate	26	51%	426	47%

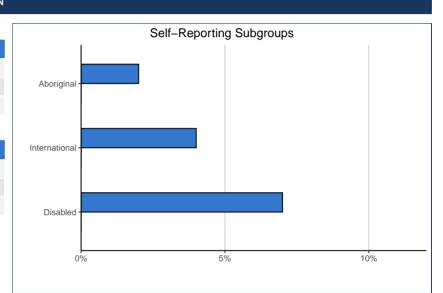


#### DEMOGRAPHIC INFORMATION

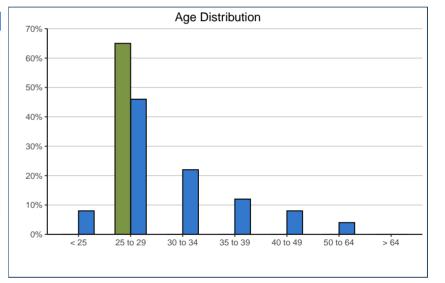
Self-Reporting Subgroups:	15.0303		BCIT	
Disabled	~	~	28	7%
International	~	~	15	4%
Aboriginal	0	0%	6	2%

Gender:*	15.0303		BCIT	
Male	~	~	249	58%
Female	~	~	177	42%
Total	26	100%	426	100%

<sup>\*</sup>Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.

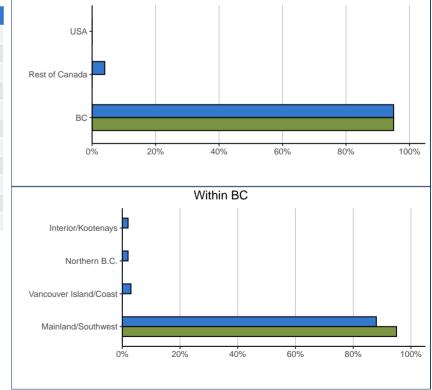


Age (at time of survey):	15.0303		BCIT	
< 25	0	0%	33	8%
25 to 29	17	65%	195	46%
30 to 34	~	~	95	22%
35 to 39	~	~	52	12%
40 to 49	~	~	35	8%
50 to 64	0	0%	16	4%
> 64	0	0%	0	0%
Total	26	100%	426	100%
Median Age	28		29	
Average (mean) Age	29		31	



Place of Residence

Place of Residence (at time of survey):	15.0303		BCIT	
BC - Mainland/Southwest	21	95%	342	88%
BC - Vancouver Island/Coast	0	0%	12	3%
BC – Northern B.C.	0	0%	6	2%
BC – Interior/Kootenays	0	0%	8	2%
BC Subtotal	21	95%	368	95%
Canada – Alberta	~	~	~	~
Canada – Ontario	0	0%	9	2%
Canada – Other	0	0%	7	2%
U.S.A.	0	0%	~	~
Non-BC Subtotal	~	~	21	5%
Total	~	~	389	100%





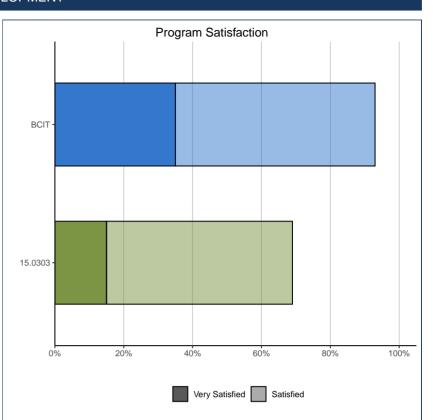


#### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	15.0303		BCIT	
Very Satisfied	4	15%	146	35%
Satisfied	14	54%	244	58%
Dissatisfied	7	27%	28	7%
Very Dissatisfied	1	4%	3	1%
Total	26	100%	421	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	15.0303		BCIT	
Very Useful	7	28%	208	52%
Somewhat Useful	12	48%	158	39%
Not Very Useful	5	20%	31	8%
Not at All Useful	1	4%	6	1%
Total	25	100%	403	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	15.	15.0303		всіт	
Yes	4	15%	60	14%	
No	22	85%	355	86%	



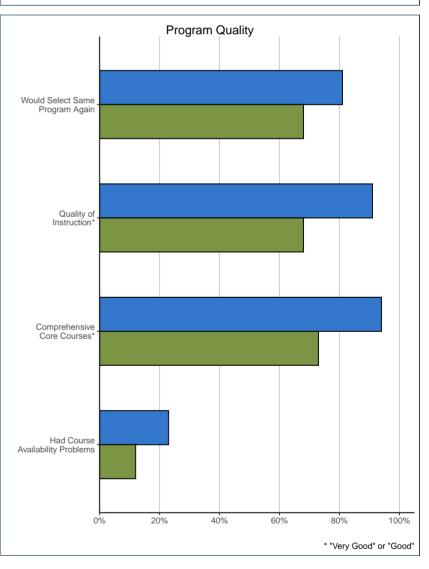
Would select the same program again:	15.0303		BCIT	
Yes	15	68%	312	81%
No	7	32%	75	19%

Quality of Instruction:	15.	15.0303		CIT
Very Good	3	12%	116	27%
Good	14	56%	272	64%
Poor	8	32%	30	7%
Very Poor	0	0%	4	1%
Total	25	100%	422	100%

Comprehensiveness of Core Courses:	15.0	15.0303		CIT
Very Good	4	15%	140	33%
Good	15	58%	258	61%
Poor	6	23%	22	5%
Very Poor	1	4%	4	1%
Total	26	100%	424	100%

Course Availability:	15.0303		BCIT	
Encountered course availability problems	3	12%	98	23%

Financial Constraints:	15.0303		ВС	CIT
Had to interrupt studies for financial reasons	5	19%	41	10%
Had to take program part-time for financial reasons	8	32%	76	18%



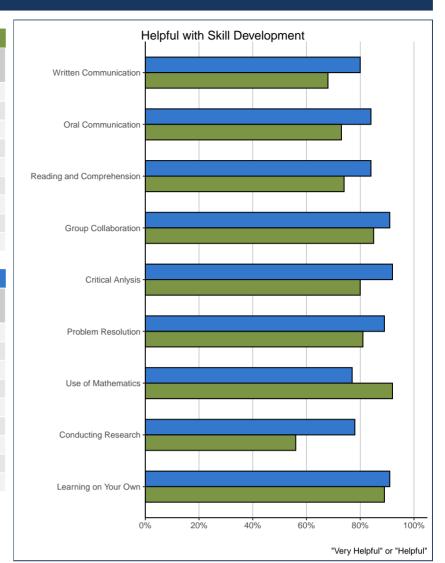




#### SKILL DEVELOPMENT

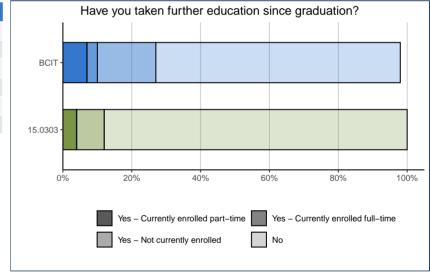
			15.0303		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	16%	52%	24%	8%	25
Oral Communication	15%	58%	19%	8%	26
Reading and Comprehension	12%	62%	19%	8%	26
Group Collaboration	27%	58%	12%	4%	26
Critical Anlysis	42%	38%	19%	0%	26
Problem Resolution	27%	54%	12%	8%	26
Use of Mathematics	38%	54%	4%	4%	26
Conducting Research	20%	36%	32%	12%	25
Learning on Your Own	58%	31%	4%	8%	26

			BCIT		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	22%	58%	16%	4%	411
Oral Communication	23%	61%	13%	3%	412
Reading and Comprehension	21%	63%	14%	2%	408
Group Collaboration	39%	52%	7%	2%	424
Critical Anlysis	43%	49%	6%	1%	421
Problem Resolution	29%	60%	9%	1%	418
Use of Mathematics	26%	51%	20%	3%	367
Conducting Research	22%	56%	19%	4%	399
Learning on Your Own	39%	52%	7%	1%	414

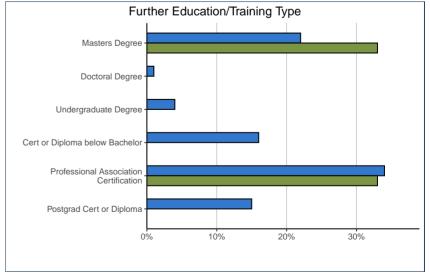


#### **FURTHER EDUCATION**

Took further education since 2020 graduation:	15.0303		BCIT	
Yes	3	12%	122	29%
Not currently enrolled	2	8%	74	17%
Currently enrolled full-time	0	0%	12	3%
Currently enrolled part-time	1	4%	31	7%
No	23	88%	303	71%
Total	26	100%	425	100%



Type of Formal Post–Secondary Education:		15.0303		CIT
Masters Degree	1	33%	26	22%
Doctoral Degree	0	0%	1	1%
Another Undergraduate Degree	0	0%	5	4%
Certificate or Diploma below Bachelor level	0	0%	19	16%
Professional Association Certification	1	33%	41	34%
Postgraduate Certificate or Diploma	0	0%	18	15%
Other	1	33%	10	8%
Total	3	100%	120	100%





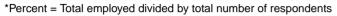
2.2%



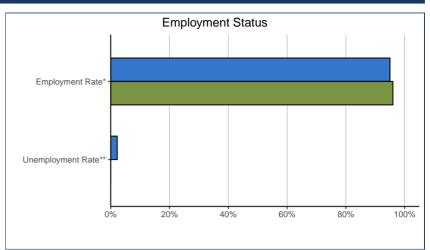
#### **EMPLOYMENT**

0.0%

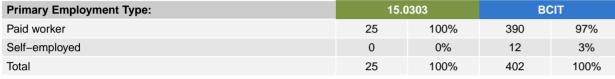
Labour Fource Status:	15.0303		BCIT	
In Labour Force (working or seeking work)	25	100%	413	97%
Not in Labour Force	0	0%	12	3%
Total	25	100%	425	100%
Employment:	15.0303		В	CIT
Employment Rate*	25	96%	404	95%



<sup>\*\*</sup>Percent = Total unemployed divided by total number in Labour Force



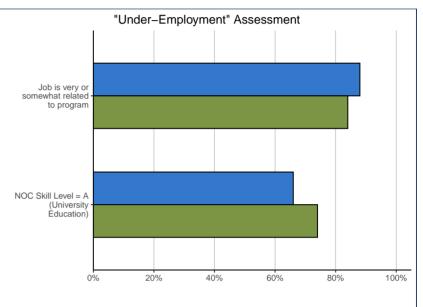
Status of Graduates NOT in Labour Force:	15.0303		BCIT	
Attending School FT	0	0%	5	42%
Attending School PT	0	0%	0	0%
Other	0	0%	7	58%
Total NOT in Labour Force	0	0%	12	100%



Job Characteristics:	15.	15.0303		CIT
I hold more than one job*	2	8%	47	12%
My main job is full-time (>= 30 hours per week)**	22	96%	373	95%

<sup>\*</sup>Of total Employed

Unemployment Rate\*\*



How related is your main job to your program?	15.0303		BCIT	
Very Related	7	28%	231	57%
Somewhat Related	14	56%	126	31%
Not Very Related	4	16%	28	7%
Not at All Related	0	0%	19	5%
Total	25	100%	404	100%

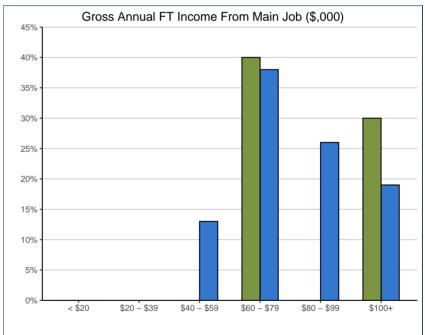
"Under-employment" Assessment:	15.0303		BCIT	
Job is very or somewhat related to program	21	84%	357	88%
NOC Skill Level = A (University Education)*	17	74%	255	66%

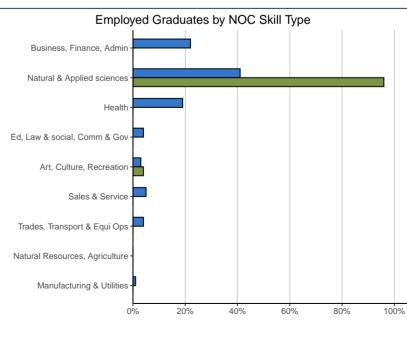
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	15.0303		BCIT	
Less than \$20,000	0	0%	~	~
\$20,000 to \$39,999	0	0%	~	~
\$40,000 to \$59,999	~	~	41	13%
\$60,000 to \$79,999	8	40%	120	38%
\$80,000 to \$99,999	~	~	83	26%
\$100,000 and Above	6	30%	60	19%
Total	20	100%	318	100%
Median Annual Income (full-time) (\$)	85,734		78,210	
Average Annual Income (full-time) (\$)	92,842		83,710	

<sup>\*</sup>Where data provided

NOC Skill Type of Main Job:	15.0303		BCIT	
Business, finance & administration	0	0%	83	22%
Natural & applied sciences & related	22	96%	160	41%
Health	0	0%	75	19%
Education, law and social, community & government	0	0%	16	4%
Art, culture, recreation & sport	1	4%	13	3%
Sales & service	0	0%	21	5%
Trades, transport & equipment operators & related	0	0%	15	4%
Natural resources, agriculture & related production	0	0%	0	0%
Manufacturing & utilities	0	0%	3	1%
Total	23	100%	386	100%





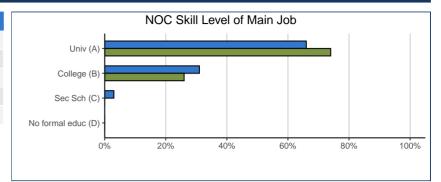
<sup>\*\*</sup>Of those who provided data on hours/week worked



BCIT 15.0303

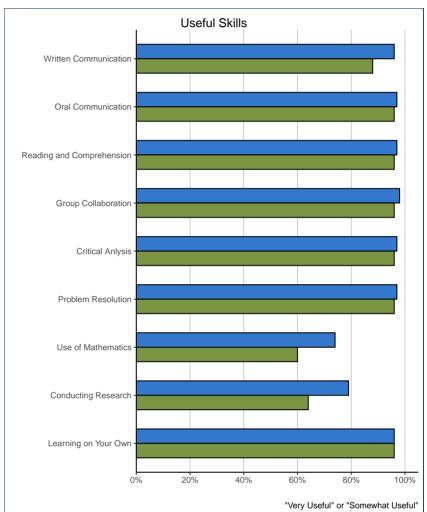
#### EMPLOYMENT, continued

NOC Skill Level of Main Job:	15.0303		BCIT	
A. University education		74%	255	66%
B. College education/trade apprenticeship	6	26%	120	31%
C. Secondary school + job-specific training	0	0%	12	3%
D. No formal education	0	0%	1	0%
Total	23	100%	388	100%



	15.0303				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	72%	16%	8%	4%	25
Oral Communication	80%	16%	0%	4%	25
Reading and Comprehension	76%	20%	0%	4%	25
Group Collaboration	76%	20%	0%	4%	25
Critical Anlysis	72%	24%	0%	4%	25
Problem Resolution	72%	24%	0%	4%	25
Use of Mathematics	36%	24%	20%	20%	25
Conducting Research	36%	28%	24%	12%	25
Learning on Your Own	68%	28%	0%	4%	25

	BCIT				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	71%	25%	3%	1%	402
Oral Communication	74%	23%	3%	1%	399
Reading and Comprehension	69%	28%	2%	1%	402
Group Collaboration	76%	22%	2%	0%	401
Critical Anlysis	77%	20%	2%	1%	401
Problem Resolution	77%	20%	1%	1%	401
Use of Mathematics	35%	39%	19%	8%	392
Conducting Research	37%	42%	14%	7%	393
Learning on Your Own	63%	33%	2%	1%	399



Top 10 Full-time Occupations of 15.0303 Graduates:		15.0303	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2133	A	Electrical and electronics engineers	44%
2241	В	Electrical and electronics engineering technologists and technicians	20%
*			
*			
*			
*			
*			
*			
*			
*			

<sup>\*</sup> Data not displayed where n < 5

<sup>\*\*</sup> Percentages cited are of those employed

Top 10 Full-time Occupations of BCIT Graduates:			BCIT
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	Α	Registered nurses and registered psychiatric nurses	13%
1111	Α	Financial auditors and accountants	8%
2234	В	Construction estimators	4%
2131	Α	Civil engineers	3%
2174	Α	Computer programmers and interactive media developers	3%
XXXX	0	Unclassified occupations	3%
2133	Α	Electrical and electronics engineers	3%
2173	Α	Software engineers and designers	3%
2132	Α	Mechanical engineers	3%
0711	A	Construction managers	2%

<sup>\*</sup> Data not displayed where n < 5

<sup>\*\*</sup> Percentages cited are of those employed





#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	15.	15.0303		BCIT	
Personal savings, investments		36%	183	44%	
Employment while studying		32%	191	46%	
Family/Friends	11	44%	186	45%	
Personal bank loans	3	12%	33	8%	
Government student loans	9	36%	141	34%	
Scholarships/Bursaries/Grants	6	24%	85	21%	
Other	13	52%	88	21%	
Total	25		414		

<sup>\*</sup> Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	15.0303		В	BCIT	
Incurred any form of financial debt	15	58%	190	46%	
Incurred government-sponsored student loan debt	11	42%	156	37%	

<sup>\*</sup> Percentage of respondents who provided data



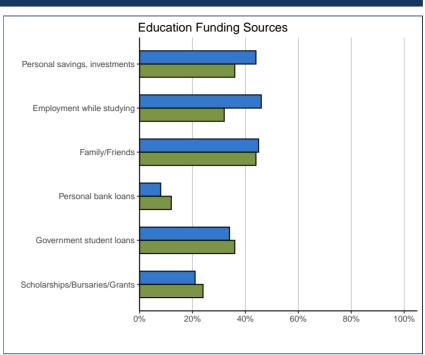
<sup>\*</sup> Includes only cases where financial debt was incurred

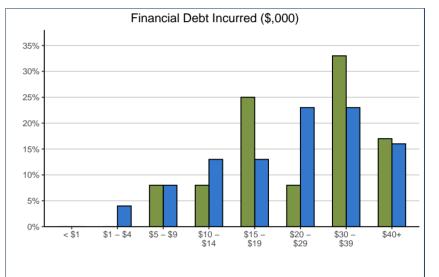


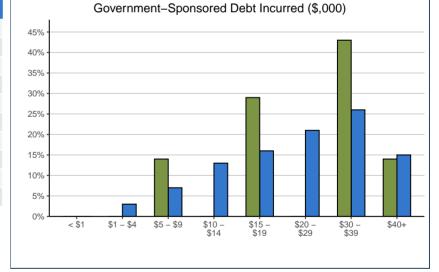
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

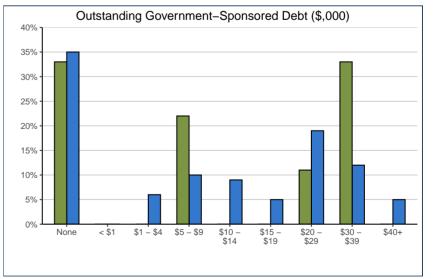


<sup>\*</sup> Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









<sup>\*\*</sup> Median amounts shown are based on those who had remaining government student loan debt