

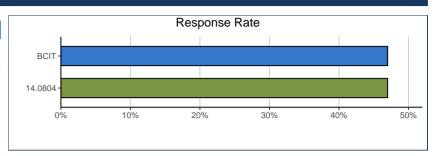
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

14.0804

Detailed Summary of Survey Results
British Columbia Institute of Technology
14.0804: Transportation and highway engineering

RESPONSE RATE

Survey Response Rate:	14.0804		BCIT	
Baccalaureate Graduates Survey Cohort	36	100%	909	100%
Survey Respondents and Response Rate	17	47%	426	47%

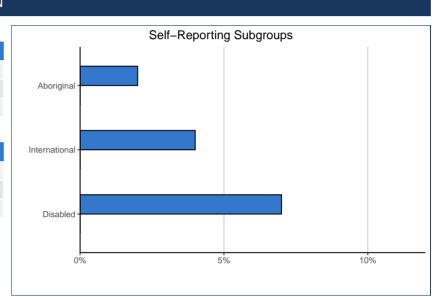


DEMOGRAPHIC INFORMATION

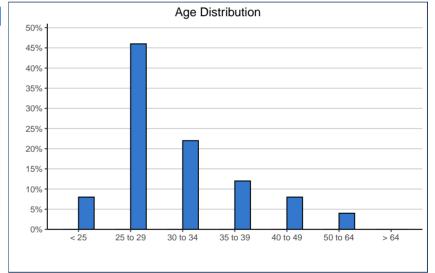
Self-Reporting Subgroups:	14.0804		BCIT	
Disabled	~	~	28	7%
International	0	0%	15	4%
Aboriginal	0	0%	6	2%

Gender:*	14.0804		BCIT	
Male	~	~	249	58%
Female	~	~	177	42%
Total	17	100%	426	100%

^{*}Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.

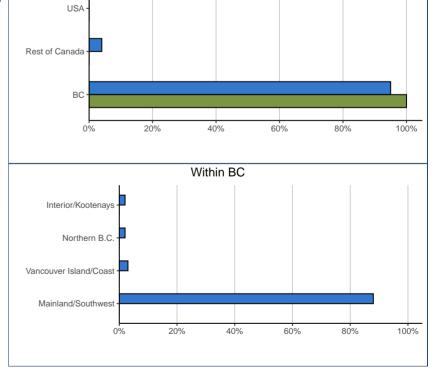


Age (at time of survey):	14.0804		BCIT	
< 25	~	~	33	8%
25 to 29	~	~	195	46%
30 to 34	~	~	95	22%
35 to 39	0	0%	52	12%
40 to 49	0	0%	35	8%
50 to 64	0	0%	16	4%
> 64	0	0%	0	0%
Total	17	100%	426	100%
Median Age	26		29	
Average (mean) Age	26		31	



Place of Residence

Place of Residence (at time of survey):	14.	14.0804		BCIT	
BC - Mainland/Southwest	~	~ ~		88%	
BC – Vancouver Island/Coast	~	~	12	3%	
BC – Northern B.C.	~	~	6	2%	
BC – Interior/Kootenays	~	~	8	2%	
BC Subtotal	17	100%	368	95%	
Canada – Alberta	0	0%	~	~	
Canada – Ontario	0	0%	9	2%	
Canada - Other	0	0%	7	2%	
U.S.A.	0	0%	~	~	
Non-BC Subtotal	0	0%	21	5%	
Total	17	100%	389	100%	





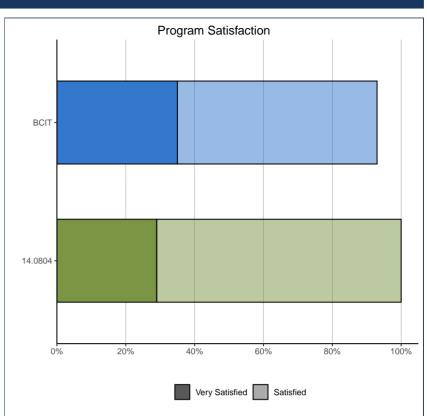


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0804		BCIT	
Very Satisfied	5	29%	146	35%
Satisfied	12	71%	244	58%
Dissatisfied	0	0%	28	7%
Very Dissatisfied	0	0%	3	1%
Total	17	100%	421	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0804		BCIT	
Very Useful	7	44%	208	52%
Somewhat Useful	7	44%	158	39%
Not Very Useful	2	13%	31	8%
Not at All Useful	0	0%	6	1%
Total	16	100%	403	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.0804		всіт	
Yes	0	0%	60	14%	
No	16	100%	355	86%	



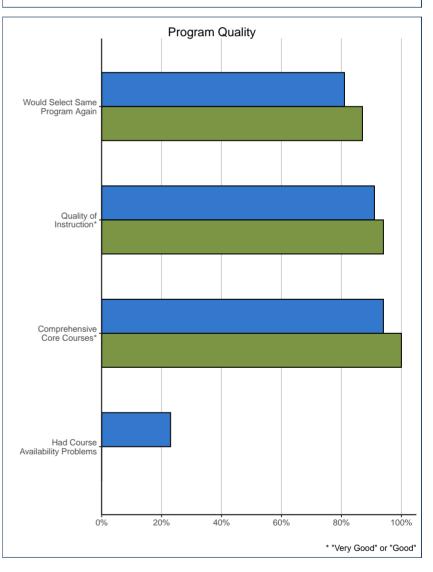
Would select the same program again:	14.0804		BCIT	
Yes	13	87%	312	81%
No	2	13%	75	19%

Quality of Instruction:	14.0	14.0804		BCIT	
Very Good	2	2 12%		27%	
Good	14	82%	272	64%	
Poor	1	6%	30	7%	
Very Poor	0	0%	4	1%	
Total	17	100%	422	100%	

Comprehensiveness of Core Courses:	14.0	14.0804		BCIT	
Very Good	6	35%	140	33%	
Good	11	65%	258	61%	
Poor	0	0%	22	5%	
Very Poor	0	0%	4	1%	
Total	17	100%	424	100%	

Course Availability:	14.0804		BCIT	
Encountered course availability problems	0	0%	98	23%

Financial Constraints:	14.0804		В	CIT
Had to interrupt studies for financial reasons	0	0%	41	10%
Had to take program part-time for financial reasons	1	6%	76	18%

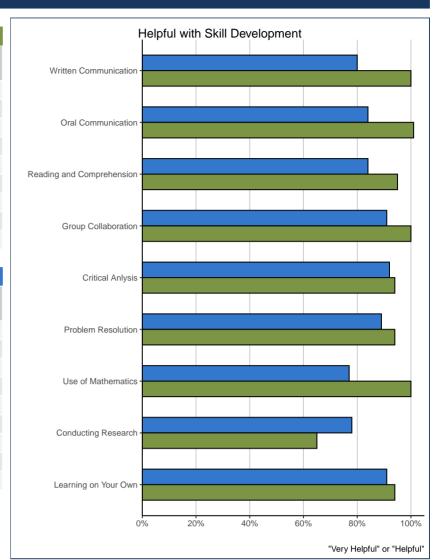




SKILL DEVELOPMENT

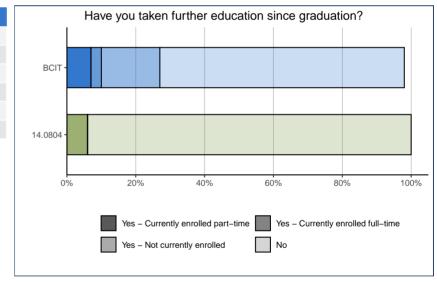
			14.0804		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	59%	41%	0%	0%	17
Oral Communication	13%	88%	0%	0%	16
Reading and Comprehension	24%	71%	6%	0%	17
Group Collaboration	35%	65%	0%	0%	17
Critical Anlysis	65%	29%	6%	0%	17
Problem Resolution	47%	47%	7%	0%	15
Use of Mathematics	59%	41%	0%	0%	17
Conducting Research	12%	53%	35%	0%	17
Learning on Your Own	50%	44%	6%	0%	16

			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

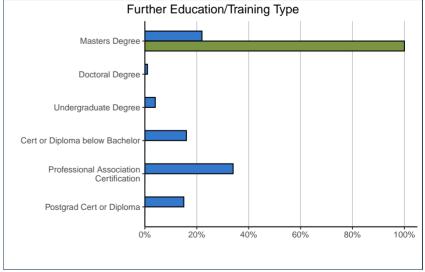


FURTHER EDUCATION

Took further education since 2020 graduation:	14.0804		BCIT	
Yes	1	6%	122	29%
Not currently enrolled	0	0%	74	17%
Currently enrolled full-time	1	6%	12	3%
Currently enrolled part-time	0	0%	31	7%
No	16	94%	303	71%
Total	17	100%	425	100%



Type of Formal Post–Secondary Education:	14	14.0804		CIT
Masters Degree	1	100%	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	0	0%	41	34%
Postgraduate Certificate or Diploma	0	0%	18	15%
Other	0	0%	10	8%
Total	1	100%	120	100%





EMPLOYMENT

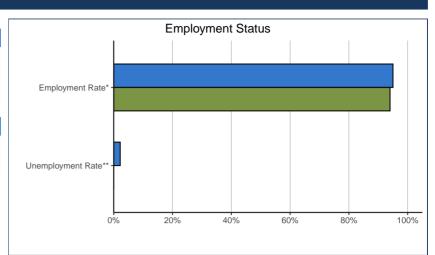
2.2%

0.0%

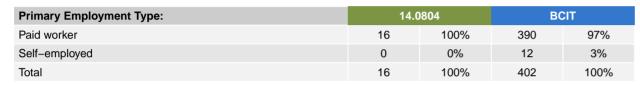
Labour Fource Status:	14.0804		BCIT			
In Labour Force (working or seeking work)	16	94%	413	97%		
Not in Labour Force	1	6%	12	3%		
Total	17	100%	425	100%		
Employment:	14.0804		14.0804		В	CIT
Employment Rate*	16	94%	404	95%		



^{**}Percent = Total unemployed divided by total number in Labour Force

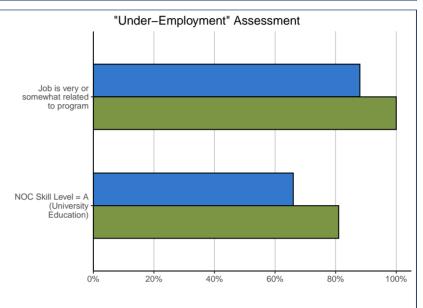


Status of Graduates NOT in Labour Force:	14.0804		В	CIT
Attending School FT	1	100%	5	42%
Attending School PT	0	0%	0	0%
Other	0	0%	7	58%
Total NOT in Labour Force	1	100%	12	100%



Job Characteristics:	14.	14.0804		CIT
I hold more than one job*	0	0%	47	12%
My main job is full-time (>= 30 hours per week)**	16	100%	373	95%

^{*}Of total Employed



How related is your main job to your program?	14.0804		BCIT	
Very Related	14	88%	231	57%
Somewhat Related	2	13%	126	31%
Not Very Related	0	0%	28	7%
Not at All Related	0	0%	19	5%
Total	16	100%	404	100%

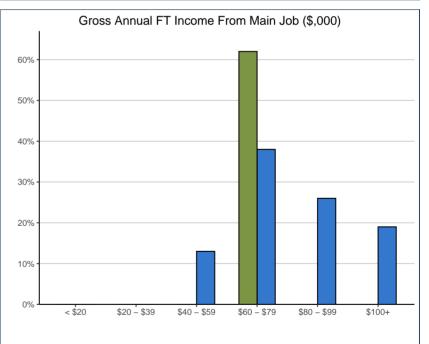
"Under-employment" Assessment:	14.0804		BCIT	
Job is very or somewhat related to program	16	100%	357	88%
NOC Skill Level = A (University Education)*	13	81%	255	66%

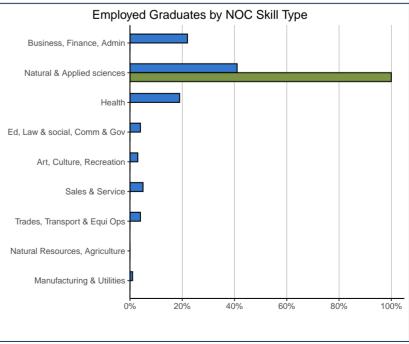
^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.0	14.0804		CIT
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	62%	120	38%
\$80,000 to \$99,999	~	~	83	26%
\$100,000 and Above	0	0%	60	19%
Total	13	100%	318	100%
Median Annual Income (full-time) (\$)	75,000		78,210	
Average Annual Income (full-time) (\$)	75,484		83,710	

*Where data provided

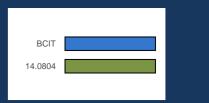
NOC Skill Type of Main Job:	14.0804		BCIT	
Business, finance & administration	0	0%	83	22%
Natural & applied sciences & related	16	100%	160	41%
Health	0	0%	75	19%
Education, law and social, community & government	0	0%	16	4%
Art, culture, recreation & sport	0	0%	13	3%
Sales & service	0	0%	21	5%
Trades, transport & equipment operators & related	0	0%	15	4%
Natural resources, agriculture & related production	0	0%	0	0%
Manufacturing & utilities	0	0%	3	1%
Total	16	100%	386	100%





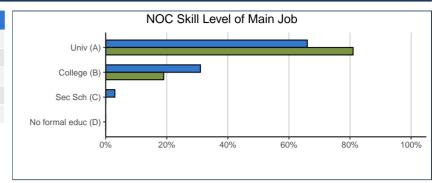
^{**}Of those who provided data on hours/week worked





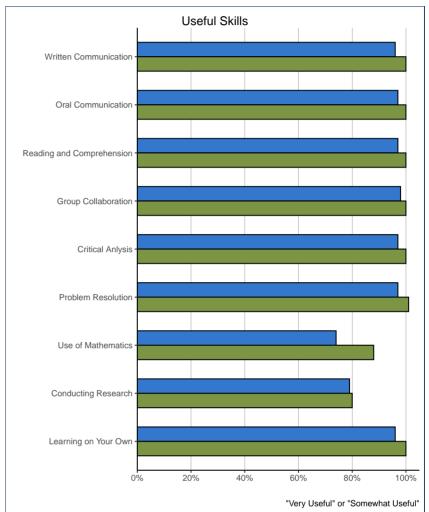
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0804		BCIT	
A. University education	13	81%	255	66%
B. College education/trade apprenticeship	3	19%	120	31%
C. Secondary school + job-specific training	0	0%	12	3%
D. No formal education	0	0%	1	0%
Total	16	100%	388	100%



	14.0804				
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	94%	6%	0%	0%	16
Oral Communication	81%	19%	0%	0%	16
Reading and Comprehension	94%	6%	0%	0%	16
Group Collaboration	75%	25%	0%	0%	16
Critical Anlysis	94%	6%	0%	0%	16
Problem Resolution	88%	13%	0%	0%	16
Use of Mathematics	50%	38%	13%	0%	16
Conducting Research	27%	53%	13%	7%	15
Learning on Your Own	75%	25%	0%	0%	16

	всіт				
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-t	time Occupations of 14.0804	Graduates:	14.0804
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2131	A	Civil engineers	75%
*			
*			
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^{*} Data not displayed where n < 5

^{**} 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	A	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	A	Computer programmers and interactive media developers	3%
XXXX	0	Unclassified occupations	3%
2133	A	Electrical and electronics engineers	3%
2173	A	Software engineers and designers	3%
2132	Α	Mechanical engineers	3%
0711	A	Construction managers	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



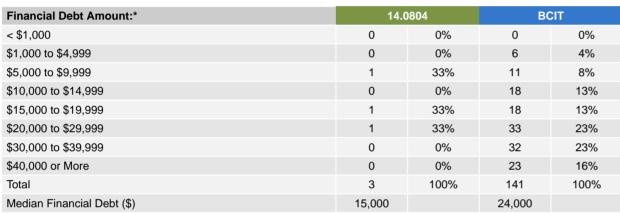
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.0804		BCIT	
Personal savings, investments		47%	183	44%
Employment while studying		35%	191	46%
Family/Friends	12	71%	186	45%
Personal bank loans	1	6%	33	8%
Government student loans	4	24%	141	34%
Scholarships/Bursaries/Grants	2	12%	85	21%
Other	2	12%	88	21%
Total	17		414	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0804		BCIT	
Incurred any form of financial debt	5	29%	190	46%
Incurred government-sponsored student loan debt	4	24%	156	37%

^{*} Percentage of respondents who provided data



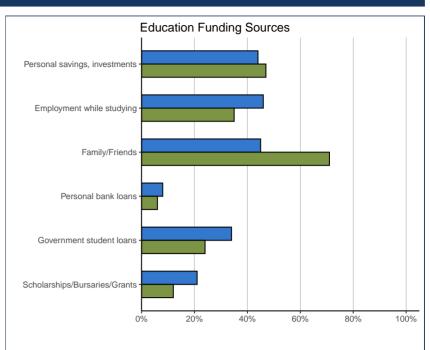
^{*} Includes only cases where financial debt was incurred

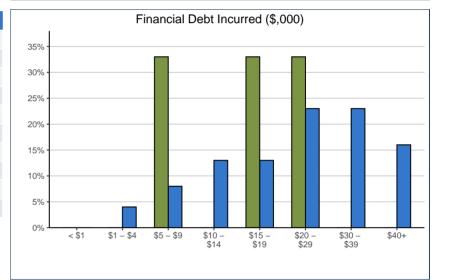


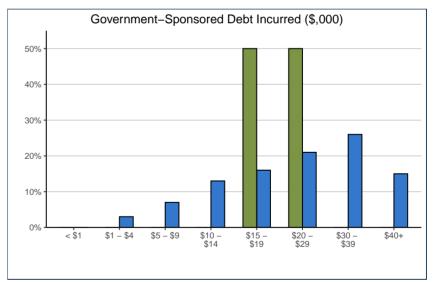
^{*} Includes only cases where government-sponsored debt was incurred

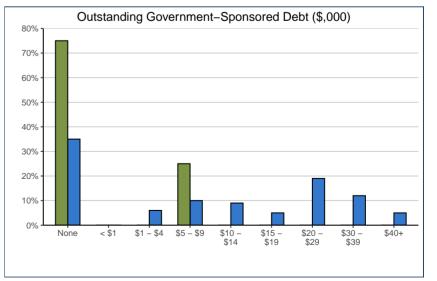


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









^{**} Median amounts shown are based on those who had remaining government student loan debt