

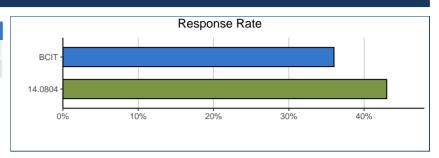
B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

BCIT 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	23	100%	875	100%
Survey Respondents and Response Rate	10	43%	319	36%

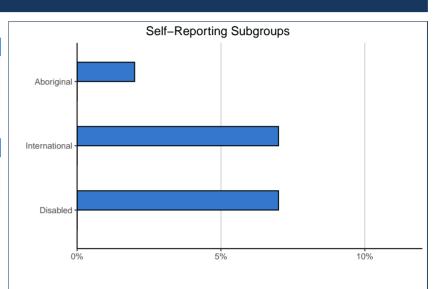


DEMOGRAPHIC INFORMATION

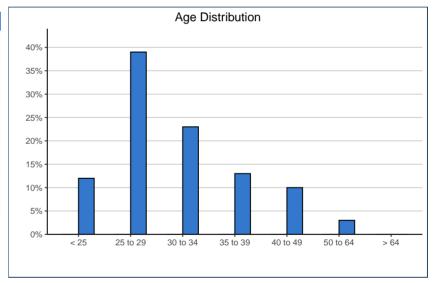
Self-Reporting Subgroups:	14.0804		BCIT	
Disabled	0	0%	22	7%
International	0	0%	22	7%
Aboriginal	~	~	5	2%

Gender:*	14.0804		BCIT	
Male	~	~	180	56%
Female	~	~	139	44%
Total	10	100%	319	100%

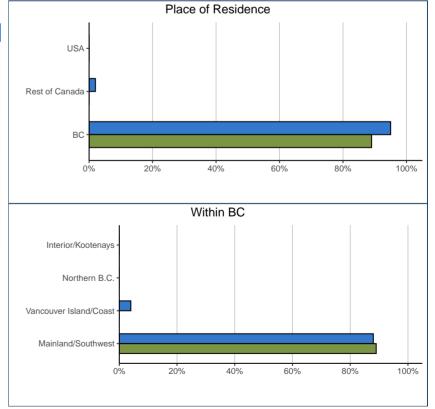
^{*}Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.



Age (at time of survey):	14.0804		BCIT	
< 25	~	~	37	12%
25 to 29	~	~	126	39%
30 to 34	~	~	73	23%
35 to 39	0	0%	41	13%
40 to 49	0	0%	31	10%
50 to 64	0	0%	11	3%
> 64	0	0%	0	0%
Total	10	100%	319	100%
Median Age	26		29	
Average (mean) Age	26		31	



Place of Residence (at time of survey):	ce of Residence (at time of survey): 14.0804		BCIT		
BC - Mainland/Southwest	8	89%	255	88%	
BC - Vancouver Island/Coast	0	0%	13	4%	
BC – Northern B.C.	0	0%	~	~	
BC – Interior/Kootenays	0	0%	~	~	
BC Subtotal	8	89%	277	95%	
Canada – Alberta	~	~	7	2%	
Canada – Ontario	0	0%	~	~	
Canada – Other	0	0%	~	~	
U.S.A.	0	0%	0	0%	
Non-BC Subtotal	~	~	14	5%	
Total	~	~	291	100%	





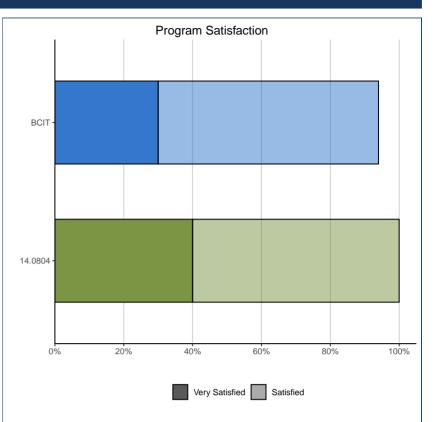


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0804		BCIT	
Very Satisfied	4	40%	93	30%
Satisfied	6	60%	201	64%
Dissatisfied	0	0%	13	4%
Very Dissatisfied	0	0%	8	3%
Total	10	100%	315	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0804		всіт	
Very Useful	8	80%	152	51%
Somewhat Useful	1	10%	120	40%
Not Very Useful	1	10%	18	6%
Not at All Useful	0	0%	7	2%
Total	10	100%	297	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0	14.0804		всіт	
Yes	0	0%	41	13%	
No	10	100%	266	87%	



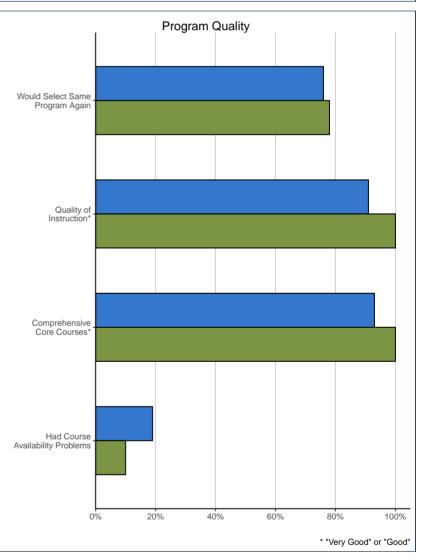
Would select the same program again:	14.0804		BCIT	
Yes	7	78%	220	76%
No	2	22%	69	24%

Quality of Instruction:	14.0	14.0804		BCIT	
Very Good	2	20%	74	23%	
Good	8	80%	215	68%	
Poor	0	0%	23	7%	
Very Poor	0	0%	5	2%	
Total	10	100%	317	100%	

Comprehensiveness of Core Courses:	14.	14.0804		BCIT	
Very Good	3	30%	89	28%	
Good	7	70%	206	65%	
Poor	0	0%	17	5%	
Very Poor	0	0%	3	1%	
Total	10	100%	315	100%	

Course Availability:	14.0804		BCIT		
Encountered course availability problems	1	10%	58	19%	

Financial Constraints:	14.0804		ВС	CIT
Had to interrupt studies for financial reasons	1	10%	24	8%
Had to take program part-time for financial reasons	1	10%	59	19%



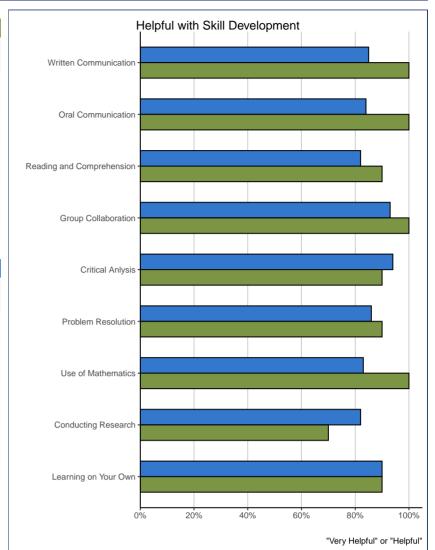




SKILL DEVELOPMENT

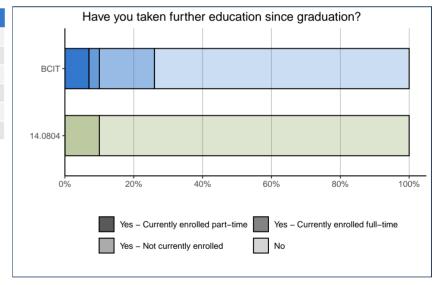
			14.0804		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	50%	50%	0%	0%	10
Oral Communication	22%	78%	0%	0%	9
Reading and Comprehension	30%	60%	10%	0%	10
Group Collaboration	60%	40%	0%	0%	10
Critical Anlysis	40%	50%	10%	0%	10
Problem Resolution	40%	50%	10%	0%	10
Use of Mathematics	40%	60%	0%	0%	10
Conducting Research	0%	70%	30%	0%	10
Learning on Your Own	30%	60%	10%	0%	10

			BCIT		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	58%	12%	3%	303
Oral Communication	27%	57%	16%	0%	303
Reading and Comprehension	24%	58%	16%	2%	299
Group Collaboration	49%	44%	6%	1%	310
Critical Anlysis	39%	55%	5%	1%	315
Problem Resolution	31%	55%	12%	1%	306
Use of Mathematics	29%	54%	14%	3%	272
Conducting Research	28%	54%	14%	4%	304
Learning on Your Own	40%	50%	7%	3%	309

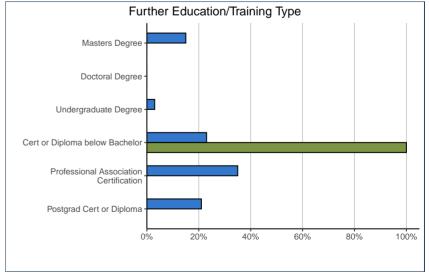


FURTHER EDUCATION

Took further education since 2021 graduation:	14.0804		BCIT	
Yes	1	10%	84	26%
Not currently enrolled	1	10%	51	16%
Currently enrolled full-time	0	0%	10	3%
Currently enrolled part-time	0	0%	22	7%
No	9	90%	233	74%
Total	10	100%	317	100%



Type of Formal Post–Secondary Education:	14	14.0804		CIT
Masters Degree	0	0%	12	15%
Doctoral Degree	0	0%	0	0%
Another Undergraduate Degree	0	0%	2	3%
Certificate or Diploma below Bachelor level	1	100%	18	23%
Professional Association Certification	0	0%	28	35%
Postgraduate Certificate or Diploma	0	0%	17	21%
Other	0	0%	3	4%
Total	1	100%	80	100%



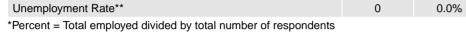


EMPLOYMENT

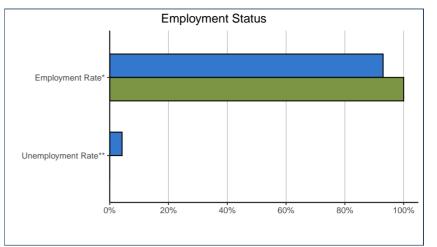
13

4.2%

Labour Fource Status:	14.0804		BCIT			
In Labour Force (working or seeking work)	10	100%	310	98%		
Not in Labour Force	0	0%	7	2%		
Total	10	100%	317	100%		
Employment:	14.0804		14.0804		ВС	CIT
Employment Rate*	10	100%	297	93%		





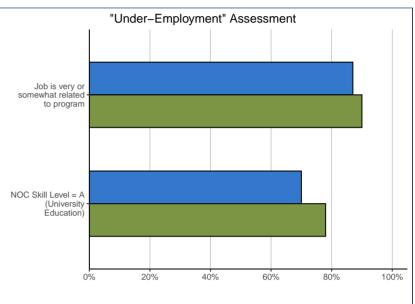


Status of Graduates NOT in Labour Force:	14.0804		BCIT	
Attending School FT	0	0%	3	43%
Attending School PT	0	0%	0	0%
Other	0	0%	4	57%
Total NOT in Labour Force	0	0%	7	100%

Primary Employment Type:	14.0804		BCIT	
Paid worker	9	90%	285	96%
Self-employed	1	10%	12	4%
Total	10	100%	297	100%

Job Characteristics:	14.0804		BCIT	
I hold more than one job*	0	0%	34	11%
My main job is full-time (>= 30 hours per week)**	9	100%	278	97%

^{*}Of total Employed



How related is your main job to your program?	14.0804		BCIT	
Very Related	9	90%	171	58%
Somewhat Related	0	0%	88	30%
Not Very Related	0	0%	24	8%
Not at All Related	1	10%	14	5%
Total	10	100%	297	100%

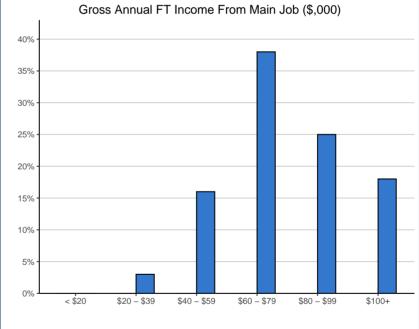
"Under-employment" Assessment:	14.0804		BCIT	
Job is very or somewhat related to program	9	90%	259	87%
NOC Skill Level = A (University Education)*	7	78%	196	70%

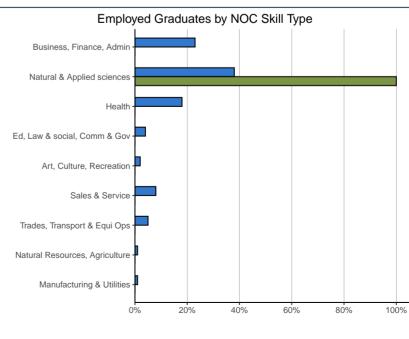
^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.	14.0804		BCIT	
Less than \$20,000	0	0%	0	0%	
\$20,000 to \$39,999	0	0%	7	3%	
\$40,000 to \$59,999	0	0%	36	16%	
\$60,000 to \$79,999	~	~	87	38%	
\$80,000 to \$99,999	~	~	58	25%	
\$100,000 and Above	0	0%	40	18%	
Total	8	100%	228	100%	
Median Annual Income (full-time) (\$)	83,080		75,000		
Average Annual Income (full-time) (\$)	81,678		83,492		

^{*}Where data provided

NOC Skill Type of Main Job:	14	14.0804		BCIT	
Business, finance & administration	0 0%			23%	
Natural & applied sciences & related	9	100%	107	38%	
Health		0%	51	18%	
Education, law and social, community & government		0%	10	4%	
Art, culture, recreation & sport	0	0%	6	2%	
Sales & service		0%	21	8%	
Trades, transport & equipment operators & related	0	0%	14	5%	
Natural resources, agriculture & related production	0	0%	2	1%	
Manufacturing & utilities	0	0%	4	1%	
Total	9	100%	280	100%	





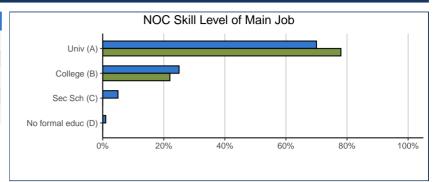
^{**}Of those who provided data on hours/week worked





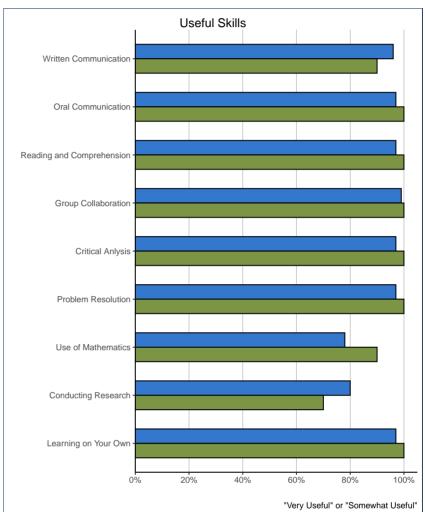
EMPLOYMENT, continued

NOC Skill Level of Main Job:		14.0804		CIT
A. University education	7 78%		196	70%
B. College education/trade apprenticeship	2	22%	70	25%
C. Secondary school + job-specific training	0	0%	13	5%
D. No formal education	0	0%	3	1%
Total	9	100%	282	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	70%	20%	10%	0%	10
Oral Communication	80%	20%	0%	0%	10
Reading and Comprehension	90%	10%	0%	0%	10
Group Collaboration	90%	10%	0%	0%	10
Critical Anlysis	90%	10%	0%	0%	10
Problem Resolution	90%	10%	0%	0%	10
Use of Mathematics	70%	20%	10%	0%	10
Conducting Research	10%	60%	30%	0%	10
Learning on Your Own	70%	30%	0%	0%	10

	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	72%	24%	3%	2%	296
Oral Communication	77%	20%	2%	1%	296
Reading and Comprehension	73%	24%	2%	1%	296
Group Collaboration	78%	21%	1%	1%	295
Critical Anlysis	81%	16%	2%	1%	296
Problem Resolution	82%	15%	2%	1%	296
Use of Mathematics	34%	44%	14%	8%	289
Conducting Research	37%	43%	14%	5%	294
Learning on Your Own	66%	31%	1%	2%	296



Top 10 Full-t	ime Occupations of 14.0804	raduates:	14.0804
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2131	A	Civil engineers	70%
*			
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^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed

Top 10 Full-time Occupations of BCIT Graduates:			ВСІТ
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	7%
0711	Α	Construction managers	3%
2131	Α	Civil engineers	3%
2263	В	Inspectors in public and environmental health and occupational health and safety	3%
2171	A	Information systems analysts and consultants	3%
XXXX	0	Unclassified occupations	3%
0213	A	Computer and information systems managers	3%
2133	Α	Electrical and electronics engineers	3%
2132	A	Mechanical engineers	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



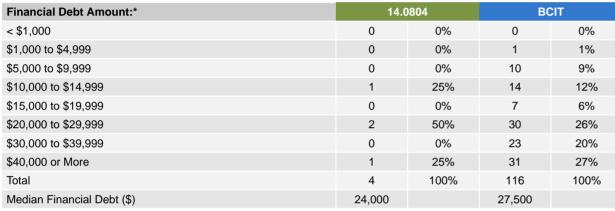
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.0804		CIT
Personal savings, investments	3	3 30%		46%
Employment while studying	ployment while studying 4 40%		138	44%
Family/Friends	4	40%	145	46%
Personal bank loans	0	0%	19	6%
Government student loans	7	70%	124	40%
Scholarships/Bursaries/Grants	5	50%	58	19%
Other	0	0%	51	16%
Total	10		313	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0804		BCIT	
Incurred any form of financial debt	7	70%	152	48%
Incurred government-sponsored student loan debt	7	70%	133	42%

^{*} Percentage of respondents who provided data



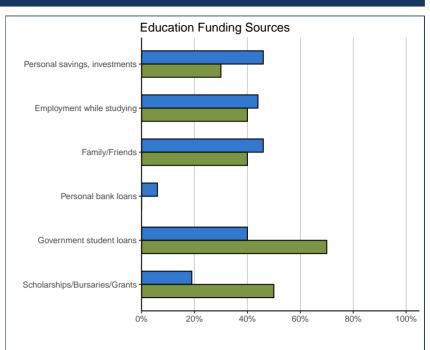
^{*} Includes only cases where financial debt was incurred

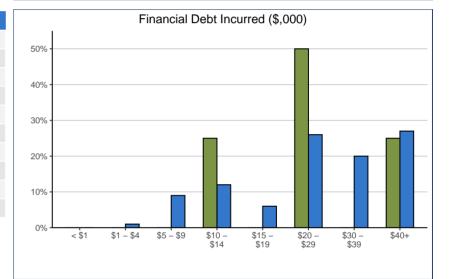


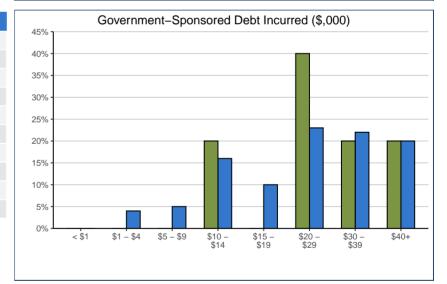
^{*} Includes only cases where government-sponsored debt was incurred

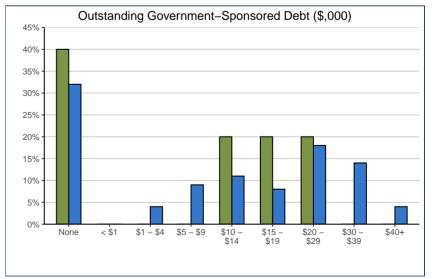


 $^{^{\}star}$ Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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