

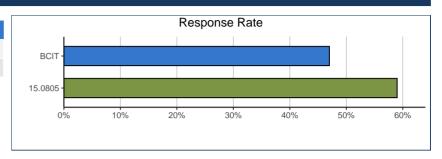
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

BCIT 15.0805

Detailed Summary of Survey Results
British Columbia Institute of Technology
15.0805: Mechanical engineering/mechanical technology/technician

RESPONSE RATE

Survey Response Rate:	15.0805		BCIT	
Baccalaureate Graduates Survey Cohort	32	100%	909	100%
Survey Respondents and Response Rate	19	59%	426	47%

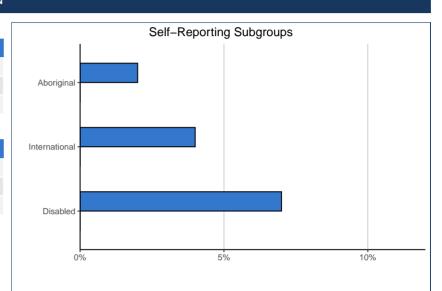


DEMOGRAPHIC INFORMATION

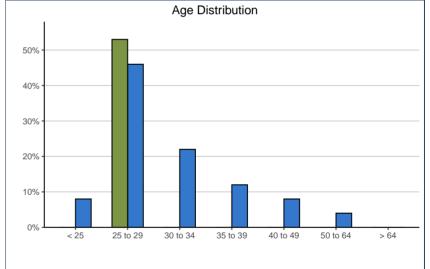
Self-Reporting Subgroups:	15.0805		BCIT	
Disabled	~	~	28	7%
International	~	~	15	4%
Aboriginal	0	0%	6	2%

Gender:*	15.0805		BCIT	
Male	~	~	249	58%
Female	~	~	177	42%
Total	19	100%	426	100%

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



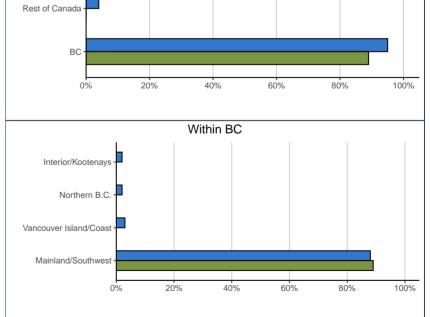
Age (at time of survey):	15.0805		BCIT	
< 25	~	~	33	8%
25 to 29	10	53%	195	46%
30 to 34	~	~	95	22%
35 to 39	~	~	52	12%
40 to 49	~	~	35	8%
50 to 64	0	0%	16	4%
> 64	0	0%	0	0%
Total	19	100%	426	100%
Median Age	28		29	
Average (mean) Age	29		31	



Place of Residence

USA

Place of Residence (at time of survey):	15.0805		BCIT	
BC – Mainland/Southwest	16	89%	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	16	89%	368	95%
Canada – Alberta	0	0%	~	~
Canada – Ontario	0	0%	9	2%
Canada – Other	~	~	7	2%
U.S.A.	~	~	~	~
Non-BC Subtotal	~	~	21	5%
Total	~	~	389	100%





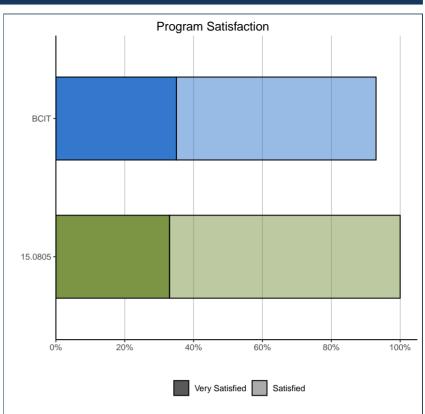


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	15.0805		BCIT	
Very Satisfied	6	33%	146	35%
Satisfied	12	67%	244	58%
Dissatisfied	0	0%	28	7%
Very Dissatisfied	0	0%	3	1%
Total	18	100%	421	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	15.0	15.0805		BCIT	
Very Useful	8	50%	208	52%	
Somewhat Useful	7	44%	158	39%	
Not Very Useful	1	6%	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:	15.0	15.0805		всіт	
Yes	5	26%	60	14%	
No	14	74%	355	86%	



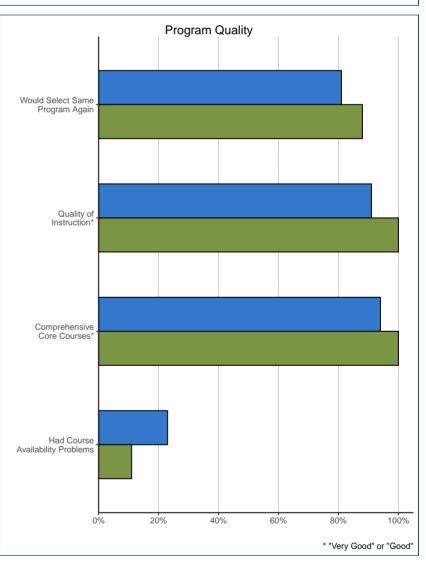
Would select the same program again:	15.0805		BCIT	
Yes	15	88%	312	81%
No	2	12%	75	19%

Quality of Instruction:	15.0805		BCIT	
Very Good	6	33%	116	27%
Good	12	67%	272	64%
Poor	0	0%	30	7%
Very Poor	0	0%	4	1%
Total	18	100%	422	100%

Comprehensiveness of Core Courses:	15.0	15.0805		BCIT	
Very Good	11	61%	140	33%	
Good	7	39%	258	61%	
Poor	0	0%	22	5%	
Very Poor	0	0%	4	1%	
Total	18	100%	424	100%	

Course Availability:	15.0805		BCIT	
Encountered course availability problems	2	11%	98	23%

Financial Constraints:	15.0805		ВС	CIT
Had to interrupt studies for financial reasons	0	0%	41	10%
Had to take program part-time for financial reasons	0	0%	76	18%

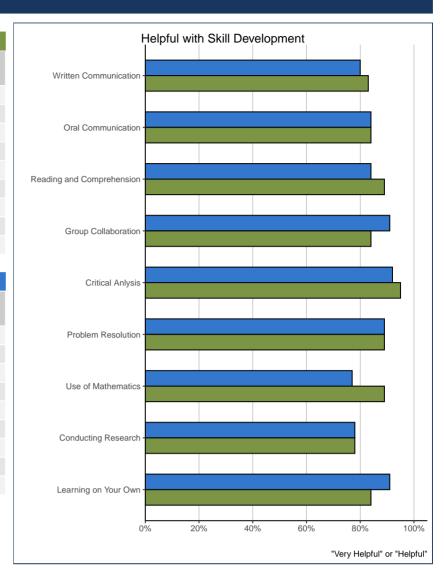




SKILL DEVELOPMENT

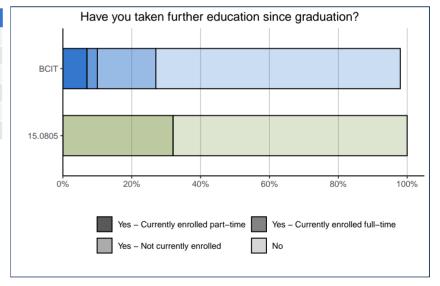
			15.0805		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	33%	50%	11%	6%	18
Oral Communication	17%	67%	11%	6%	18
Reading and Comprehension	28%	61%	11%	0%	18
Group Collaboration	42%	42%	16%	0%	19
Critical Anlysis	58%	37%	5%	0%	19
Problem Resolution	68%	21%	11%	0%	19
Use of Mathematics	42%	47%	11%	0%	19
Conducting Research	39%	39%	22%	0%	18
Learning on Your Own	63%	21%	16%	0%	19

			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

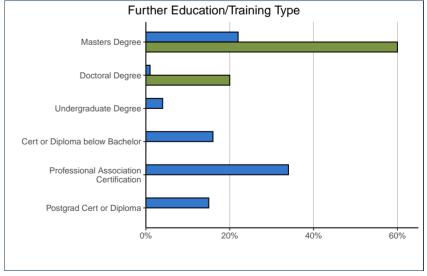


FURTHER EDUCATION

Took further education since 2020 graduation:	15.0805		BCIT	
Yes	6	32%	122	29%
Not currently enrolled	6	32%	74	17%
Currently enrolled full-time	0	0%	12	3%
Currently enrolled part-time	0	0%	31	7%
No	13	68%	303	71%
Total	19	100%	425	100%



Type of Formal Post–Secondary Education:	15	15.0805		CIT
Masters Degree	3	60%	26	22%
Doctoral Degree	1	20%	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	1	20%	10	8%
Total	5	100%	120	100%

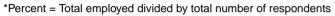




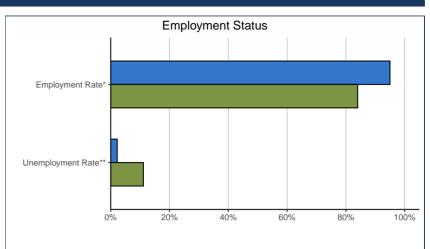


EMPLOYMENT

Labour Fource Status:	15.0805		BCIT	
In Labour Force (working or seeking work)	18	95%	413	97%
Not in Labour Force	1	5%	12	3%
Total	19	100%	425	100%
Employment:	15.0	0805	BCIT	
Employment Rate*	16	84%	404	95%
Unemployment Rate**	2	11.1%	9	2.2%



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

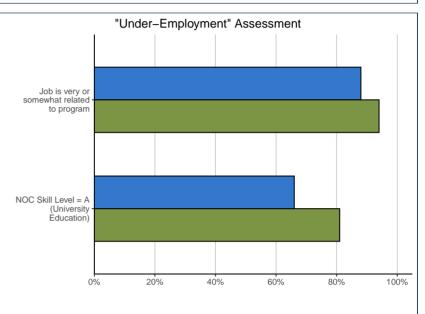


Status of Graduates NOT in Labour Force:	15.0805		BCIT	
Attending School FT	0	0%	5	42%
Attending School PT	0	0%	0	0%
Other	1	100%	7	58%
Total NOT in Labour Force	1	100%	12	100%

Primary Employment Type:	15.0805		ВС	CIT
Paid worker	16	100%	390	97%
Self-employed	0	0%	12	3%
Total	16	100%	402	100%

Job Characteristics:	15.0805		В	CIT
I hold more than one job*	3	19%	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?	15.0805		BCIT	
Very Related	6	38%	231	57%
Somewhat Related	9	56%	126	31%
Not Very Related	1	6%	28	7%
Not at All Related	0	0%	19	5%
Total	16	100%	404	100%

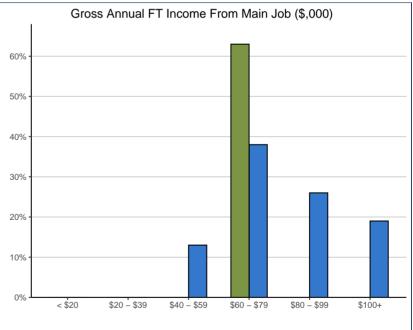
"Under-employment" Assessment:	15.0805		BCIT	
Job is very or somewhat related to program	15	94%	357	88%
NOC Skill Level = A (University Education)*	13	81%	255	66%

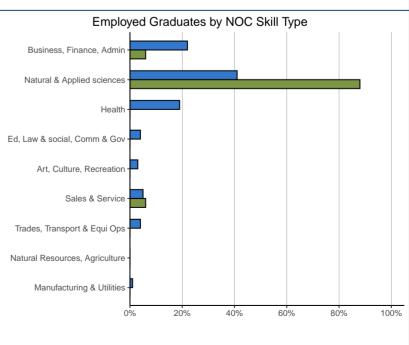
^{*}Of total valid responses

Gross Annual Income from Main Job:*	15.0805		BCIT	
Less than \$20,000	0	0%	~	~
\$20,000 to \$39,999	0	0%	~	~
\$40,000 to \$59,999	0	0%	41	13%
\$60,000 to \$79,999	10	63%	120	38%
\$80,000 to \$99,999	~	~	83	26%
\$100,000 and Above	~	~	60	19%
Total	16	100%	318	100%
Median Annual Income (full-time) (\$)	74,081		78,210	
Average Annual Income (full-time) (\$)	78,585		83,710	

^{*}Where data provided

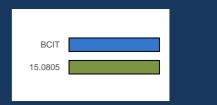
NOC Skill Type of Main Job:	15.0805		BCIT	
Business, finance & administration		6%	83	22%
Natural & applied sciences & related	14	88%	160	41%
Health		0%	75	19%
Education, law and social, community & government	0	0%	16	4%
Art, culture, recreation & sport	0	0%	13	3%
Sales & service	1	6%	21	5%
Trades, transport & 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%





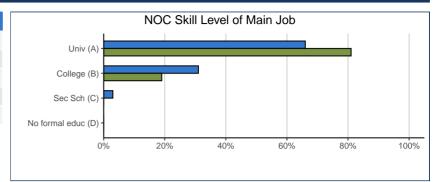
^{**}Of those who provided data on hours/week worked





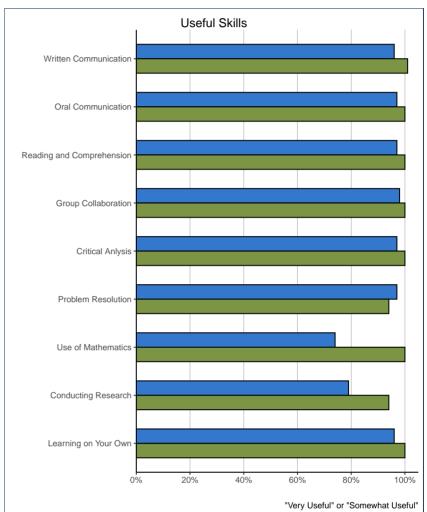
EMPLOYMENT, continued

NOC Skill Level of Main Job:	15.0805		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%



	15.0805				
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	63%	38%	0%	0%	16
Oral Communication	67%	33%	0%	0%	15
Reading and Comprehension	69%	31%	0%	0%	16
Group Collaboration	69%	31%	0%	0%	16
Critical Anlysis	75%	25%	0%	0%	16
Problem Resolution	81%	13%	6%	0%	16
Use of Mathematics	44%	56%	0%	0%	16
Conducting Research	56%	38%	0%	6%	16
Learning on Your Own	75%	25%	0%	0%	16

	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 15.0805 Graduates:		15.0805	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2132	A	Mechanical engineers	69%
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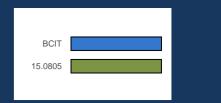
^{*} Data not displayed where n < 5

^{**} 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	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	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



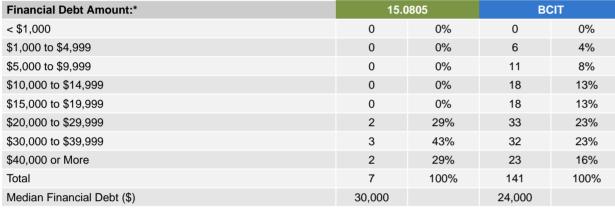
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	ding Sources (3 sources allowed):*		BCIT	
Personal savings, investments	8	8 42%		44%
Employment while studying		47%	191	46%
Family/Friends	11	58%	186	45%
Personal bank loans	2	11%	33	8%
Government student loans	7	37%	141	34%
Scholarships/Bursaries/Grants	2	11%	85	21%
Other	5	26%	88	21%
Total	19		414	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	15.0805		BCIT	
Incurred any form of financial debt	8	42%	190	46%
Incurred government-sponsored student loan debt	8	42%	156	37%

^{*} Percentage of respondents who provided data



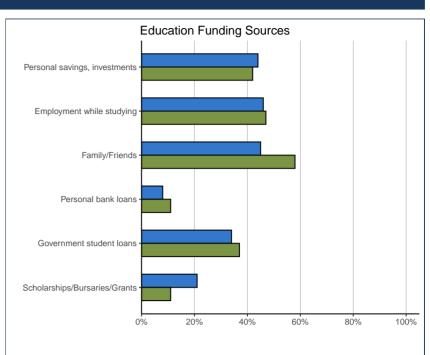
^{*} Includes only cases where financial debt was incurred

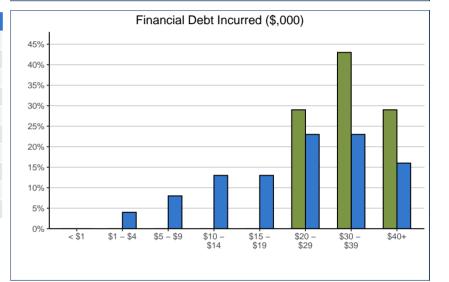


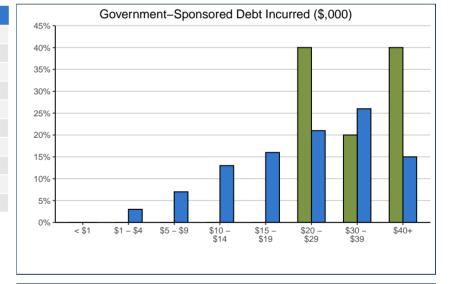
^{*} Includes only cases where government-sponsored debt was incurred

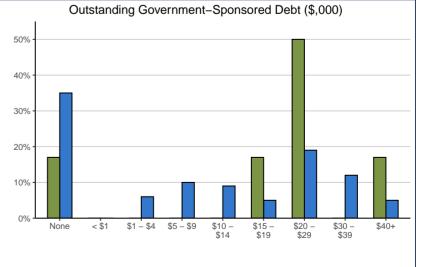


 $^{^{\}star}$ Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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