B.C. Baccalaureate Outcomes
2024 Survey of 2022 Baccalaureate Graduates

Detailed Summary of Survey Results
British Columbia Institute of Technology
15.1501: Engineering/industrial management

BCIT	
15.1501	

RESPONSE RATE

Survey Response Rate:	15.1501		BCIT	
Baccalaureate Graduates Survey Cohort	21	100%	870	100%
Survey Respondents and Response Rate	11	52%	214	25%

Response Rate
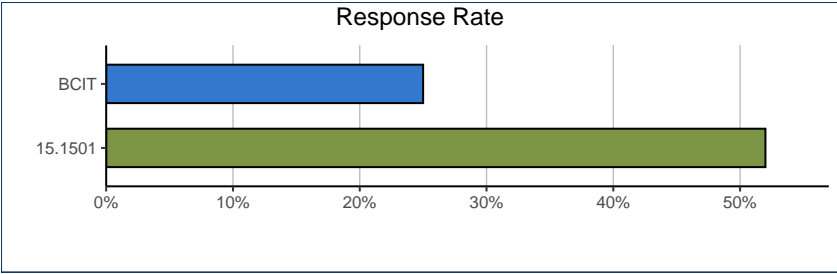
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	15.1501		BCIT	
Disabled	~	~	14	7%
International	0	0%	15	7%
Indigenous	0	0%	5	3%

Self–Reporting Subgroups

| Gender:*	15.1501		BCIT	
Man/Boy	~	~	134	63%
Woman/Girl	~	~	80	37%
Total	11	100%	214	100%

*Due to zero or low counts, institution–reported "Non–Binary" demographic data are not included
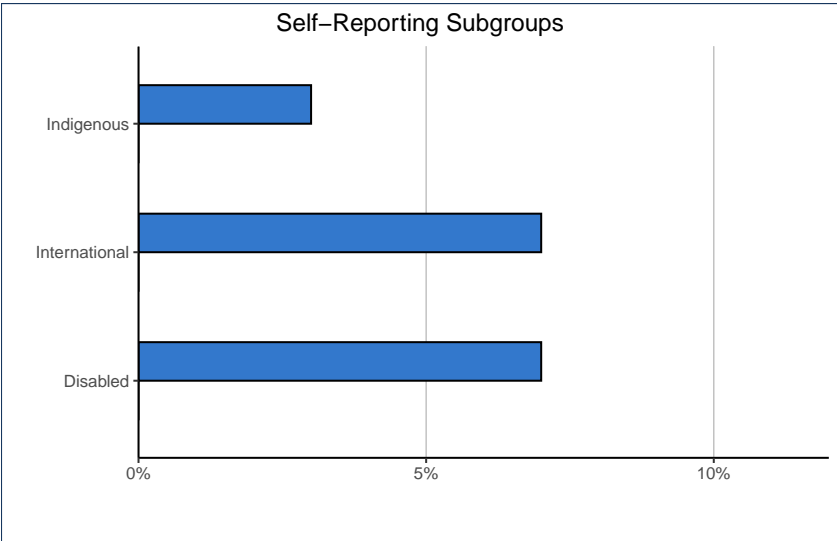
Age (at time of survey):	15.1501		BCIT	
< 25	0	0%	23	11%
25 to 29	0	0%	77	36%
30 to 34	~	~	53	25%
35 to 39	~	~	26	12%
40 to 49	~	~	25	12%
50 to 64	~	~	~	~
> 64	0	0%	~	~
Total	11	100%	214	100%
Median Age	42		30	
Average (mean) Age	43		32	

Age Distribution
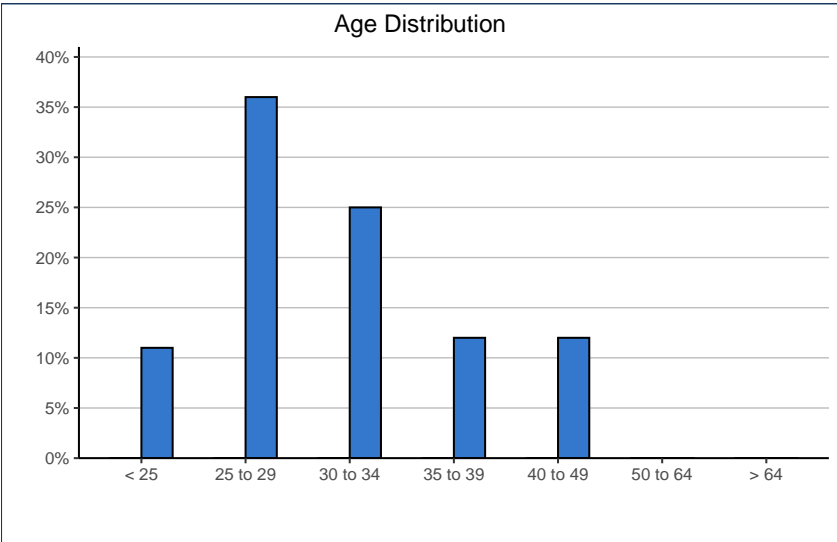
Place of Residence (at time of survey):	15.1501		BCIT	
BC – Mainland/Southwest	~	~	173	87%
BC – Vancouver Island/Coast	~	~	7	4%
BC – Northern B.C.	0	0%	0	0%
BC – Interior/Kootenays	0	0%	5	3%
BC Subtotal	10	91%	185	93%
Canada – Alberta	0	0%	~	~
Canada – Ontario	~	~	6	3%
Canada – Other	0	0%	~	~
U.S.A.	0	0%	0	0%
Non–BC Subtotal	~	~	14	7%
Total	~	~	199	100%

Place of Residence

Within BC
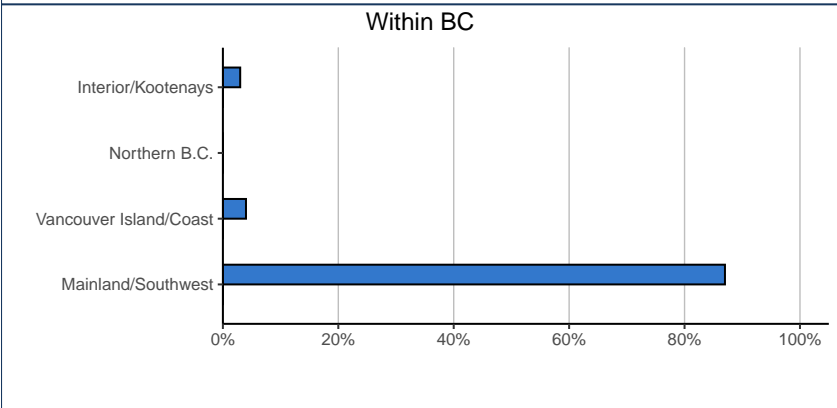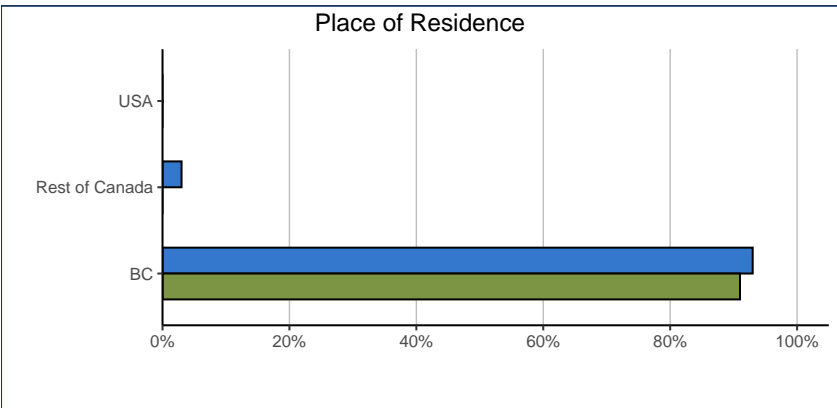
	BCIT
15.1501	

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	15.1501		BCIT	
Very Satisfied	8	73%	81	38%
Satisfied	3	27%	112	53%
Dissatisfied	0	0%	14	7%
Very Dissatisfied	0	0%	4	2%
Total	11	100%	211	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	15.1501		BCIT	
Very Useful	6	55%	96	51%
Somewhat Useful	5	45%	77	41%
Not Very Useful	0	0%	13	7%
Not at All Useful	0	0%	4	2%
Total	11	100%	190	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	15.1501		BCIT	
Yes	0	0%	24	12%
No	11	100%	183	88%

Would select the same program again:	15.1501		BCIT	
Yes	11	100%	154	78%
No	0	0%	44	22%

Quality of Instruction:	15.1501		BCIT	
Very Good	7	64%	68	32%
Good	4	36%	132	62%
Poor	0	0%	11	5%
Very Poor	0	0%	1	0%
Total	11	100%	212	100%

Comprehensiveness of Core Courses:	15.1501		BCIT	
Very Good	6	55%	69	33%
Good	5	45%	127	60%
Poor	0	0%	11	5%
Very Poor	0	0%	3	1%
Total	11	100%	210	100%

Course Availability:	15.1501		BCIT	
Encountered course availability problems	7	64%	38	18%

Financial Constraints:	15.1501		BCIT	
Had to interrupt studies for financial reasons	1	9%	19	9%
Had to take program part–time for financial reasons	4	36%	35	17%

Program Satisfaction

Legend: Very Satisfied, Satisfied

Program Quality

* "Very Good" or "Good"

BC Student Outcomes
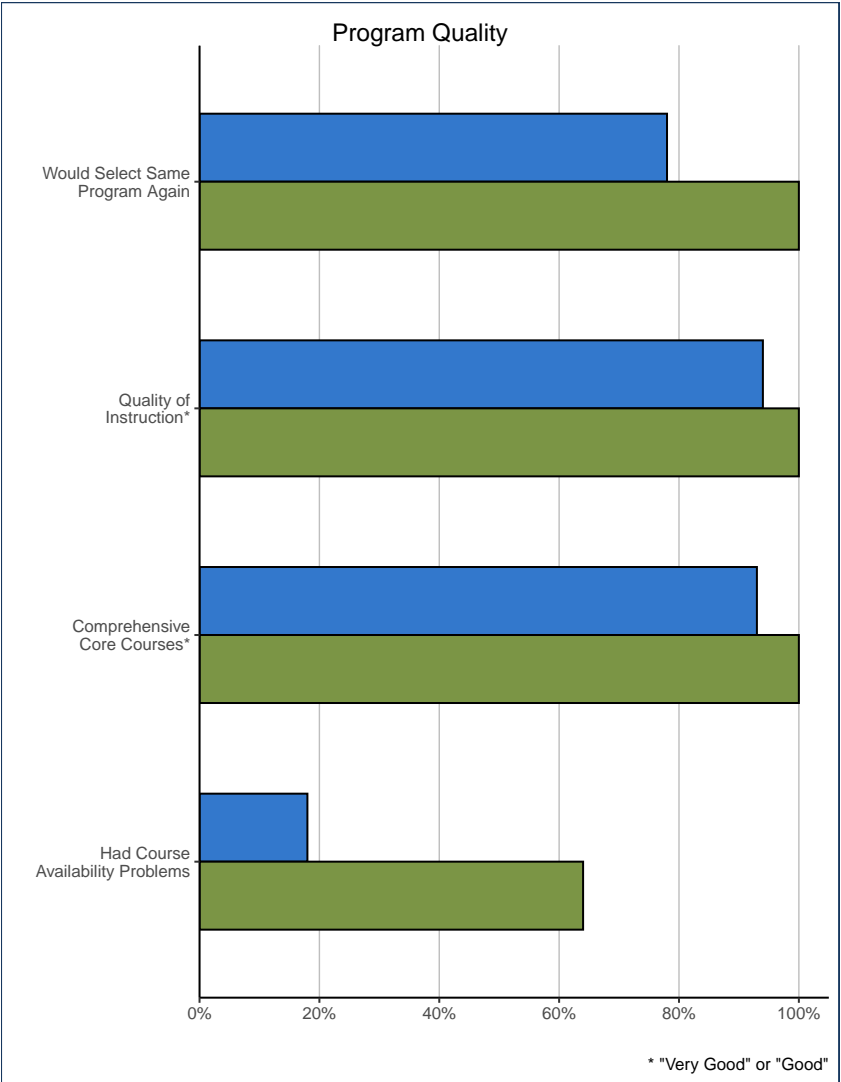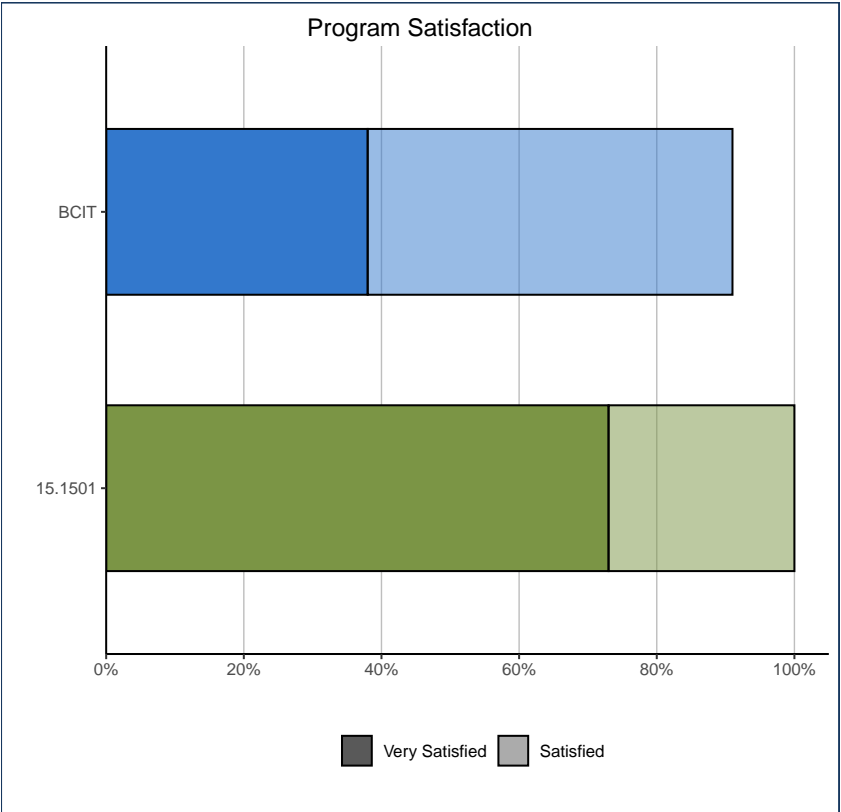
	BCIT
15.1501	

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	15.1501				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	45%	45%	9%	0%	11
Oral Communication	36%	55%	9%	0%	11
Reading and Comprehension	64%	27%	0%	9%	11
Group Collaboration	55%	36%	9%	0%	11
Critical Anlysis	45%	55%	0%	0%	11
Problem Resolution	40%	40%	10%	10%	10
Use of Mathematics	17%	67%	17%	0%	6
Conducting Research	64%	36%	0%	0%	11
Learning on Your Own	36%	64%	0%	0%	11

Skill Development: How helpful was institution?	BCIT				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	29%	58%	12%	2%	206
Oral Communication	24%	60%	14%	2%	204
Reading and Comprehension	32%	55%	11%	2%	204
Group Collaboration	46%	44%	9%	2%	210
Critical Anlysis	45%	48%	7%	0%	211
Problem Resolution	33%	56%	8%	3%	209
Use of Mathematics	34%	49%	14%	4%	187
Conducting Research	33%	50%	13%	3%	201
Learning on Your Own	42%	52%	6%	1%	213

Helpful with Skill Development

"Very Helpful" or "Helpful"
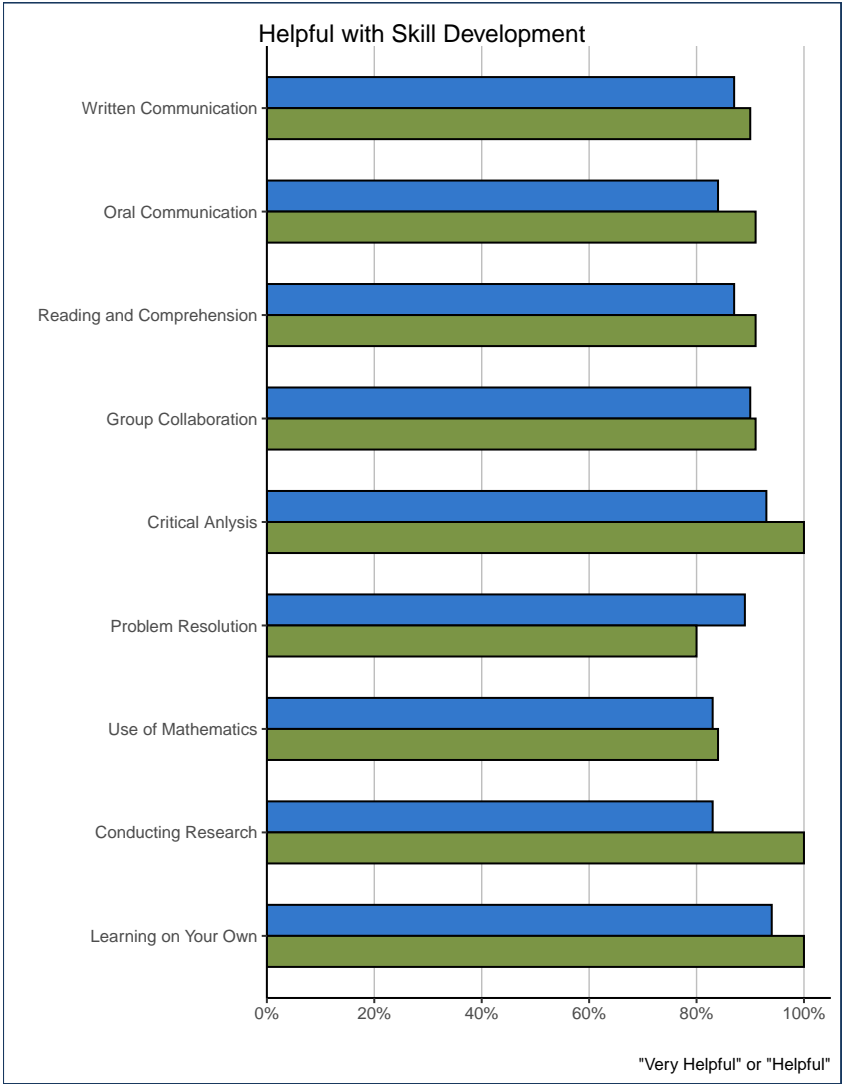
FURTHER EDUCATION

Took further education since 2022 graduation:	15.1501		BCIT	
Yes	3	27%	59	28%
Not currently enrolled	0	0%	34	16%
Currently enrolled full–time	1	9%	5	2%
Currently enrolled part–time	2	18%	20	9%
No	8	73%	154	72%
Total	11	100%	213	100%

Have you taken further education since graduation?

- Yes – Currently enrolled part–time
- Yes – Currently enrolled full–time
- Yes – Not currently enrolled
- No
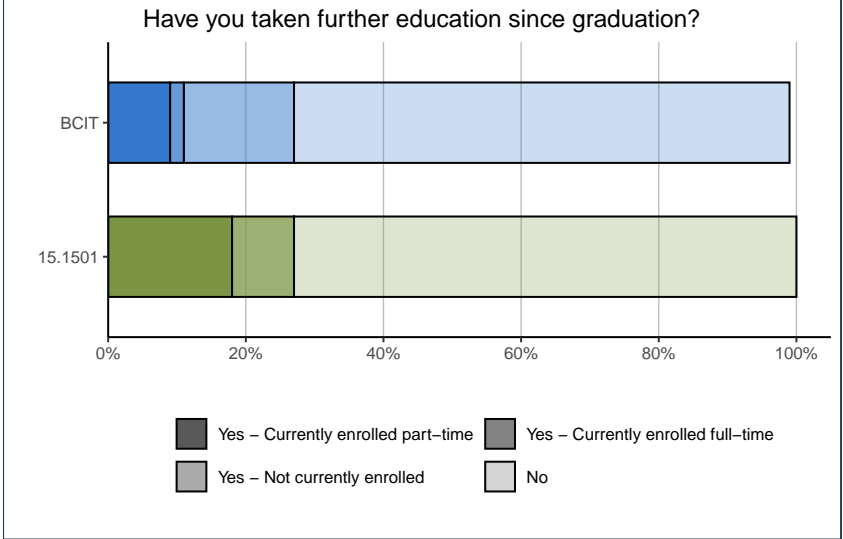
Type of Formal Post–Secondary Education:	15.1501		BCIT	
Master's Degree	2	67%	8	14%
Doctoral Degree	0	0%	0	0%
Another Undergraduate Degree	0	0%	6	10%
Certificate or Diploma below Bachelor Level	0	0%	14	24%
Professional Association Certification	1	33%	15	26%
Postgraduate Certificate or Diploma	0	0%	6	10%
Other	0	0%	9	16%
Total	3	100%	58	100%

Further Education/Training Type

BC Student Outcomes

Detailed Summary of Survey Results
British Columbia Institute of Technology
15.1501: Engineering/industrial management
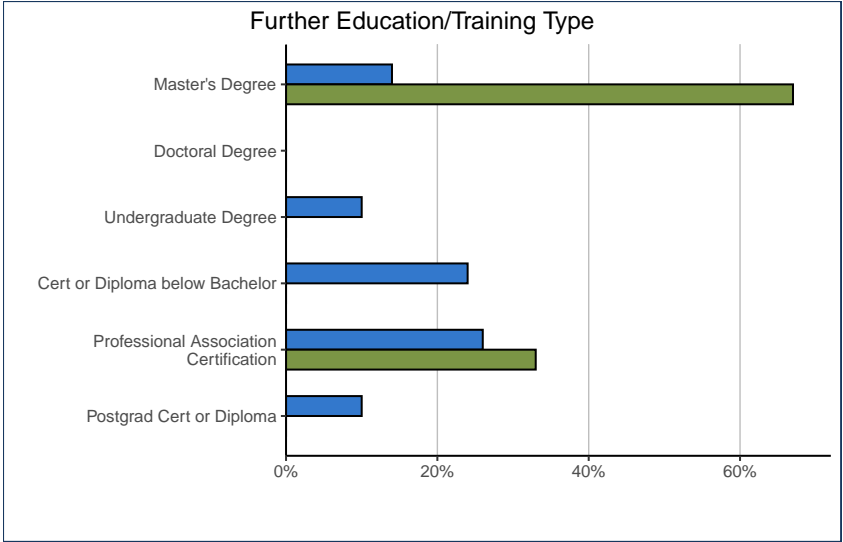
BCIT
15.1501

EMPLOYMENT

Labour Fource Status:	15.1501		BCIT	
In Labour Force (working or seeking work)	11	100%	207	98%
Not in Labour Force	0	0%	5	2%
Total	11	100%	212	100%

Employment:	15.1501		BCIT	
Employment Rate*	11	100%	192	90%
Unemployment Rate**	0	0.0%	15	7.2%

*Percent = Total employed divided by total number of respondents
**Percent = Total unemployed divided by total number in labour force
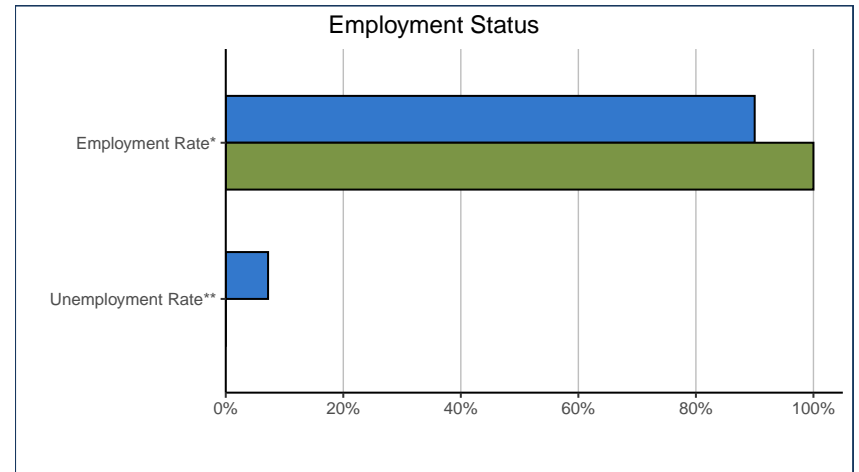
Employment Status

Status of Graduates NOT in Labour Force:	15.1501		BCIT	
Attending School FT	0	0%	1	20%
Attending School PT	0	0%	0	0%
Other	0	0%	4	80%
Total NOT in Labour Force	0	0%	5	100%

Primary Employment Type:	15.1501		BCIT	
Paid Worker	10	91%	181	95%
Self−Employed	1	9%	10	5%
Total	11	100%	191	100%

Job Characteristics:	15.1501		BCIT	
I hold more than one job*	0	0%	24	13%
My main job is full−time (>= 30 hours per week)**	11	100%	182	98%

*Of total employed
**Of those who provided data on hours/week worked

"Under−Employment" Assessment
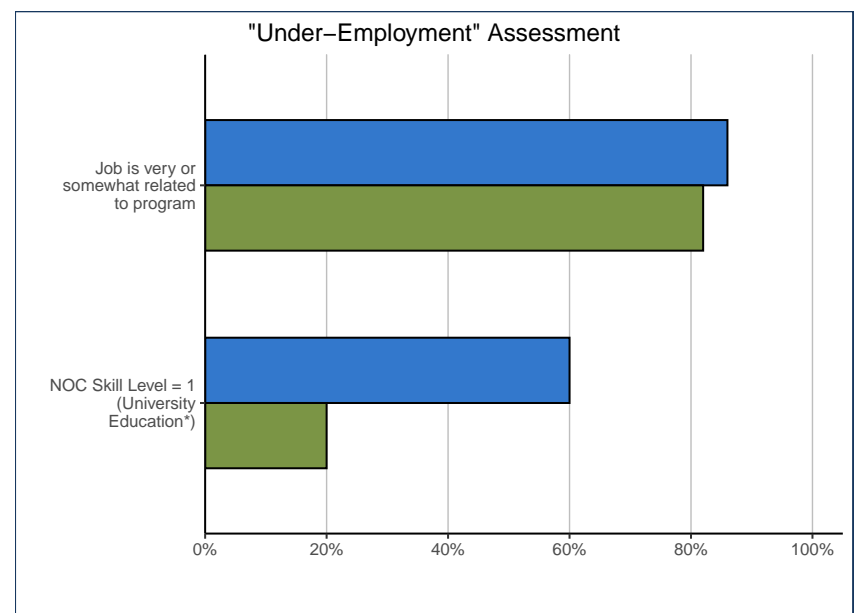
How related is your main job to your program?	15.1501		BCIT	
Very Related	5	45%	110	58%
Somewhat Related	4	36%	54	28%
Not Very Related	0	0%	12	6%
Not at All Related	2	18%	15	8%
Total	11	100%	191	100%

"Under−Employment" Assessment:	15.1501		BCIT	
Job is very or somewhat related to program	9	82%	164	86%
NOC Skill Level = 1 (University Education)*	2	20%	106	60%

*Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	15.1501		BCIT	
Less than $20,000	~	~	~	~
$20,000 to $39,999	0	0%	~	~
$40,000 to $59,999	0	0%	18	12%
$60,000 to $79,999	0	0%	45	30%
$80,000 to $99,999	~	~	40	26%
$100,000 and Above	~	~	40	26%
Total	8	100%	151	100%
Median Annual Income (full−time) ($)	133,500		83,136	
Average Annual Income (full−time) ($)	139,519		88,207	

*Where data provided

Gross Annual FT Income From Main Job ($,000)

NOC Skill Type of Main Job (NOC 2021):	15.1501		BCIT	
Legislative and senior management	0	0%	3	2%
Business, finance & administration	2	20%	33	19%
Natural & applied sciences & related	5	50%	71	40%
Health	0	0%	38	21%
Education, law and social, community & government	0	0%	8	4%
Art, culture, recreation & sport	0	0%	0	0%
Sales & service	0	0%	6	3%
Trades, transport & equipment operators & related	3	30%	16	9%
Natural resources, agriculture & related production	0	0%	0	0%
Manufacturing & utilities	0	0%	3	2%
Total	10	100%	178	100%

Employed Graduates by NOC Skill Type

Detailed Summary of Survey Results
British Columbia Institute of Technology
15.1501: Engineering/industrial management
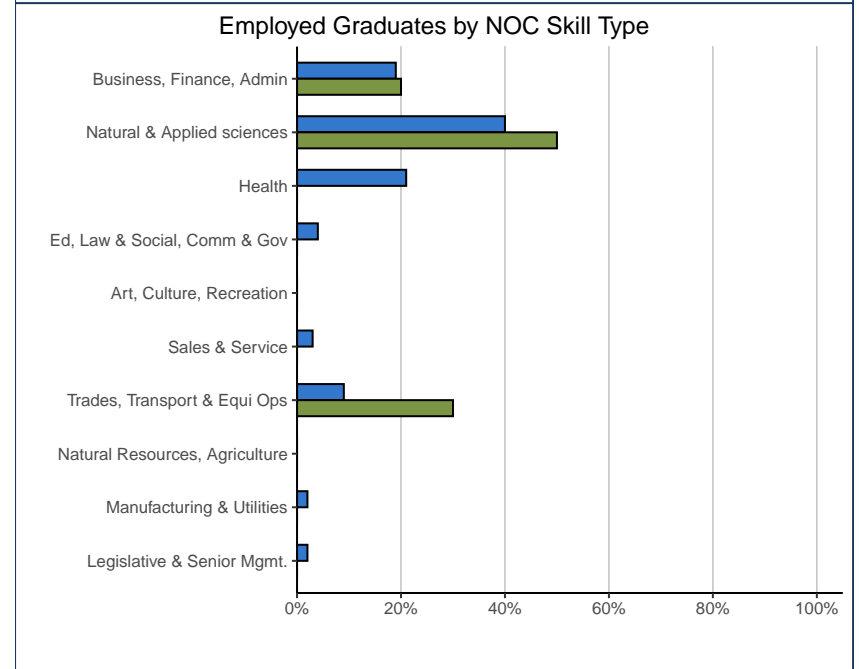
BCIT ▆
15.1501 ▆

EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	15.1501		BCIT	
0. Management	5	50%	25	14%
1. University education	2	20%	106	60%
2. College education/trade apprenticeship (2+ years)	2	20%	38	21%
3. College education/trade apprenticeship (<2 years)	1	10%	6	3%
4. Secondary school + job–specific training	0	0%	1	1%
5. No formal education	0	0%	2	1%
Total	10	100%	178	100%
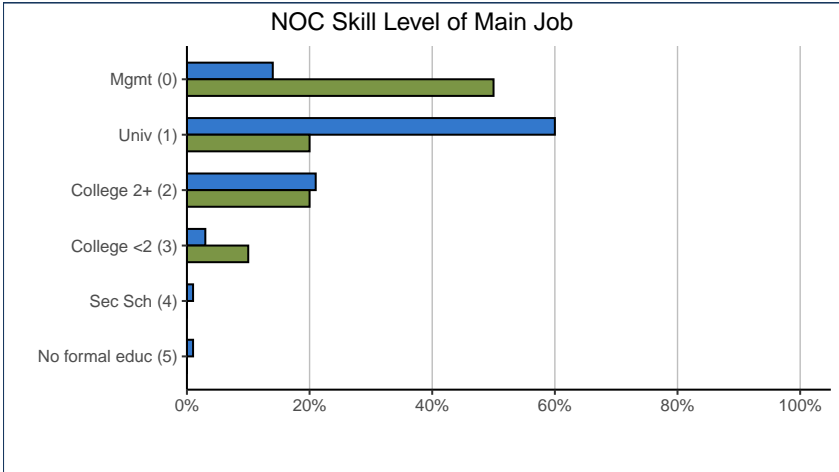
NOC Skill Level of Main Job

How useful are the following skills and abilities in doing your main job?	15.1501				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	82%	18%	0%	0%	11
Oral Communication	100%	0%	0%	0%	11
Reading and Comprehension	73%	27%	0%	0%	11
Group Collaboration	91%	9%	0%	0%	11
Critical Anlysis	100%	0%	0%	0%	11
Problem Resolution	91%	9%	0%	0%	11
Use of Mathematics	27%	64%	9%	0%	11
Conducting Research	73%	9%	18%	0%	11
Learning on Your Own	73%	27%	0%	0%	11

How useful are the following skills and abilities in doing your main job?	BCIT				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	77%	18%	3%	2%	190
Oral Communication	76%	21%	2%	1%	191
Reading and Comprehension	76%	20%	2%	2%	191
Group Collaboration	76%	21%	3%	0%	191
Critical Anlysis	83%	15%	2%	1%	190
Problem Resolution	79%	19%	1%	1%	191
Use of Mathematics	40%	42%	12%	6%	185
Conducting Research	45%	35%	14%	5%	187
Learning on Your Own	71%	27%	3%	0%	191

Useful Skills

"Very Useful" or "Somewhat Useful"

Top 10 Full–Time Occupations of 15.1501 Graduates*:			15.1501
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
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* Data not displayed where n < 5; NOC 2021
** Percentages cited are of those employed

Top 10 Full–Time Occupations of BCIT Graduates*:			BCIT
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
31301	1	Registered nurses and registered psychiatric nurses	17%
11100	1	Financial auditors and accountants	7%
70010	0	Construction managers	5%
21310	1	Electrical and electronics engineers	4%
XXXXX	X	Unclassified occupations	4%
21231	1	Software engineers and designers	3%
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*			
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* Data not displayed where n < 5; NOC 2021
** Percentages cited are of those employed

BC Student Outcomes

Detailed Summary of Survey Results
British Columbia Institute of Technology
15.1501: Engineering/industrial management

BCIT
15.1501

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	15.1501		BCIT	
Personal savings, investments	4	36%	93	45%
Employment while studying	9	82%	91	44%
Family/Friends	0	0%	84	40%
Personal bank loans	0	0%	13	6%
Government student loans	3	27%	83	40%
Scholarships/Bursaries/Grants	1	9%	44	21%
Other	5	45%	39	19%
Total	11		208	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	15.1501		BCIT	
Incurred any form of financial debt	5	45%	105	50%
Incurred government–sponsored student loan debt	3	27%	91	43%

* Percentage of respondents who provided data

Financial Debt Amount:*	15.1501		BCIT	
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	3	4%
$5,000 to $9,999	1	25%	8	10%
$10,000 to $14,999	1	25%	13	15%
$15,000 to $19,999	0	0%	11	13%
$20,000 to $29,999	2	50%	15	18%
$30,000 to $39,999	0	0%	14	17%
$40,000 or More	0	0%	20	24%
Total	4	100%	84	100%
Median Financial Debt ($)	18,500		25,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	15.1501		BCIT	
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	3	5%
$5,000 to $9,999	0	0%	6	10%
$10,000 to $14,999	0	0%	7	12%
$15,000 to $19,999	0	0%	6	10%
$20,000 to $29,999	0	0%	14	23%
$30,000 to $39,999	0	0%	9	15%
$40,000 or More	0	0%	15	25%
Total	0	0%	60	100%
Median Gov't–Sponsored Loan Debt ($)	NA		25,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	15.1501		BCIT	
None – Loan repaid in full	1	33%	16	23%
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	8	11%
$5,000 to $9,999	0	0%	6	8%
$10,000 to $14,999	0	0%	6	8%
$15,000 to $19,999	0	0%	8	11%
$20,000 to $29,999	2	67%	17	24%
$30,000 to $39,999	0	0%	8	11%
$40,000 or More	0	0%	2	3%
Total	3	100%	71	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	22,500		19,610	

* 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

Outstanding Government–Sponsored Debt ($,000)