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

Detailed Summary of Survey Results
University of Northern British Columbia
14.1401: Environmental/environmental health engineering

	UNBC
14.1401	

RESPONSE RATE

Survey Response Rate:	14.1401		UNBC	
Baccalaureate Graduates Survey Cohort	31	100%	541	100%
Survey Respondents and Response Rate	12	39%	150	28%

Response Rate
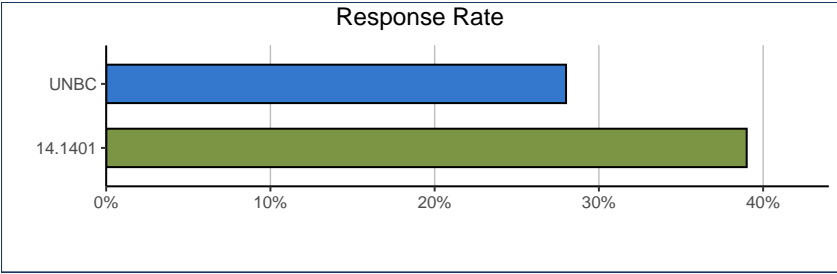
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	14.1401		UNBC	
Disabled	~	~	16	11%
International	~	~	6	4%
Indigenous	0	0%	11	8%

Self–Reporting Subgroups

| Gender:*	14.1401		UNBC	
Man/Boy	6	50%	49	33%
Woman/Girl	6	50%	100	67%
Total	12	100%	149	100%

*Due to zero or low counts, institution–reported "Non–Binary" demographic data are not included
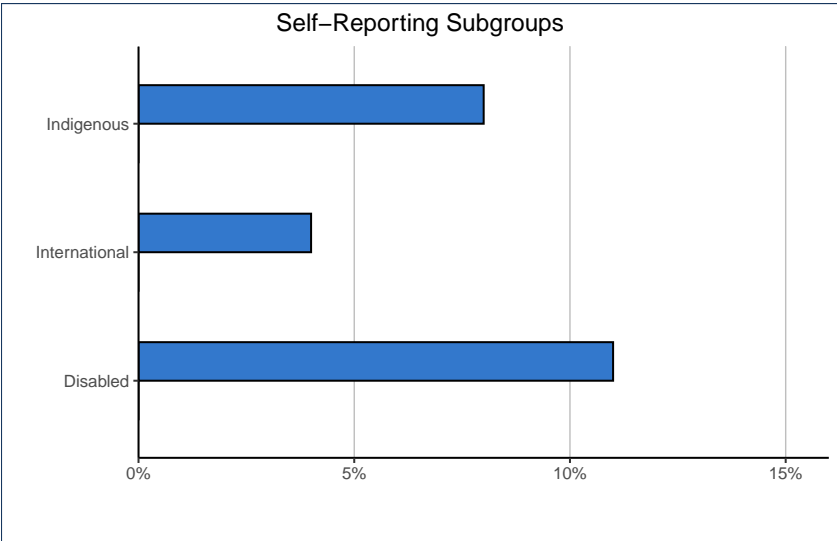
Age (at time of survey):	14.1401		UNBC	
< 25	~	~	32	21%
25 to 29	~	~	92	61%
30 to 34	0	0%	16	11%
35 to 39	0	0%	0	0%
40 to 49	0	0%	~	~
50 to 64	0	0%	~	~
> 64	0	0%	0	0%
Total	12	100%	150	100%
Median Age	25		26	
Average (mean) Age	25		28	

Age Distribution
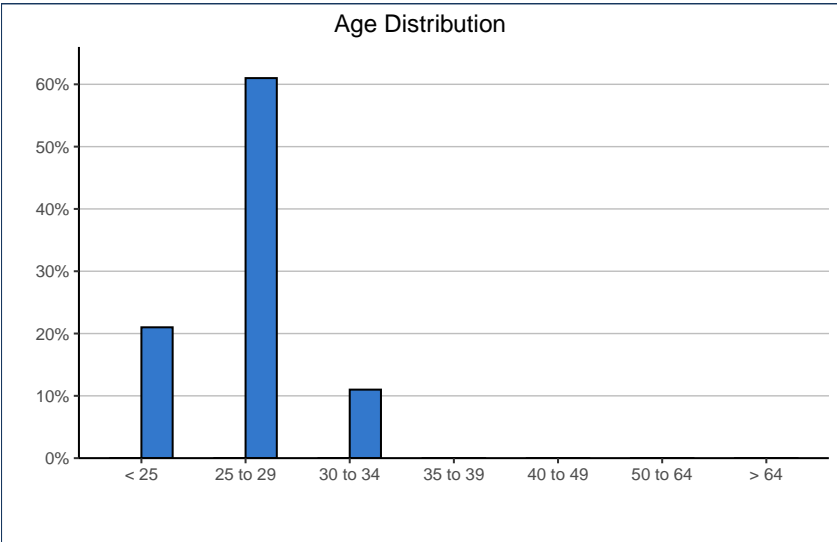
Place of Residence (at time of survey):	14.1401		UNBC	
BC – Mainland/Southwest	~	~	14	10%
BC – Vancouver Island/Coast	0	0%	7	5%
BC – Northern B.C.	~	~	89	66%
BC – Interior/Kootenays	~	~	7	5%
BC Subtotal	8	89%	117	87%
Canada – Alberta	0	0%	~	~
Canada – Ontario	0	0%	~	~
Canada – Other	~	~	8	6%
U.S.A.	0	0%	~	~
Non–BC Subtotal	~	~	17	13%
Total	~	~	134	100%

Place of Residence

Within BC

BC Student Outcomes
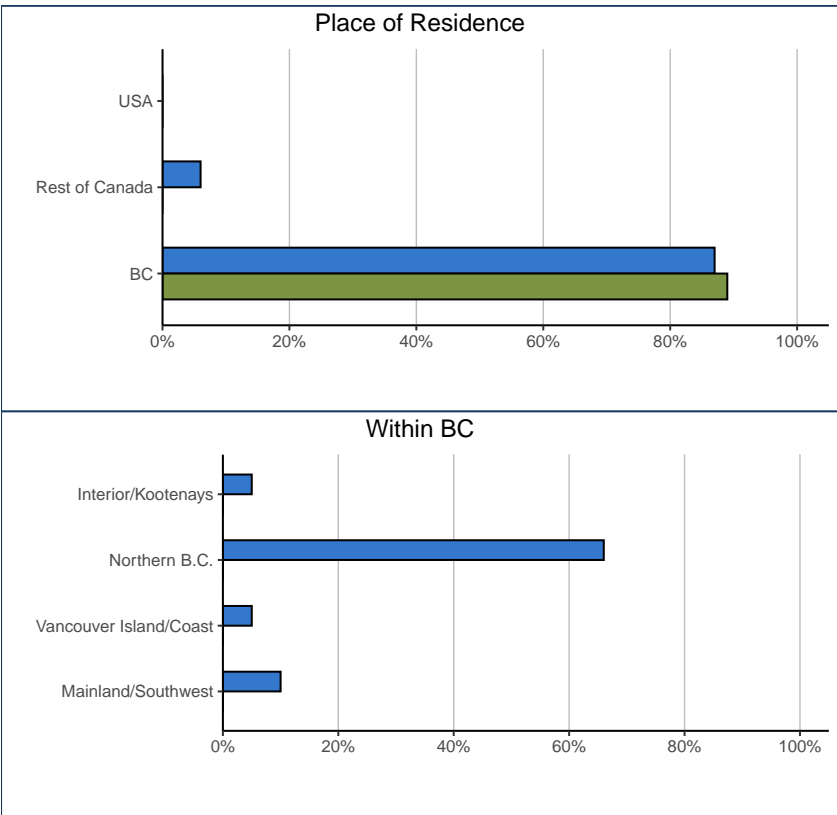
UNBC	
14.1401	

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1401		UNBC	
Very Satisfied	5	42%	43	29%
Satisfied	7	58%	90	60%
Dissatisfied	0	0%	15	10%
Very Dissatisfied	0	0%	1	1%
Total	12	100%	149	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1401		UNBC	
Very Useful	3	33%	51	45%
Somewhat Useful	6	67%	51	45%
Not Very Useful	0	0%	7	6%
Not at All Useful	0	0%	4	4%
Total	9	100%	113	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1401		UNBC	
Yes	0	0%	10	7%
No	12	100%	138	93%

Program Satisfaction

Would select the same program again:	14.1401		UNBC	
Yes	9	90%	107	79%
No	1	10%	28	21%

Quality of Instruction:	14.1401		UNBC	
Very Good	2	17%	33	22%
Good	10	83%	105	70%
Poor	0	0%	11	7%
Very Poor	0	0%	0	0%
Total	12	100%	149	100%

Comprehensiveness of Core Courses:	14.1401		UNBC	
Very Good	2	17%	32	22%
Good	9	75%	97	66%
Poor	1	8%	19	13%
Very Poor	0	0%	0	0%
Total	12	100%	148	100%

Course Availability:	14.1401		UNBC	
Encountered course availability problems	2	17%	65	45%

Financial Constraints:	14.1401		UNBC	
Had to interrupt studies for financial reasons	0	0%	19	13%
Had to take program part–time for financial reasons	0	0%	24	16%

Program Quality

* "Very Good" or "Good"
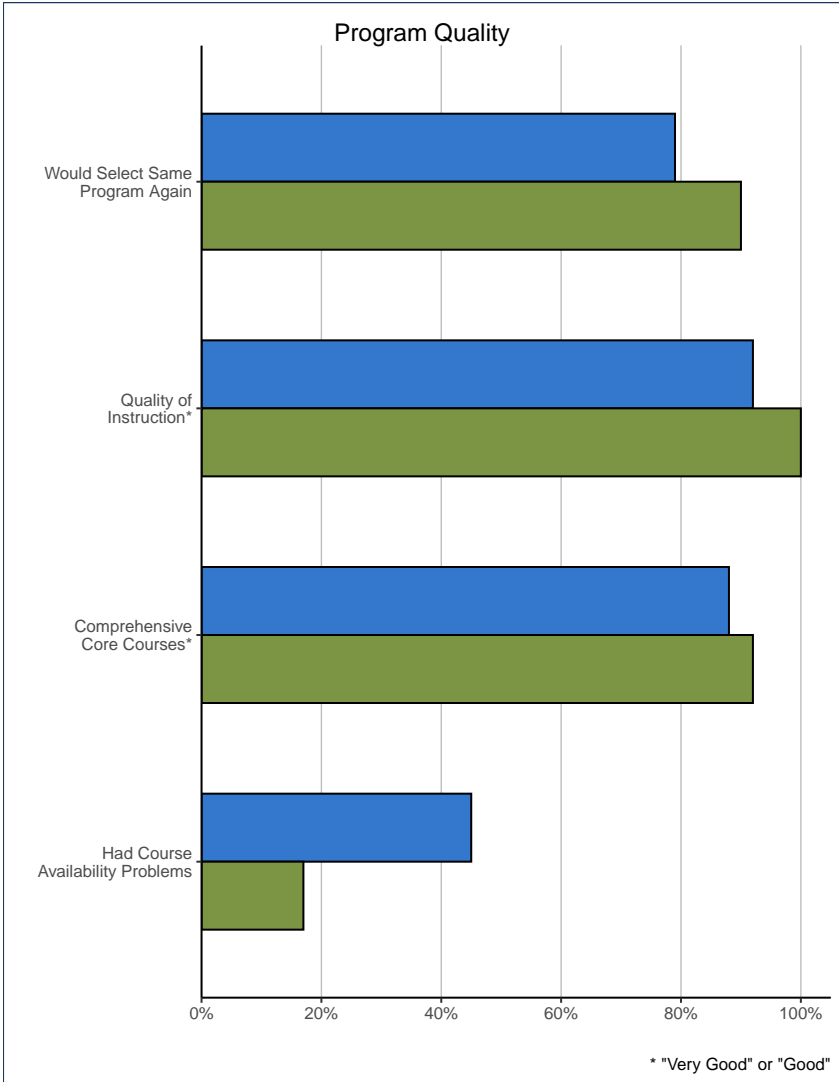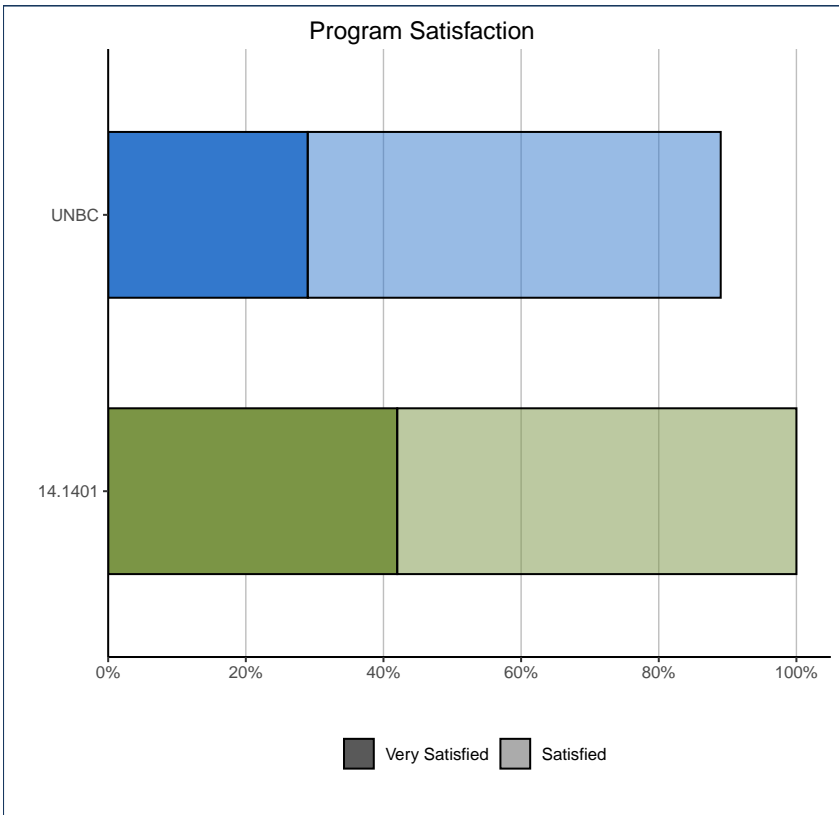
UNBC	
14.1401	

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	14.1401				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	8%	75%	17%	0%	12
Oral Communication	33%	42%	25%	0%	12
Reading and Comprehension	25%	58%	17%	0%	12
Group Collaboration	42%	58%	0%	0%	12
Critical Anlysis	50%	50%	0%	0%	12
Problem Resolution	25%	75%	0%	0%	12
Use of Mathematics	58%	33%	8%	0%	12
Conducting Research	33%	50%	17%	0%	12
Learning on Your Own	33%	58%	8%	0%	12

Skill Development: How helpful was institution?	UNBC				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	23%	61%	15%	1%	148
Oral Communication	22%	57%	17%	3%	148
Reading and Comprehension	27%	57%	14%	2%	148
Group Collaboration	26%	57%	12%	5%	148
Critical Anlysis	38%	55%	7%	1%	150
Problem Resolution	23%	55%	16%	5%	146
Use of Mathematics	17%	57%	21%	4%	121
Conducting Research	33%	50%	16%	1%	143
Learning on Your Own	34%	54%	10%	1%	145

Helpful with Skill Development
"Very Helpful" or "Helpful"
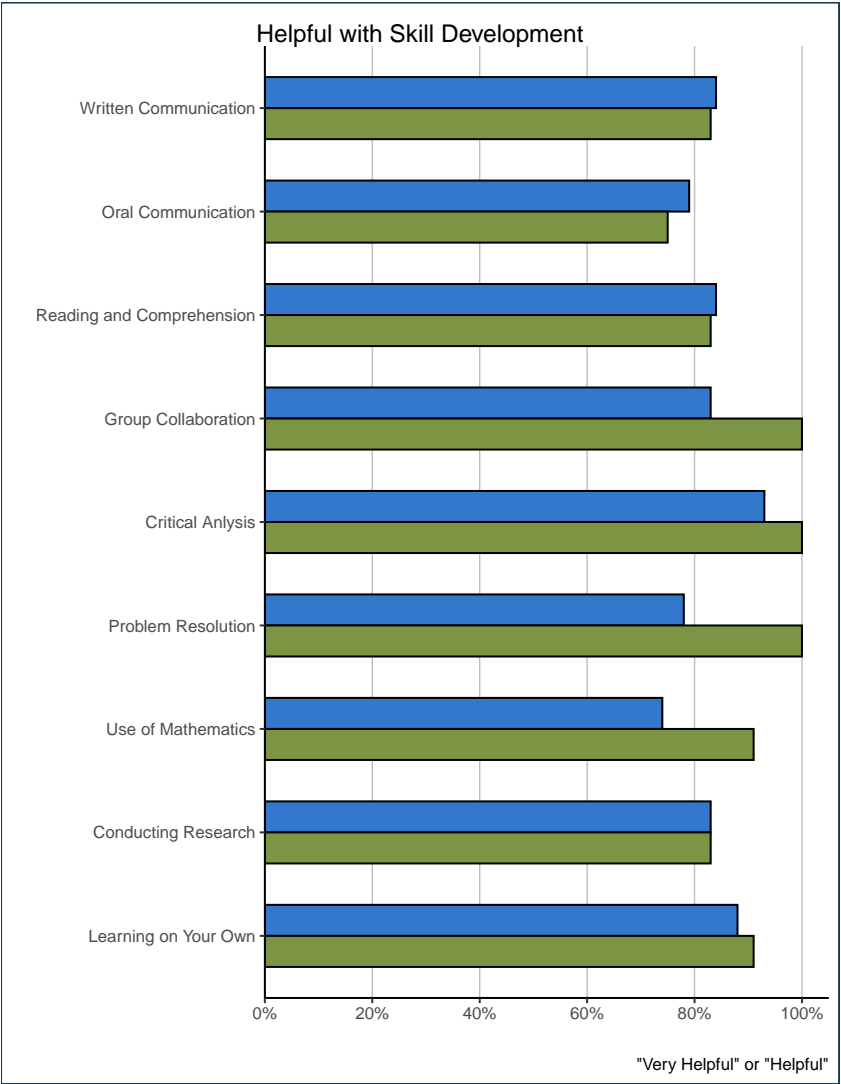
FURTHER EDUCATION

Took further education since 2022 graduation:	14.1401		UNBC	
Yes	2	17%	72	48%
Not currently enrolled	0	0%	27	18%
Currently enrolled full–time	2	17%	34	23%
Currently enrolled part–time	0	0%	7	5%
No	10	83%	77	52%
Total	12	100%	149	100%

Have you taken further education since graduation?

- Yes – Currently enrolled part–time
- Yes – Currently enrolled full–time
- Yes – Not currently enrolled
- No
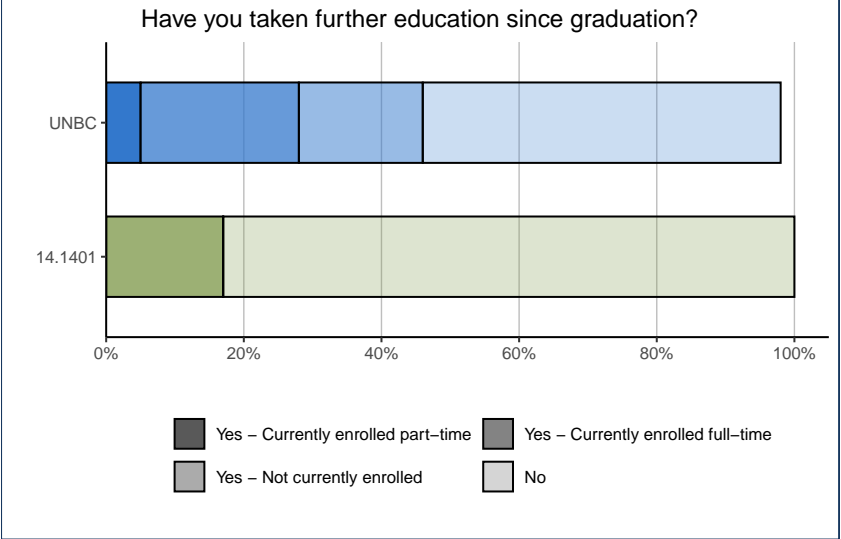
Type of Formal Post–Secondary Education:	14.1401		UNBC	
Master's Degree	2	100%	24	33%
Doctoral Degree	0	0%	3	4%
Another Undergraduate Degree	0	0%	22	31%
Certificate or Diploma below Bachelor Level	0	0%	7	10%
Professional Association Certification	0	0%	12	17%
Postgraduate Certificate or Diploma	0	0%	2	3%
Other	0	0%	2	3%
Total	2	100%	72	100%

Further Education/Training Type

BC Student Outcomes

Detailed Summary of Survey Results
University of Northern British Columbia
14.1401: Environmental/environmental health engineering
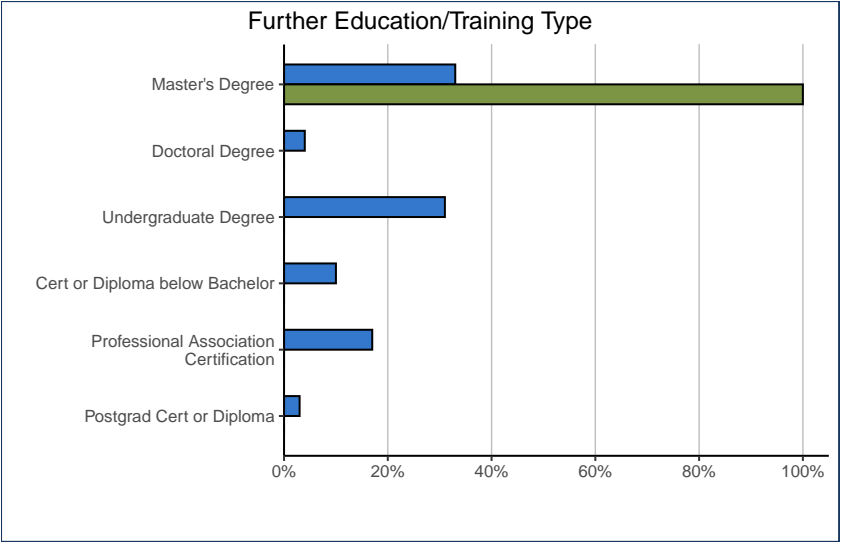
	UNBC
14.1401	

EMPLOYMENT

Labour Fource Status:	14.1401		UNBC	
In Labour Force (working or seeking work)	9	82%	121	83%
Not in Labour Force	2	18%	25	17%
Total	11	100%	146	100%

Employment:	14.1401		UNBC	
Employment Rate*	9	75%	115	77%
Unemployment Rate**	0	0.0%	6	5.0%

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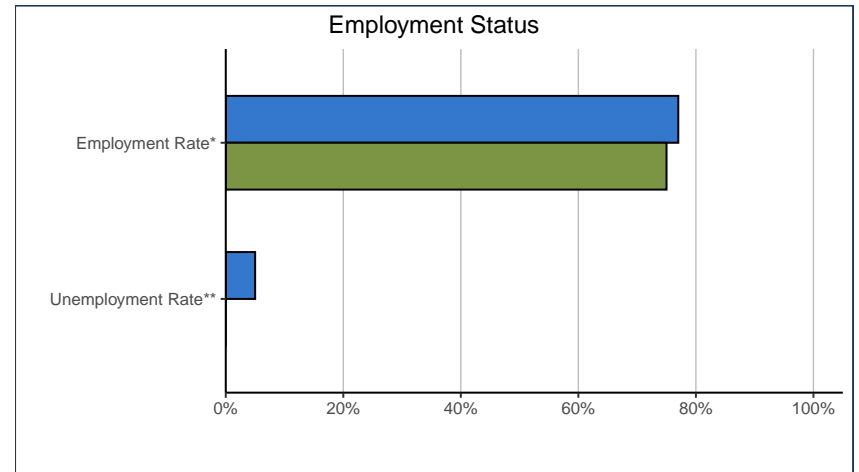
Employment Status

Status of Graduates NOT in Labour Force:	14.1401		UNBC	
Attending School FT	1	50%	19	76%
Attending School PT	0	0%	2	8%
Other	1	50%	4	16%
Total NOT in Labour Force	2	100%	25	100%

Primary Employment Type:	14.1401		UNBC	
Paid Worker	9	100%	113	98%
Self–Employed	0	0%	2	2%
Total	9	100%	115	100%

Job Characteristics:	14.1401		UNBC	
I hold more than one job*	0	0%	17	15%
My main job is full–time (>= 30 hours per week)**	8	89%	99	90%

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

"Under–Employment" Assessment
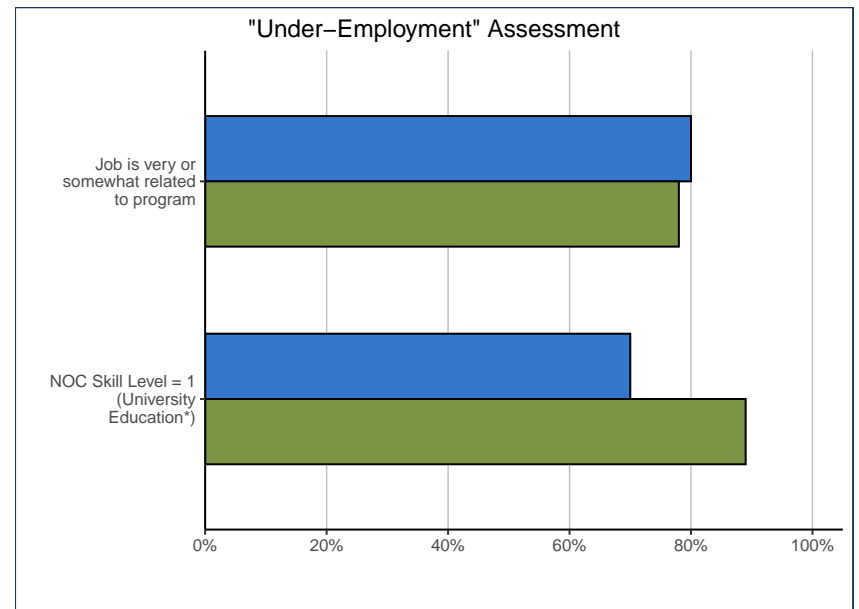
How related is your main job to your program?	14.1401		UNBC	
Very Related	7	78%	70	61%
Somewhat Related	0	0%	22	19%
Not Very Related	1	11%	10	9%
Not at All Related	1	11%	13	11%
Total	9	100%	115	100%

"Under–Employment" Assessment:	14.1401		UNBC	
Job is very or somewhat related to program	7	78%	92	80%
NOC Skill Level = 1 (University Education)*	8	89%	78	70%

*Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	14.1401		UNBC	
Less than $20,000	~	~	~	~
$20,000 to $39,999	~	~	~	~
$40,000 to $59,999	0	0%	17	18%
$60,000 to $79,999	~	~	41	44%
$80,000 to $99,999	~	~	17	18%
$100,000 and Above	0	0%	9	10%
Total	7	100%	94	100%
Median Annual Income (full–time) ($)	66,983		70,666	
Average Annual Income (full–time) ($)	68,467		72,179	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
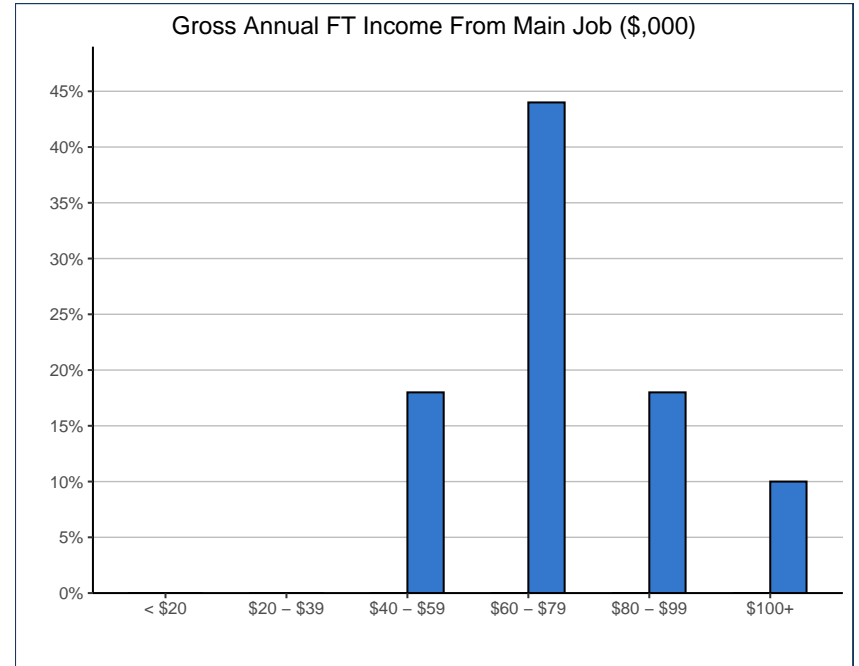
NOC Skill Type of Main Job (NOC 2021):	14.1401		UNBC	
Legislative and senior management	0	0%	0	0%
Business, finance & administration	0	0%	20	18%
Natural & applied sciences & related	7	78%	27	24%
Health	0	0%	18	16%
Education, law and social, community & government	2	22%	37	33%
Art, culture, recreation & sport	0	0%	0	0%
Sales & service	0	0%	4	4%
Trades, transport & equipment operators & related	0	0%	3	3%
Natural resources, agriculture & related production	0	0%	2	2%
Manufacturing & utilities	0	0%	0	0%
Total	9	100%	111	100%

Employed Graduates by NOC Skill Type

BC Student Outcomes

Detailed Summary of Survey Results
University of Northern British Columbia
14.1401: Environmental/environmental health engineering
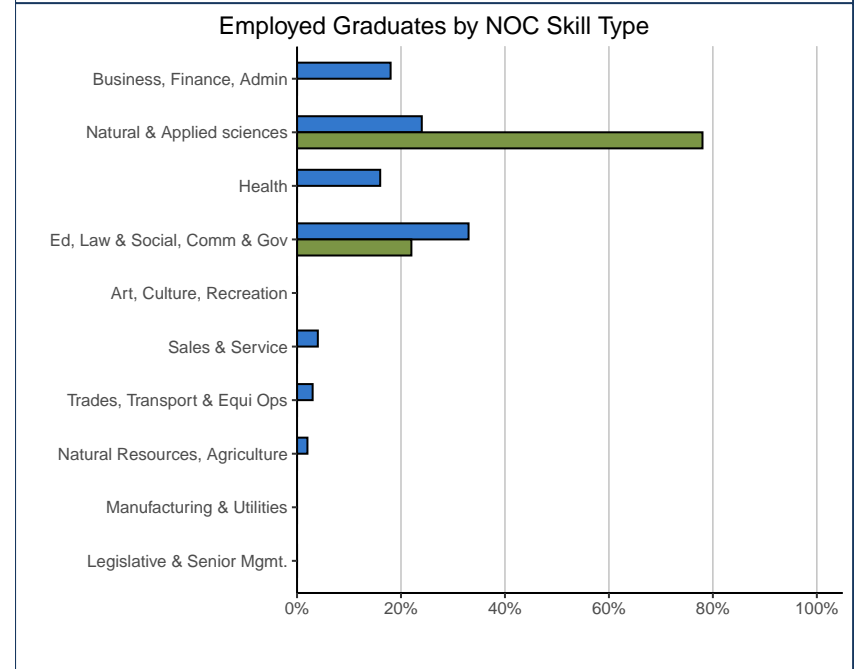
UNBC
14.1401

EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.1401		UNBC	
0. Management	0	0%	3	3%
1. University education	8	89%	78	70%
2. College education/trade apprenticeship (2+ years)	0	0%	13	12%
3. College education/trade apprenticeship (<2 years)	1	11%	8	7%
4. Secondary school + job–specific training	0	0%	8	7%
5. No formal education	0	0%	1	1%
Total	9	100%	111	100%
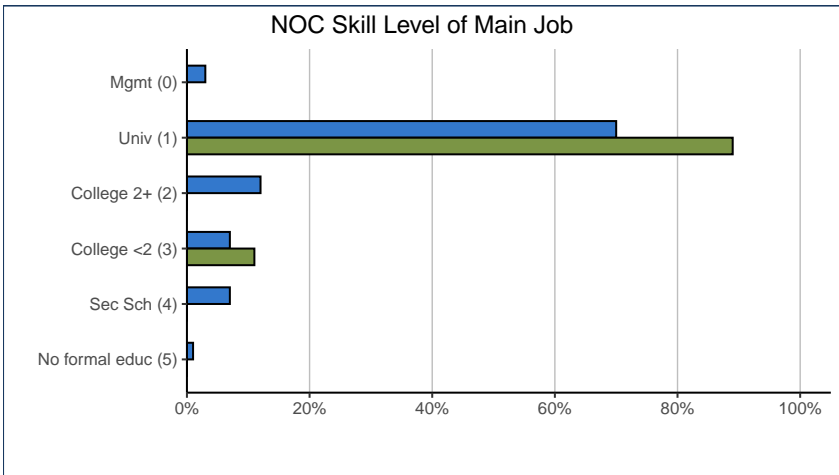
NOC Skill Level of Main Job

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.
	14.1401				
Written Communication	78%	11%	11%	0%	9
Oral Communication	89%	11%	0%	0%	9
Reading and Comprehension	89%	11%	0%	0%	9
Group Collaboration	67%	33%	0%	0%	9
Critical Anlysis	67%	33%	0%	0%	9
Problem Resolution	89%	11%	0%	0%	9
Use of Mathematics	44%	44%	0%	11%	9
Conducting Research	22%	33%	44%	0%	9
Learning on Your Own	67%	33%	0%	0%	9

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.
	UNBC				
Written Communication	81%	15%	1%	3%	112
Oral Communication	87%	11%	0%	3%	113
Reading and Comprehension	82%	14%	3%	1%	113
Group Collaboration	82%	13%	3%	2%	113
Critical Anlysis	83%	12%	1%	4%	113
Problem Resolution	85%	12%	2%	1%	113
Use of Mathematics	32%	39%	19%	10%	111
Conducting Research	38%	32%	23%	7%	111
Learning on Your Own	77%	19%	2%	3%	112

Useful Skills
"Very Useful" or "Somewhat Useful"

Top 10 Full–Time Occupations of 14.1401 Graduates*:			14.1401
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
21300	1	Civil engineers	78%
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* Data not displayed where n < 5; NOC 2021
** Percentages cited are of those employed

Top 10 Full–Time Occupations of UNBC Graduates*:			UNBC
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
31301	1	Registered nurses and registered psychiatric nurses	14%
21300	1	Civil engineers	6%
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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
University of Northern British Columbia
14.1401: Environmental/environmental health engineering

UNBC
14.1401

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.1401		UNBC	
Personal savings, investments	6	50%	52	35%
Employment while studying	3	25%	81	54%
Family/Friends	8	67%	75	50%
Personal bank loans	0	0%	13	9%
Government student loans	4	33%	55	37%
Scholarships/Bursaries/Grants	8	67%	76	51%
Other	2	17%	28	19%
Total	12		149	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	14.1401		UNBC	
Incurred any form of financial debt	6	50%	71	48%
Incurred government–sponsored student loan debt	5	42%	61	41%

* Percentage of respondents who provided data

Financial Debt Amount:*	14.1401		UNBC	
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	2	3%
$5,000 to $9,999	2	33%	6	10%
$10,000 to $14,999	1	17%	3	5%
$15,000 to $19,999	0	0%	6	10%
$20,000 to $29,999	1	17%	8	13%
$30,000 to $39,999	0	0%	8	13%
$40,000 or More	2	33%	27	45%
Total	6	100%	60	100%
Median Financial Debt ($)	18,500		31,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	14.1401		UNBC	
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	1	2%
$5,000 to $9,999	1	20%	4	8%
$10,000 to $14,999	1	20%	3	6%
$15,000 to $19,999	0	0%	10	20%
$20,000 to $29,999	1	20%	8	16%
$30,000 to $39,999	0	0%	9	18%
$40,000 or More	2	40%	14	29%
Total	5	100%	49	100%
Median Gov't–Sponsored Loan Debt ($)	24,000		25,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	14.1401		UNBC	
None – Loan repaid in full	0	0%	6	11%
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	3	6%
$5,000 to $9,999	1	25%	5	9%
$10,000 to $14,999	0	0%	5	9%
$15,000 to $19,999	1	25%	8	15%
$20,000 to $29,999	1	25%	9	17%
$30,000 to $39,999	0	0%	10	19%
$40,000 or More	1	25%	7	13%
Total	4	100%	53	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	19,500		20,000	

* 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)