

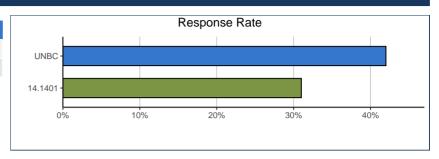
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

UNBC 14.1401

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

RESPONSE RATE

Survey Response Rate:	14.1401		UNBC	
Baccalaureate Graduates Survey Cohort	35	100%	543	100%
Survey Respondents and Response Rate	11	31%	227	42%

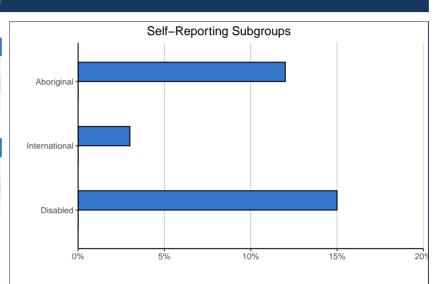


DEMOGRAPHIC INFORMATION

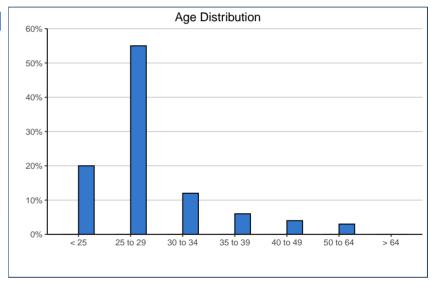
Self-Reporting Subgroups:	14.1401		UNBC	
Disabled	0	0%	32	15%
International	0	0%	6	3%
Aboriginal	0	0%	25	12%

Gender:*	14.1401		UNBC	
Male	~	~	80	35%
Female	~	~	147	65%
Total	11	100%	227	100%

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

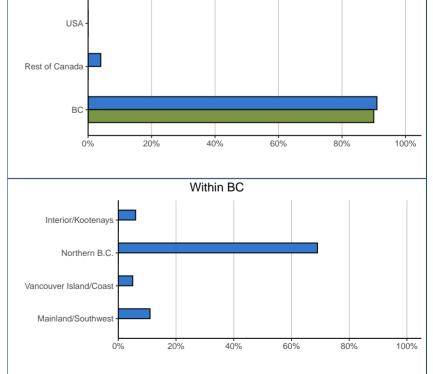


Age (at time of survey):	14.1401		UNBC	
< 25	0	0%	45	20%
25 to 29	~	~	125	55%
30 to 34	~	~	28	12%
35 to 39	~	~	14	6%
40 to 49	0	0%	9	4%
50 to 64	0	0%	6	3%
> 64	0	0%	0	0%
Total	11	100%	227	100%
Median Age	27		26	
Average (mean) Age	28		28	



Place of Residence

Place of Residence (at time of survey):	14.1401		UNBC	
BC – Mainland/Southwest	~	~	22	11%
BC - Vancouver Island/Coast	0	0%	10	5%
BC – Northern B.C.	~	~	136	69%
BC – Interior/Kootenays	~	~	11	6%
BC Subtotal	9	90%	179	91%
Canada – Alberta	~	~	8	4%
Canada – Ontario	0	0%	~	~
Canada – Other	0	0%	~	~
U.S.A.	0	0%	~	~
Non-BC Subtotal	~	~	17	9%
Total	~	~	196	100%





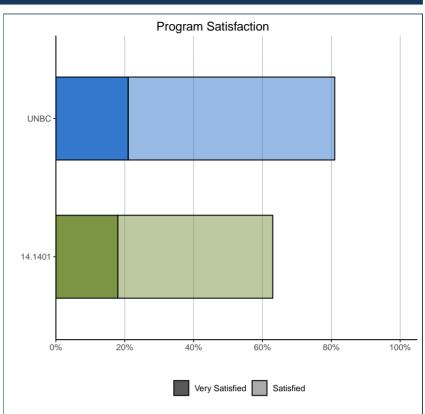


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1401		UNBC	
Very Satisfied	2	18%	46	21%
Satisfied	5	45%	134	60%
Dissatisfied	3	27%	34	15%
Very Dissatisfied	1	9%	10	4%
Total	11	100%	224	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1401		UNBC	
Very Useful	1	9%	86	44%
Somewhat Useful	8	73%	85	44%
Not Very Useful	2	18%	20	10%
Not at All Useful	0	0%	4	2%
Total	11	100%	195	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.1401		UNBC		
Yes	0	0%	18	8%		
No	11	100%	202	92%		



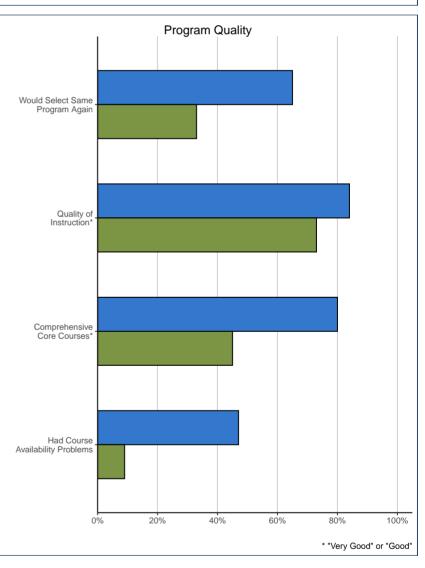
Would select the same program again:	14.1401		UNBC	
Yes	3	33%	129	65%
No	6	67%	70	35%

Quality of Instruction:	14.1	14.1401		UNBC	
Very Good	0	0 0%		22%	
Good	8	73%	141	62%	
Poor	2	18%	21	9%	
Very Poor	1	9%	14	6%	
Total	11	100%	227	100%	

Comprehensiveness of Core Courses:	14.	14.1401		UNBC	
Very Good	0	0%	40	18%	
Good	5	45%	139	62%	
Poor	6	55%	37	16%	
Very Poor	0	0%	10	4%	
Total	11	100%	226	100%	

Course Availability:	14.1	401	UNBC	
Encountered course availability problems	1	9%	103	47%

Financial Constraints:	14.1401		UN	IBC
Had to interrupt studies for financial reasons	0	0%	24	11%
Had to take program part-time for financial reasons	1	9%	32	14%

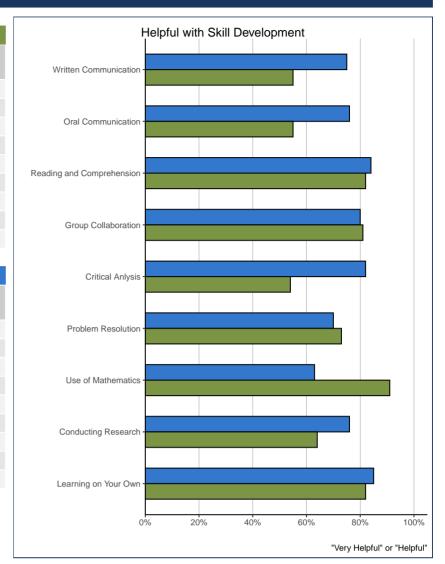




SKILL DEVELOPMENT

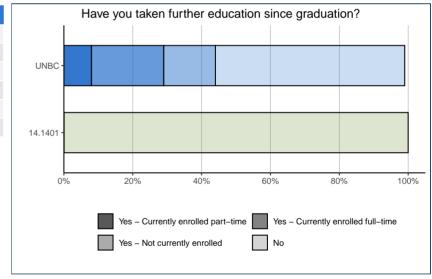
			14.1401		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	0%	55%	36%	9%	11
Oral Communication	0%	55%	36%	9%	11
Reading and Comprehension	9%	73%	9%	9%	11
Group Collaboration	45%	36%	18%	0%	11
Critical Anlysis	18%	36%	27%	18%	11
Problem Resolution	9%	64%	27%	0%	11
Use of Mathematics	9%	82%	0%	9%	11
Conducting Research	9%	55%	18%	18%	11
Learning on Your Own	55%	27%	9%	9%	11

			UNBC		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	21%	54%	17%	7%	215
Oral Communication	23%	53%	19%	5%	221
Reading and Comprehension	30%	54%	12%	5%	220
Group Collaboration	25%	55%	16%	4%	224
Critical Anlysis	40%	42%	14%	4%	225
Problem Resolution	20%	50%	26%	4%	226
Use of Mathematics	19%	44%	25%	11%	180
Conducting Research	38%	38%	17%	7%	215
Learning on Your Own	38%	47%	10%	5%	223

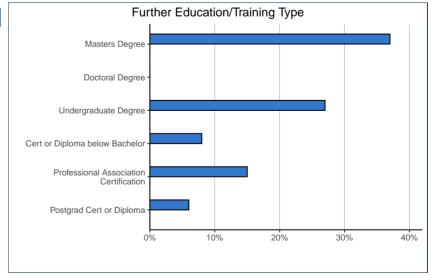


FURTHER EDUCATION

Took further education since 2020 graduation:	14.1401		UNBC	
Yes	0	0%	101	45%
Not currently enrolled	0	0%	34	15%
Currently enrolled full-time	0	0%	48	21%
Currently enrolled part-time	0	0%	18	8%
No	11	100%	125	55%
Total	11	100%	226	100%



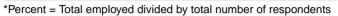
Type of Formal Post–Secondary Education:	14	14.1401		IBC
Masters Degree	0	0%	37	37%
Doctoral Degree	0	0%	0	0%
Another Undergraduate Degree	0	0%	27	27%
Certificate or Diploma below Bachelor level	0	0%	8	8%
Professional Association Certification	0	0%	15	15%
Postgraduate Certificate or Diploma	0	0%	6	6%
Other	0	0%	7	7%
Total	0	0%	100	100%



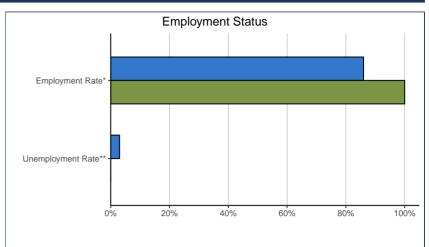


EMPLOYMENT

Labour Fource Status:	14	14.1401		BC		
In Labour Force (working or seeking work)	11	100%	201	90%		
Not in Labour Force	0	0%	23	10%		
Total	11	100%	224	100%		
Employment:	14	14.1401		14.1401 UN		BC
Employment Rate*	11	100%	195	86%		
Unemployment Rate**	0	0.0%	6	3.0%		



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

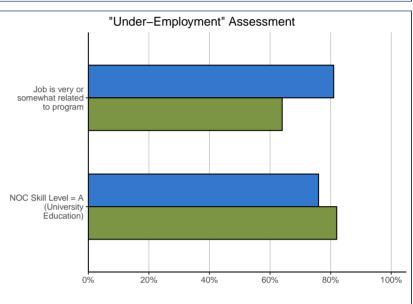


Status of Graduates NOT in Labour Force:	14.1401		UNBC	
Attending School FT	0	0%	17	74%
Attending School PT	0	0%	0	0%
Other	0	0%	6	26%
Total NOT in Labour Force	0	0%	23	100%

Primary Employment Type:	14.1401		UN	ВС
Paid worker	11	100%	192	98%
Self-employed	0	0%	3	2%
Total	11	100%	195	100%

Job Characteristics:	14.1401		UN	IBC
I hold more than one job*	0	0%	42	22%
My main job is full-time (>= 30 hours per week)**	11	100%	165	88%

^{*}Of total Employed



How related is your main job to your program?	14.1401		UNBC	
Very Related	2	18%	103	53%
Somewhat Related	5	45%	55	28%
Not Very Related	3	27%	21	11%
Not at All Related	1	9%	16	8%
Total	11	100%	195	100%

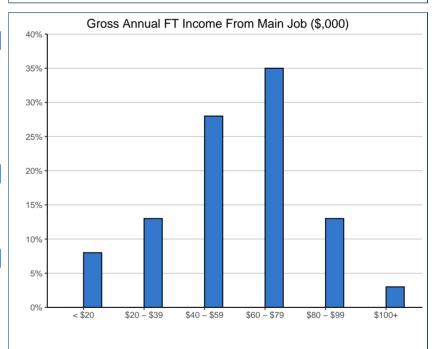
"Under-employment" Assessment:	14.1401		UNBC	
Job is very or somewhat related to program	7	64%	158	81%
NOC Skill Level = A (University Education)*	9	82%	143	76%

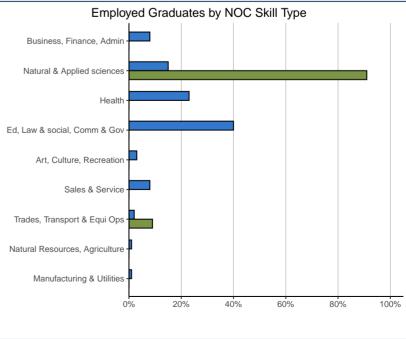
^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.1401		UNBC	
Less than \$20,000	0	0%	13	8%
\$20,000 to \$39,999	0	0%	20	13%
\$40,000 to \$59,999	~	~	45	28%
\$60,000 to \$79,999	~	~	55	35%
\$80,000 to \$99,999	~	~	20	13%
\$100,000 and Above	0	0%	5	3%
Total	9	100%	158	100%
Median Annual Income (full-time) (\$)	68,000		63,321	
Average Annual Income (full-time) (\$)	69,218		63,764	

^{*}Where data provided

NOC Skill Type of Main Job:		1401	UN	ВС
Business, finance & administration		0%	15	8%
Natural & applied sciences & related	10	91%	29	15%
Health	0	0%	43	23%
Education, law and social, community & government	0	0%	76	40%
Art, culture, recreation & sport	0	0%	6	3%
Sales & service	0	0%	15	8%
Trades, transport & equipment operators & related	1	9%	3	2%
Natural resources, agriculture & related production	0	0%	1	1%
Manufacturing & utilities	0	0%	1	1%
Total	11	100%	189	100%





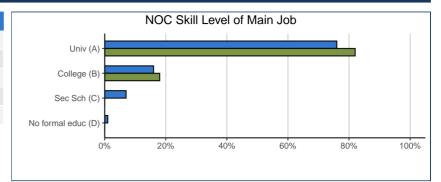
^{**}Of those who provided data on hours/week worked





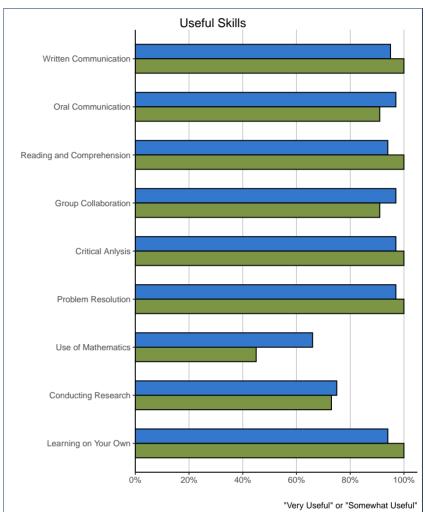
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1401		UNBC	
A. University education	9	82%	143	76%
B. College education/trade apprenticeship	2 18%		30	16%
C. Secondary school + job-specific training	0	0%	14	7%
D. No formal education	0	0%	2	1%
Total	11	100%	189	100%



	14.1401				
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	73%	27%	0%	0%	11
Oral Communication	82%	9%	9%	0%	11
Reading and Comprehension	82%	18%	0%	0%	11
Group Collaboration	64%	27%	9%	0%	11
Critical Anlysis	73%	27%	0%	0%	11
Problem Resolution	82%	18%	0%	0%	11
Use of Mathematics	27%	18%	55%	0%	11
Conducting Research	9%	64%	27%	0%	11
Learning on Your Own	64%	36%	0%	0%	11

	UNBC				
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	75%	20%	2%	3%	193
Oral Communication	82%	15%	2%	2%	194
Reading and Comprehension	74%	20%	4%	2%	192
Group Collaboration	84%	13%	2%	2%	194
Critical Anlysis	84%	13%	0%	3%	193
Problem Resolution	82%	15%	1%	2%	194
Use of Mathematics	31%	35%	24%	10%	188
Conducting Research	37%	38%	15%	10%	191
Learning on Your Own	69%	25%	3%	3%	194



Top 10 Full-1	time Occupations of 14.1401	Graduates:	14.1401
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2131	A	Civil engineers	82%
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^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed

Top 10 Full-time Occupations of UNBC Graduates:		UNBC	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	17%
4152	А	Social workers	7%
4032	Α	Elementary school and kindergarten teachers	6%
2131	Α	Civil engineers	5%
4031	A	Secondary school teachers	4%
4212	В	Social and community service workers	3%
2121	А	Biologists and related scientists	3%
4161	A	Natural and applied science policy researchers, consultants and program officers	3%
*			
*			

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



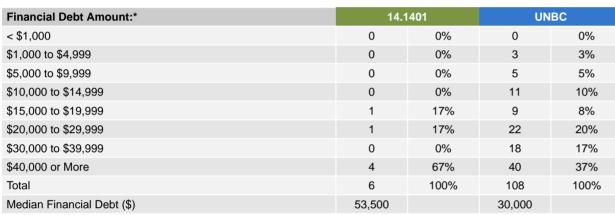
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.1401		UN	IBC
Personal savings, investments	2	2 18%		33%
Employment while studying		64%	139	63%
Family/Friends	4	36%	107	48%
Personal bank loans	1	9%	21	10%
Government student loans	5	45%	86	39%
Scholarships/Bursaries/Grants	4	36%	105	48%
Other	5	45%	48	22%
Total	11		221	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1401		UNBC	
Incurred any form of financial debt	6	55%	117	53%
Incurred government-sponsored student loan debt	5 45%		93	42%

^{*} Percentage of respondents who provided data



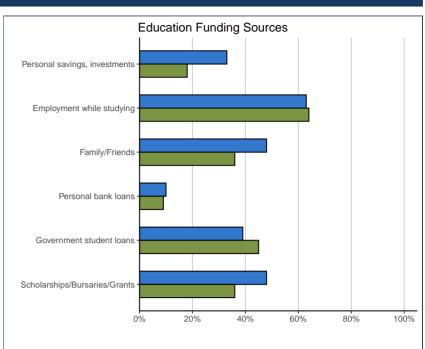
^{*} Includes only cases where financial debt was incurred

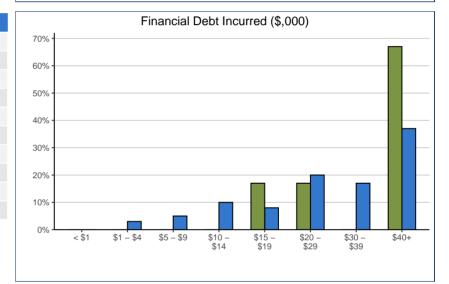


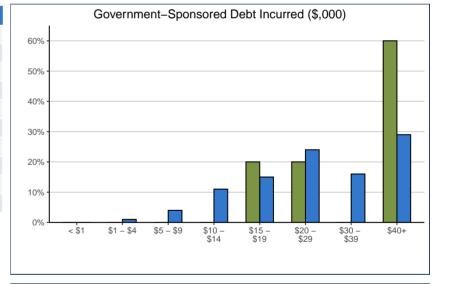
^{*} Includes only cases where government-sponsored debt was incurred

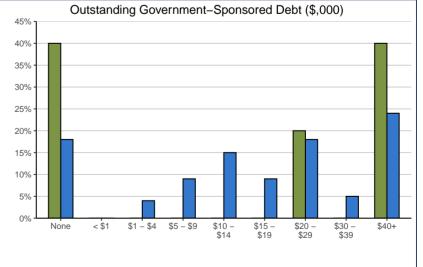


^{*} Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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