

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

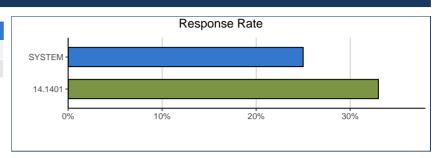
14.1401

Detailed Summary of Survey Results
All Institutions

14.1401: Environmental/environmental health engineering

### RESPONSE RATE

Survey Response Rate:	14.1401		SYSTEM	
Baccalaureate Graduates Survey Cohort	42	100%	24,572	100%
Survey Respondents and Response Rate	14	33%	6,200	25%

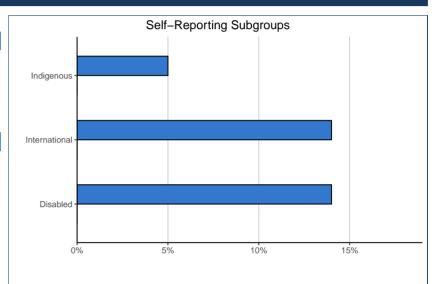


### DEMOGRAPHIC INFORMATION

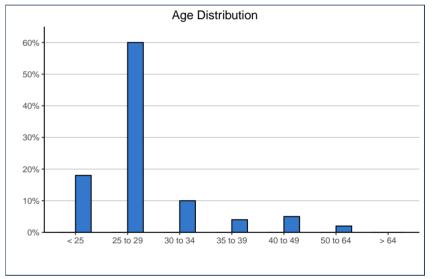
Self-Reporting Subgroups:	14.1401		SYSTEM	
Disabled	~	~	851	14%
International	~	~	878	14%
Indigenous	0	0%	264	5%

Gender:*	14.1401		SYSTEM	
Man/Boy	8	57%	2,656	43%
Woman/Girl	6	43%	3,527	57%
Total	14	100%	6,183	100%

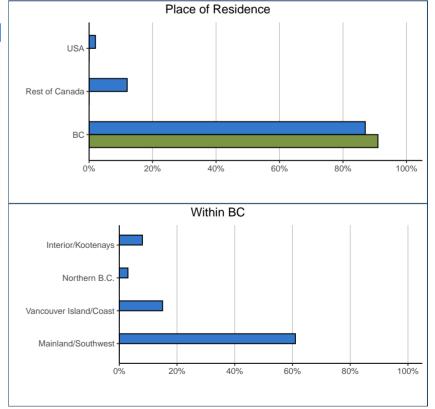
<sup>\*</sup>Due to zero or low counts, institution-reported "Non-Binary" demographic data are not included



Age (at time of survey):	14.1401		SYS	TEM
< 25	~	~	1,133	18%
25 to 29	~	~	3,740	60%
30 to 34	0	0%	617	10%
35 to 39	0	0%	271	4%
40 to 49	0	0%	279	5%
50 to 64	0	0%	129	2%
> 64	0	0%	17	0%
Total	14	100%	6,186	100%
Median Age	26		26	
Average (mean) Age	26		28	



Place of Residence (at time of survey):	14	14.1401		SYSTEM	
BC – Mainland/Southwest	~	~ ~		61%	
BC - Vancouver Island/Coast	0	0%	809	15%	
BC – Northern B.C.	~	~	160	3%	
BC – Interior/Kootenays	~	~	459	8%	
BC Subtotal	10	91%	4,833	87%	
Canada – Alberta	0	0%	266	5%	
Canada – Ontario	0	0%	212	4%	
Canada – Other	~	~	139	3%	
U.S.A.	0	0%	100	2%	
Non-BC Subtotal	~	~	717	13%	
Total	~	~	5,550	100%	





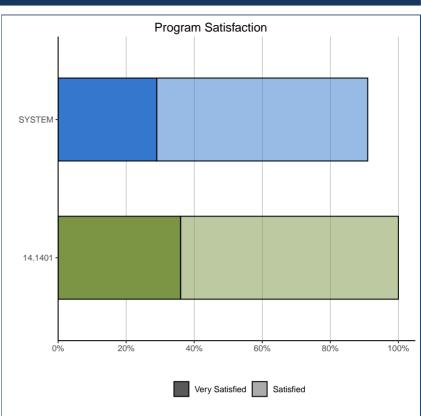


#### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	14.1401		SYSTEM	
Very Satisfied	5	36%	1,771	29%
Satisfied	9	64%	3,775	62%
Dissatisfied	0	0%	469	8%
Very Dissatisfied	0	0%	110	2%
Total	14	100%	6,125	100%

14.1401		SYSTEM	
4	36%	1,989	40%
7	64%	2,266	46%
0	0%	531	11%
0	0%	158	3%
11	100%	4,944	100%
	4 7 0	4 36% 7 64% 0 0% 0 0%	4 36% 1,989 7 64% 2,266 0 0% 531 0 0% 158

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.1401		SYSTEM		
Yes	0	0%	515	9%		
No	14	100%	5,527	91%		



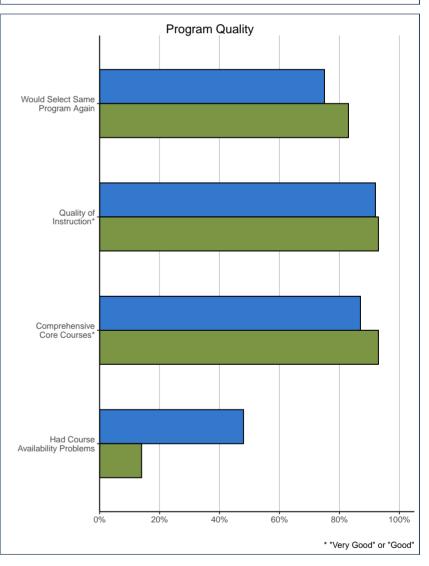
Would select the same program again:	14.1401		SYSTEM	
Yes	10	83%	4,137	75%
No	2	17%	1,363	25%

Quality of Instruction:	14.1401		SYSTEM	
Very Good	2 14%		1,727	28%
Good	11	79%	3,934	64%
Poor	1	7%	402	7%
Very Poor	0	0%	77	1%
Total	14	100%	6.140	100%

Comprehensiveness of Core Courses:	14.1401		SYSTEM	
Very Good	2	14%	1,667	27%
Good	11	79%	3,645	60%
Poor	1	7%	649	11%
Very Poor	0	0%	115	2%
Total	14	100%	6,076	100%

Course Availability:	14.1401		SYSTEM	
Encountered course availability problems	2	14%	2.918	48%

Financial Constraints:	14.1401		SYSTEM	
Had to interrupt studies for financial reasons	0	0%	565	9%
Had to take program part-time for financial reasons	0	0%	955	16%



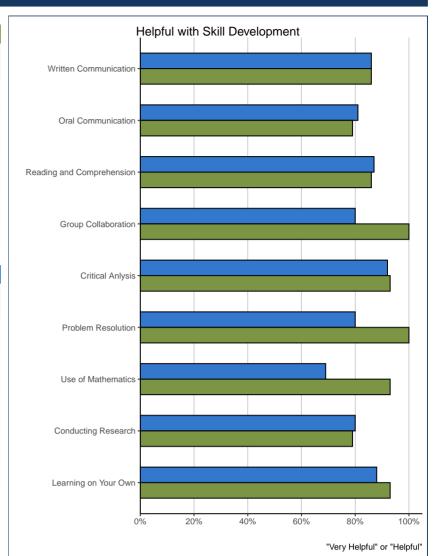




#### SKILL DEVELOPMENT

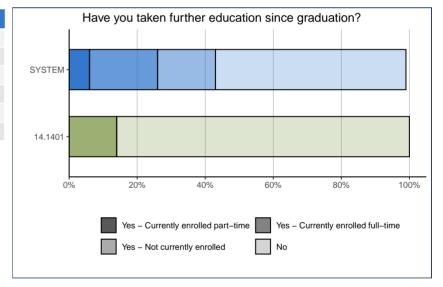
	14.1401				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	7%	79%	14%	0%	14
Oral Communication	29%	50%	21%	0%	14
Reading and Comprehension	36%	50%	14%	0%	14
Group Collaboration	43%	57%	0%	0%	14
Critical Anlysis	50%	43%	7%	0%	14
Problem Resolution	29%	71%	0%	0%	14
Use of Mathematics	57%	36%	7%	0%	14
Conducting Research	29%	50%	21%	0%	14
Learning on Your Own	36%	57%	7%	0%	14

	SYSTEM				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	29%	57%	13%	2%	6,011
Oral Communication	25%	56%	16%	2%	6,039
Reading and Comprehension	32%	55%	12%	1%	6,026
Group Collaboration	30%	50%	17%	4%	6,055
Critical Anlysis	43%	49%	7%	2%	6,142
Problem Resolution	25%	55%	18%	3%	5,966
Use of Mathematics	22%	47%	24%	7%	4,674
Conducting Research	32%	48%	17%	3%	5,806
Learning on Your Own	39%	49%	9%	2%	6,059

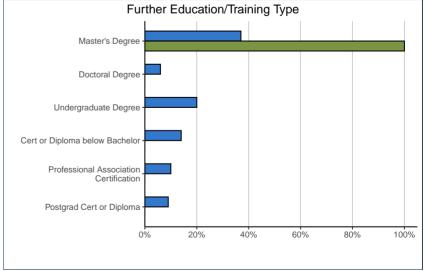


#### **FURTHER EDUCATION**

Took further education since 2022 graduation:	14.1401		SYSTEM	
Yes	2	14%	2,708	44%
Not currently enrolled	0	0%	1,069	17%
Currently enrolled full-time	2	14%	1,219	20%
Currently enrolled part-time	0	0%	389	6%
No	12	86%	3,459	56%
Total	14	100%	6,167	100%



Type of Formal Post–Secondary Education:	14.	14.1401		TEM
Master's Degree	2	100%	979	37%
Doctoral Degree	0	0%	155	6%
Another Undergraduate Degree	0	0%	543	20%
Certificate or Diploma below Bachelor Level	0	0%	374	14%
Professional Association Certification	0	0%	274	10%
Postgraduate Certificate or Diploma	0	0%	238	9%
Other	0	0%	119	4%
Total	2	100%	2,682	100%

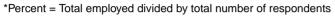




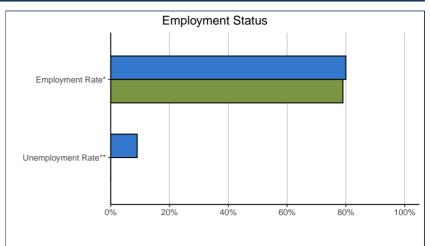


#### **EMPLOYMENT**

Labour Fource Status:	14.1401		SYSTEM	
In Labour Force (working or seeking work)	11	85%	5,472	90%
Not in Labour Force	2	15%	613	10%
Total	13	100%	6,085	100%
Employment:	14.	14.1401		TEM
Employment Rate*	11	79%	4,982	80%



<sup>\*\*</sup>Percent = Total unemployed divided by total number in labour force

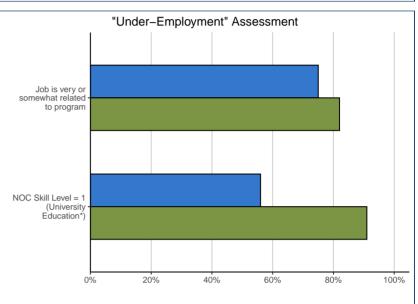


Status of Graduates NOT in Labour Force:	14.1401		SYSTEM	
Attending School FT	1	50%	446	73%
Attending School PT	0	0%	19	3%
Other	1	50%	148	24%
Total NOT in Labour Force	2	100%	613	100%

Primary Employment Type:	14.1401		SYSTEM	
Paid Worker	11	100%	4,678	94%
Self-Employed	0	0%	296	6%
Total	11	100%	4,974	100%

Job Characteristics:	14.	14.1401		TEM
I hold more than one job*	0	0%	941	19%
My main job is full-time (>= 30 hours per week)**	10	91%	4,109	87%

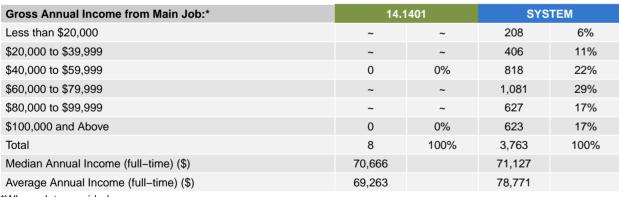
<sup>\*</sup>Of total employed



How related is your main job to your program?	14.1401		SYSTEM	
Very Related	8	73%	2,190	44%
Somewhat Related	1	9%	1,532	31%
Not Very Related	1	9%	579	12%
Not at All Related	1	9%	668	13%
Total	11	100%	4,969	100%

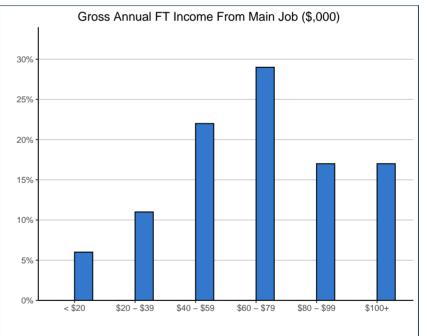
14.1401		SYSTEM	
9	82%	3,722	75%
10	91%	2,648	56%
	9	9 82%	9 82% 3,722

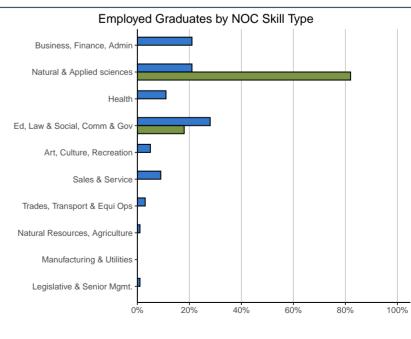
*Of total valid re	esponses; NOC	2021	(TEER)
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\*Where data provided

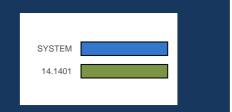
NOC Skill Type of Main Job (NOC 2021):	14.1401		SYSTEM	
Legislative and senior management	0	0%	59	1%
Business, finance & administration	0	0%	982	21%
Natural & applied sciences & related	9	82%	966	21%
Health	0	0%	527	11%
Education, law and social, community & government	2	18%	1,323	28%
Art, culture, recreation & sport	0	0%	239	5%
Sales & service	0	0%	435	9%
Trades, transport & equipment operators & related	0	0%	119	3%
Natural resources, agriculture & related production	0	0%	34	1%
Manufacturing & utilities	0	0%	19	0%
Total	11	100%	4,703	100%





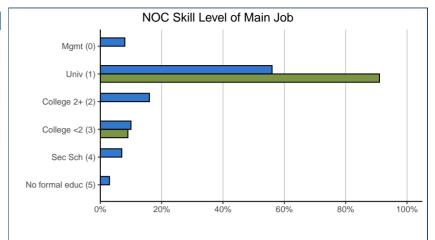
<sup>\*\*</sup>Of those who provided data on hours/week worked





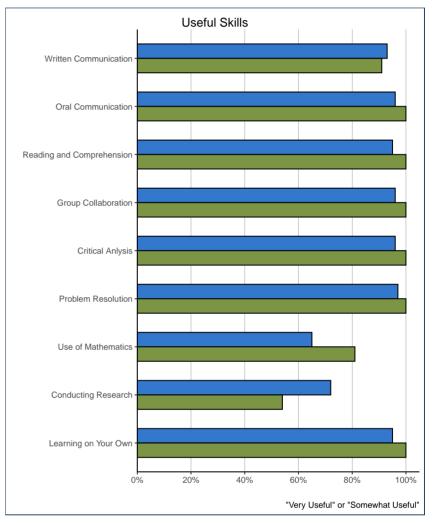
#### EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.	14.1401		TEM
0. Management	0	0 0%		8%
1. University education		91%	2,648	56%
2. College education/trade apprenticeship (2+ years)	0	0%	748	16%
3. College education/trade apprenticeship (<2 years)	1	9%	476	10%
4. Secondary school + job-specific training	0	0%	322	7%
5. No formal education	0	0%	127	3%
Total	11	100%	4,703	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	82%	9%	9%	0%	11
Oral Communication	91%	9%	0%	0%	11
Reading and Comprehension	91%	9%	0%	0%	11
Group Collaboration	73%	27%	0%	0%	11
Critical Anlysis	73%	27%	0%	0%	11
Problem Resolution	91%	9%	0%	0%	11
Use of Mathematics	45%	36%	9%	9%	11
Conducting Research	27%	27%	45%	0%	11
Learning on Your Own	55%	45%	0%	0%	11

			SYSTEM		
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%	22%	5%	2%	4,946
Oral Communication	77%	19%	3%	1%	4,956
Reading and Comprehension	73%	22%	3%	1%	4,946
Group Collaboration	78%	18%	2%	1%	4,952
Critical Anlysis	77%	19%	3%	1%	4,949
Problem Resolution	79%	18%	2%	1%	4,949
Use of Mathematics	30%	35%	22%	14%	4,790
Conducting Research	39%	33%	17%	11%	4,847
Learning on Your Own	69%	26%	3%	1%	4,942



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	82%
*			
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 $<sup>^{\</sup>star}$  Data not displayed where n < 5; NOC 2021

<sup>\*\*</sup> Percentages cited are of those employed

Top 10 Full-Time Occupations of SYSTEM Graduates*:			SYSTEM
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
31301	1	Registered nurses and registered psychiatric nurses	5%
21231	1	Software engineers and designers	4%
XXXXX	Χ	Unclassified occupations	4%
41221	1	Elementary school and kindergarten teachers	3%
11202	1	Professional occupations in advertising, marketing and public relations	2%
11100	1	Financial auditors and accountants	2%
42201	2	Social and community service workers	2%
21232	1	Software developers and programmers	2%
13100	3	Administrative officers	2%
41220	1	Secondary school teachers	2%

<sup>\*</sup> Data not displayed where n < 5; NOC 2021

<sup>\*\*</sup> Percentages cited are of those employed





#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	14.	14.1401		TEM
Personal savings, investments	7	7 50%		32%
Employment while studying		21%	3,012	50%
Family/Friends	10	71%	3,627	60%
Personal bank loans	0	0%	337	6%
Government student loans	4	29%	2,007	33%
Scholarships/Bursaries/Grants	8	57%	1,988	33%
Other	3	21%	1,362	22%
Total	14		6,073	

<sup>\*</sup> Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1401		SYSTEM	
Incurred any form of financial debt	43%	2,595	43%	
Incurred government-sponsored student loan debt	5	36%	2,232	36%

<sup>\*</sup> Percentage of respondents who provided data



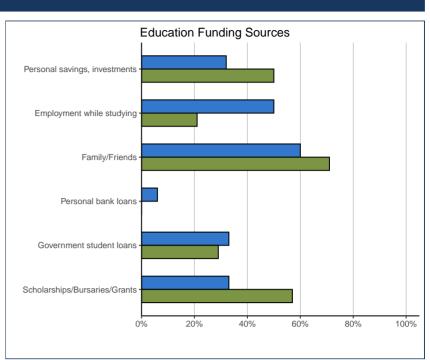
<sup>\*</sup> Includes only cases where financial debt was incurred

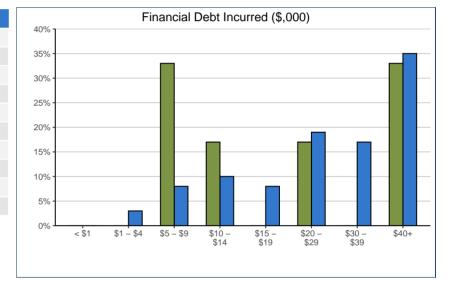


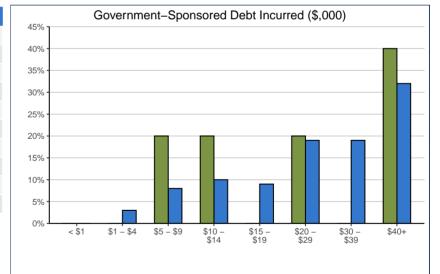
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

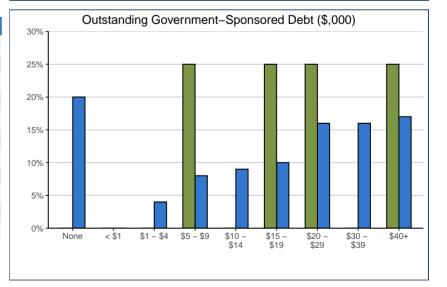


<sup>\*</sup> Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









<sup>\*\*</sup> Median amounts shown are based on those who had remaining government student loan debt