

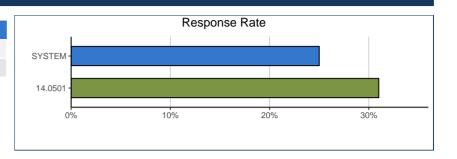
B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

SYSTEM 14.0501

Detailed Summary of Survey Results
All Institutions
14.0501: Bioengineering and biomedical engineering

RESPONSE RATE

Survey Response Rate:	14.0501		SYS	TEM
Baccalaureate Graduates Survey Cohort	157	100%	24,572	100%
Survey Respondents and Response Rate	49	31%	6,200	25%

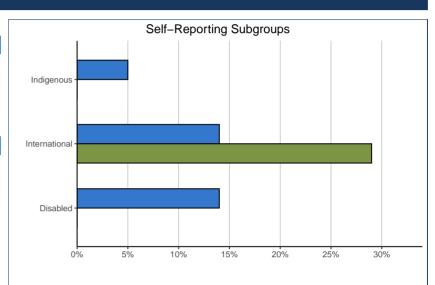


DEMOGRAPHIC INFORMATION

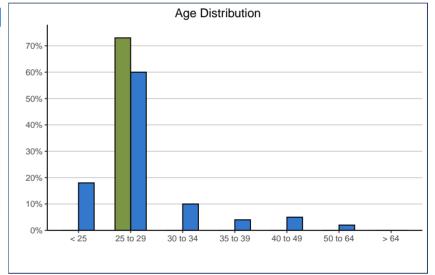
Self-Reporting Subgroups:	14.0501		SYSTEM	
Disabled	~	~	851	14%
International	14	29%	878	14%
Indigenous	0	0%	264	5%

Gender:*	14.0501		SYSTEM	
Man/Boy	29	59%	2,656	43%
Woman/Girl	20	41%	3,527	57%
Total	49	100%	6,183	100%

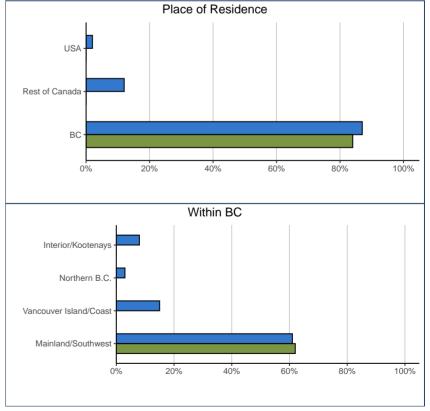
^{*}Due to zero or low counts, institution-reported "Non-Binary" demographic data are not included



Age (at time of survey):	14.0501		SYSTEM	
< 25	~	~	1,133	18%
25 to 29	36	73%	3,740	60%
30 to 34	~	~	617	10%
35 to 39	0	0%	271	4%
40 to 49	~	~	279	5%
50 to 64	0	0%	129	2%
> 64	0	0%	17	0%
Total	49	100%	6,186	100%
Median Age	25		26	
Average (mean) Age	26		28	



Place of Residence (at time of survey):	14.0501		SYSTEM	
BC – Mainland/Southwest	28	62%	3,405	61%
BC - Vancouver Island/Coast	~	~	809	15%
BC – Northern B.C.	0	0%	160	3%
BC – Interior/Kootenays	~	~	459	8%
BC Subtotal	38	84%	4,833	87%
Canada – Alberta	~	~	266	5%
Canada – Ontario	~	~	212	4%
Canada – Other	~	~	139	3%
U.S.A.	0	0%	100	2%
Non-BC Subtotal	7	16%	717	13%
Total	45	100%	5,550	100%







EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0501		SYSTEM	
Very Satisfied	10	21%	1,771	29%
Satisfied	34	71%	3,775	62%
Dissatisfied	4	8%	469	8%
Very Dissatisfied	0	0%	110	2%
Total	48	100%	6,125	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0501		SYSTEM	
Very Useful	14	38%	1,989	40%
Somewhat Useful	18	49%	2,266	46%
Not Very Useful	5	14%	531	11%
Not at All Useful	0	0%	158	3%
Total	37	100%	4,944	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.0501		SYSTEM		
Yes	3	6%	515	9%		
No	46	94%	5,527	91%		



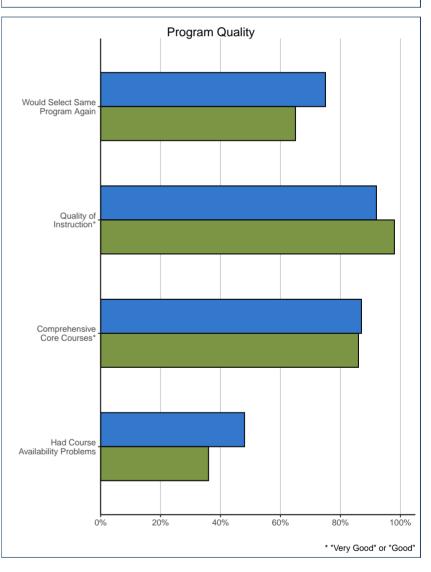
Would select the same program again:	14.0501		SYSTEM	
Yes	26	65%	4,137	75%
No	14	35%	1,363	25%

Quality of Instruction:	14.0	14.0501		SYSTEM	
Very Good	10	21%	1,727	28%	
Good	36	77%	3,934	64%	
Poor	1	2%	402	7%	
Very Poor	0	0%	77	1%	
Total	47	100%	6,140	100%	

Comprehensiveness of Core Courses:	14.	14.0501		SYSTEM	
Very Good	8	17%	1,667	27%	
Good	33	69%	3,645	60%	
Poor	7	15%	649	11%	
Very Poor	0	0%	115	2%	
Total	48	100%	6.076	100%	

Course Availability:	14.0501		SYSTEM	
Encountered course availability problems	17 36%		2,918	48%

Financial Constraints:	14.0501		SYS	TEM
Had to interrupt studies for financial reasons	1	2%	565	9%
Had to take program part-time for financial reasons	4	8%	955	16%



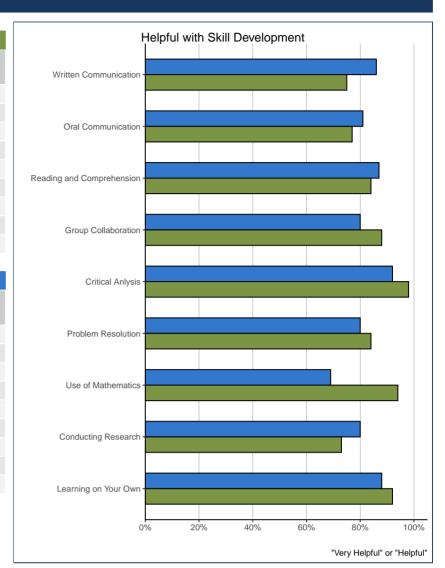




SKILL DEVELOPMENT

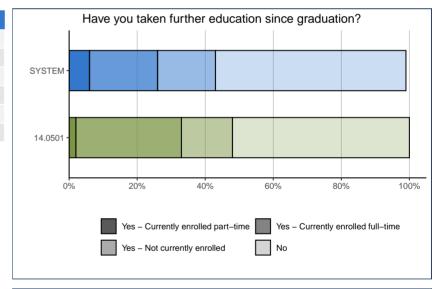
			14.0501		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	12%	63%	24%	0%	49
Oral Communication	17%	60%	23%	0%	48
Reading and Comprehension	15%	69%	15%	2%	48
Group Collaboration	43%	45%	12%	0%	49
Critical Anlysis	48%	50%	2%	0%	48
Problem Resolution	31%	53%	12%	4%	49
Use of Mathematics	57%	37%	6%	0%	49
Conducting Research	25%	48%	27%	0%	48
Learning on Your Own	42%	50%	6%	2%	48

			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

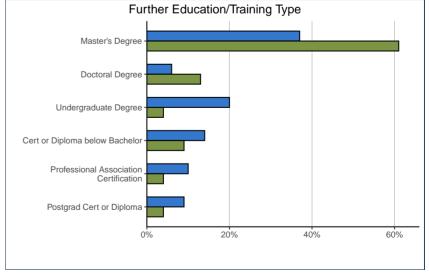


FURTHER EDUCATION

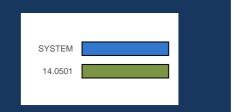
Took further education since 2022 graduation:	14.0501		SYS	TEM
Yes	23	48%	2,708	44%
Not currently enrolled	7	15%	1,069	17%
Currently enrolled full-time	15	31%	1,219	20%
Currently enrolled part-time	1	2%	389	6%
No	25	52%	3,459	56%
Total	48	100%	6,167	100%



Type of Formal Post–Secondary Education:	14.	14.0501		TEM
Master's Degree	14	61%	979	37%
Doctoral Degree	3	13%	155	6%
Another Undergraduate Degree	1	4%	543	20%
Certificate or Diploma below Bachelor Level	2	9%	374	14%
Professional Association Certification	1	4%	274	10%
Postgraduate Certificate or Diploma	1	4%	238	9%
Other	1	4%	119	4%
Total	23	100%	2,682	100%







EMPLOYMENT

490

9.0%

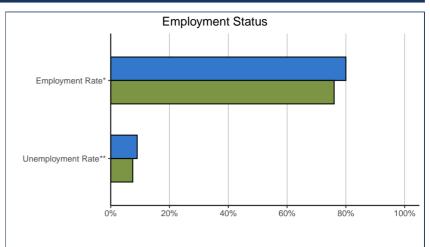
Labour Fource Status:	14.	14.0501		TEM		
In Labour Force (working or seeking work)	40	82%	5,472	90%		
Not in Labour Force	9	18%	613	10%		
Total	49	100%	6,085	100%		
Employment:	14.	14.0501		14.0501 SY		TEM
Employment Rate*	37	76%	4,982	80%		

3

7.5%



^{**}Percent = Total unemployed divided by total number in labour force

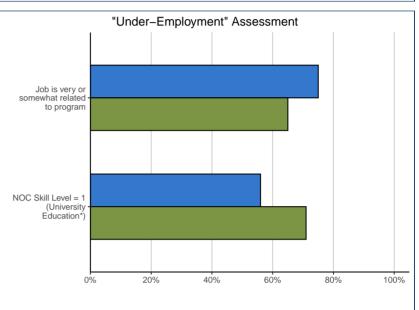


Status of Graduates NOT in Labour Force:	14.0501		SYSTEM	
Attending School FT	7	78%	446	73%
Attending School PT	1	11%	19	3%
Other	1	11%	148	24%
Total NOT in Labour Force	9	100%	613	100%

Primary Employment Type:	14.0501		SYS	TEM
Paid Worker	37	100%	4,678	94%
Self-Employed	0	0%	296	6%
Total	37	100%	4,974	100%

Job Characteristics:	14.0501		SYS	TEM
I hold more than one job*	5	14%	941	19%
My main job is full-time (>= 30 hours per week)**	34	97%	4,109	87%

^{*}Of total employed



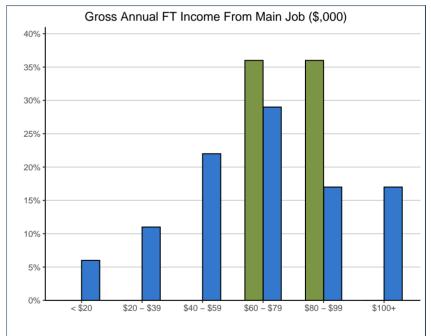
How related is your main job to your program?	14.0501		SYS	TEM
Very Related	10	27%	2,190	44%
Somewhat Related	14	38%	1,532	31%
Not Very Related	8	22%	579	12%
Not at All Related	5	14%	668	13%
Total	37	100%	4,969	100%

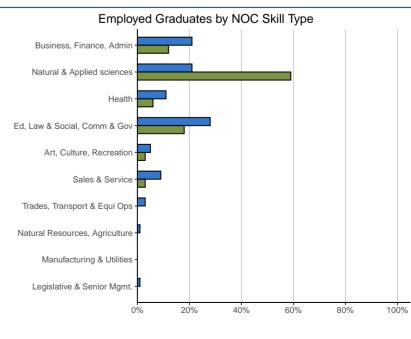
"Under-Employment" Assessment:	14.0501		SYSTEM	
Job is very or somewhat related to program	24	65%	3,722	75%
NOC Skill Level = 1 (University Education)*	24	71%	2,648	56%

^{*}Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	14.0501		SYSTEM	
Less than \$20,000	0	0%	208	6%
\$20,000 to \$39,999	~	~	406	11%
\$40,000 to \$59,999	~	~	818	22%
\$60,000 to \$79,999	9	36%	1,081	29%
\$80,000 to \$99,999	9	36%	627	17%
\$100,000 and Above	~	~	623	17%
Total	25	100%	3,763	100%
Median Annual Income (full-time) (\$)	76,912		71,127	
Average Annual Income (full-time) (\$)	79,246		78,771	
*Where data provided				

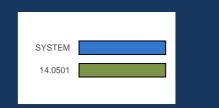
Whole data provided				
NOC Skill Type of Main Job (NOC 2021):	C Skill Type of Main Job (NOC 2021): 14.0501		SYSTEM	
Legislative and senior management	0	0%	59	1%
Business, finance & administration	4	12%	982	21%
Natural & applied sciences & related	20	59%	966	21%
Health	2	6%	527	11%
Education, law and social, community & government	6	18%	1,323	28%
Art, culture, recreation & sport	1	3%	239	5%
Sales & service	1	3%	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	34	100%	4,703	100%





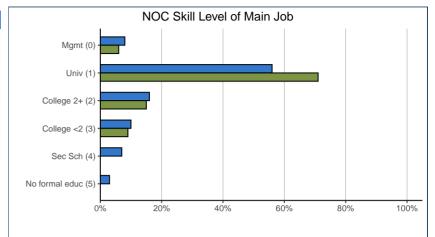
^{**}Of those who provided data on hours/week worked





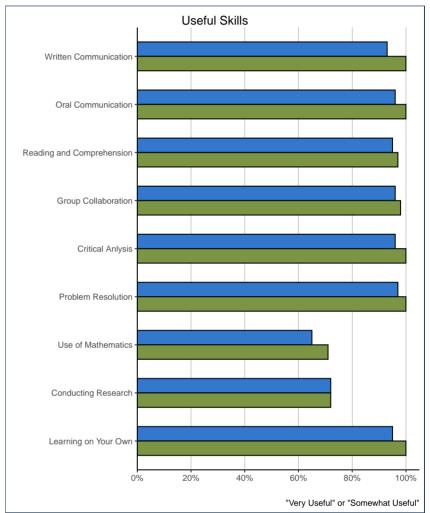
EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.0	14.0501		TEM
0. Management	2	2 6%		8%
1. University education		71%	2,648	56%
2. College education/trade apprenticeship (2+ years)	5	15%	748	16%
3. College education/trade apprenticeship (<2 years)	3	9%	476	10%
4. Secondary school + job-specific training	0	0%	322	7%
5. No formal education	0	0%	127	3%
Total	34	100%	4,703	100%



		14.0501			
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%	37
Oral Communication	81%	19%	0%	0%	37
Reading and Comprehension	62%	35%	3%	0%	37
Group Collaboration	76%	22%	0%	3%	37
Critical Anlysis	92%	8%	0%	0%	37
Problem Resolution	81%	19%	0%	0%	36
Use of Mathematics	34%	37%	29%	0%	35
Conducting Research	33%	39%	28%	0%	36
Learning on Your Own	65%	35%	0%	0%	37

	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-Tin	ne Occupations of 14.0501	Graduates*:	14.0501
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
21320	1	Chemical engineers	16%
*			
*			
*			
*			
*			
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*			
*			
*			

 $^{^{\}star}$ Data not displayed where n < 5; NOC 2021

^{**} 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	X	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%

^{*} Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.0501		TEM
Personal savings, investments	13	13 27%		32%
Employment while studying		42%	3,012	50%
Family/Friends	39	81%	3,627	60%
Personal bank loans	1	2%	337	6%
Government student loans	10	21%	2,007	33%
Scholarships/Bursaries/Grants	23	48%	1,988	33%
Other	15	31%	1,362	22%
Total	48		6,073	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0501		SYSTEM	
Incurred any form of financial debt	15	31%	2,595	43%
Incurred government-sponsored student loan debt	10	20%	2,232	36%

^{*} Percentage of respondents who provided data



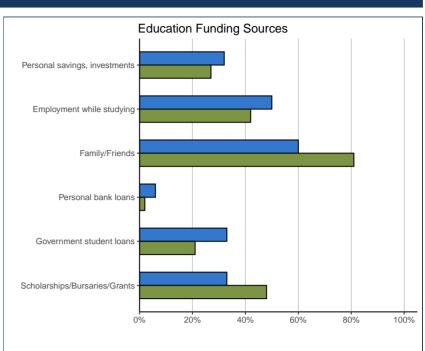
^{*} Includes only cases where financial debt was incurred

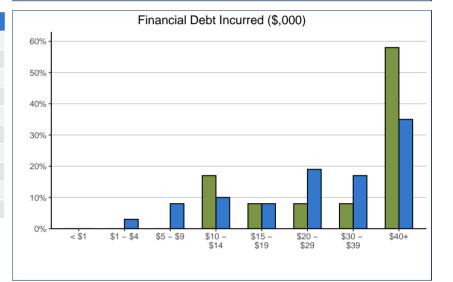


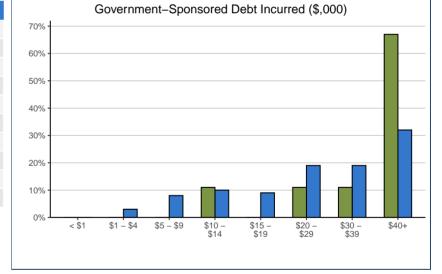
^{*} Includes only cases where government-sponsored debt was incurred

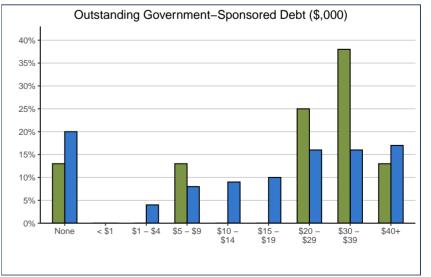


^{*} Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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