

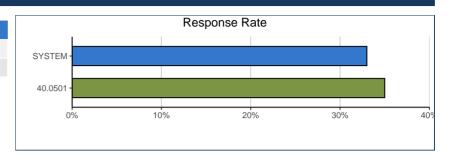
B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

SYSTEM 40.0501

Detailed Summary of Survey Results
All Institutions
40.0501: Chemistry, general

RESPONSE RATE

Survey Response Rate:	40.0501		SYSTEM	
Baccalaureate Graduates Survey Cohort	134	100%	25,962	100%
Survey Respondents and Response Rate	47	35%	8,603	33%

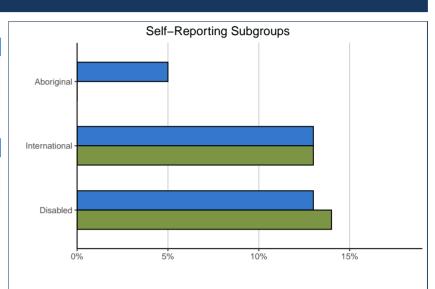


DEMOGRAPHIC INFORMATION

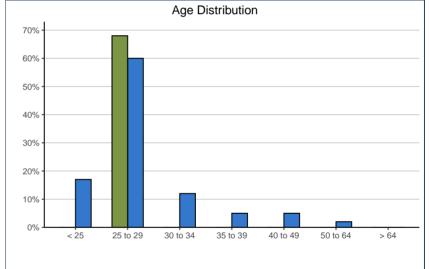
Self-Reporting Subgroups:	40.0501		SYSTEM	
Disabled	6	14%	1,079	13%
International	6	13%	1,153	13%
Aboriginal	~	~	330	5%

Gender:*	40.0501		40.0501		SYS	TEM
Male	25	54%	3,534	41%		
Female	21	46%	5,051	59%		
Total	46	100%	8,585	100%		

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

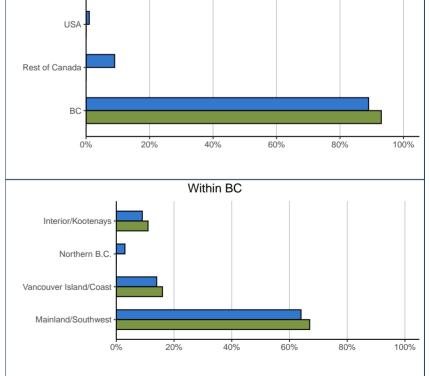


Age (at time of survey):	40.0501		SYSTEM	
< 25	~	~	1,417	17%
25 to 29	32	68%	5,150	60%
30 to 34	~	~	994	12%
35 to 39	0	0%	417	5%
40 to 49	0	0%	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	47	100%	8,586	100%
Median Age	26		26	
Average (mean) Age	26		28	



Place of Residence

		_		
Place of Residence (at time of survey):	40.	0501	SYSTEM	
BC – Mainland/Southwest	30	67%	4,824	64%
BC - Vancouver Island/Coast	7	16%	1,065	14%
BC – Northern B.C.	0	0%	225	3%
BC – Interior/Kootenays	5	11%	673	9%
BC Subtotal	42	93%	6,787	89%
Canada – Alberta	~	~	328	4%
Canada – Ontario	0	0%	239	3%
Canada – Other	~	~	165	2%
U.S.A.	0	0%	75	1%
Non-BC Subtotal	~	~	807	11%
Total	45	100%	7,594	100%





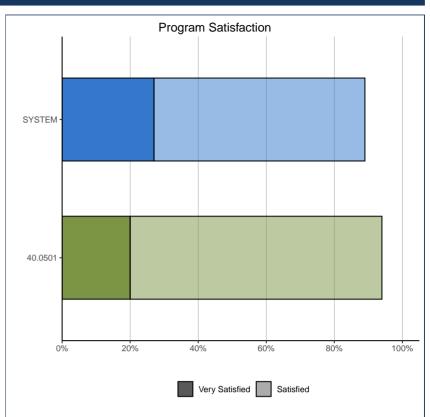


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	40.0501		SYSTEM	
Very Satisfied	9	20%	2,262	27%
Satisfied	34	74%	5,296	62%
Dissatisfied	1	2%	740	9%
Very Dissatisfied	2	4%	184	2%
Total	46	100%	8,482	100%

40.0501		SYSTEM	
13	42%	2,704	39%
13	42%	3,247	46%
3	10%	814	12%
2	6%	250	4%
31	100%	7,015	100%
	13 13 3 2	13 42% 13 42% 3 10% 2 6%	13 42% 2,704 13 42% 3,247 3 10% 814 2 6% 250

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	40.	40.0501		SYSTEM	
Yes	2	4%	818	10%	
No	43	96%	7,545	90%	



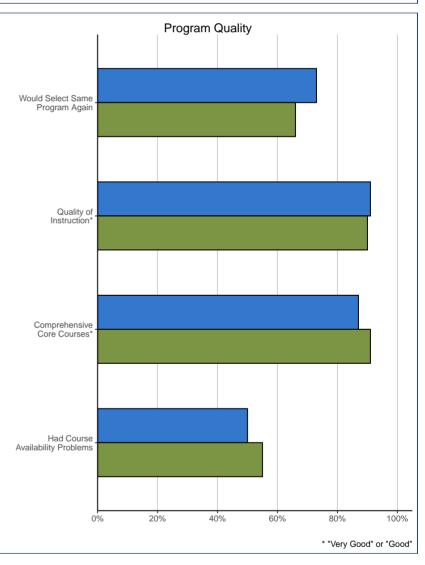
Would select the same program again:	40.0501		SYSTEM	
Yes	25	66%	5,501	73%
No	13	34%	2,019	27%

Quality of Instruction:	40.0501		SYSTEM	
Very Good	12	26%	2,328	27%
Good	30	64%	5,423	64%
Poor	5	11%	649	8%
Very Poor	0	0%	131	2%
Total	47	100%	8.531	100%

Comprehensiveness of Core Courses:	40.	40.0501		TEM
Very Good	12	27%	2,206	26%
Good	29	64%	5,161	61%
Poor	2	4%	862	10%
Very Poor	2	4%	171	2%
Total	45	100%	8.400	100%

Course Availability:	40.0501		SYSTEM	
Encountered course availability problems	24	55%	4.193	50%

Financial Constraints:	40.0501		SYS	TEM
Had to interrupt studies for financial reasons	2	4%	926	11%
Had to take program part-time for financial reasons	4	9%	1,545	18%



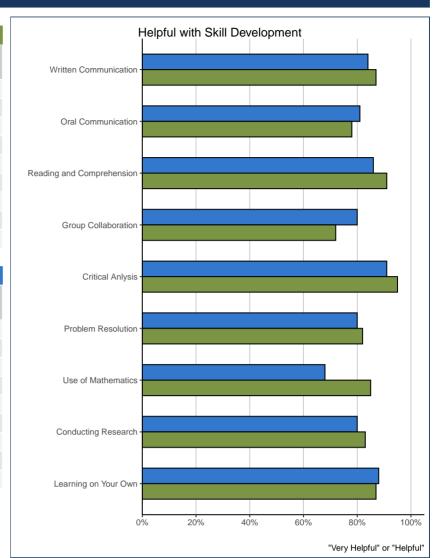




SKILL DEVELOPMENT

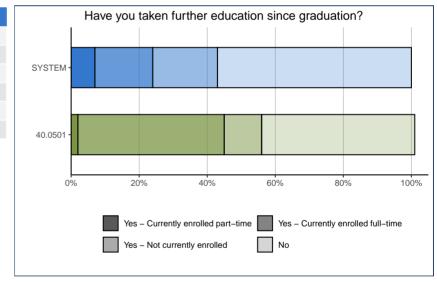
	40.0501					
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.	
Written Communication	31%	56%	11%	2%	45	
Oral Communication	23%	55%	16%	7%	44	
Reading and Comprehension	23%	68%	6%	2%	47	
Group Collaboration	21%	51%	23%	4%	47	
Critical Anlysis	55%	40%	4%	0%	47	
Problem Resolution	28%	54%	15%	2%	46	
Use of Mathematics	32%	53%	9%	6%	47	
Conducting Research	47%	36%	13%	4%	47	
Learning on Your Own	38%	49%	6%	6%	47	

	SYSTEM					
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.	
Written Communication	27%	57%	13%	3%	8,300	
Oral Communication	25%	56%	17%	3%	8,321	
Reading and Comprehension	30%	56%	13%	2%	8,343	
Group Collaboration	28%	52%	17%	4%	8,403	
Critical Anlysis	42%	49%	7%	2%	8,503	
Problem Resolution	25%	55%	17%	3%	8,293	
Use of Mathematics	21%	47%	24%	8%	6,569	
Conducting Research	30%	50%	17%	4%	8,092	
Learning on Your Own	38%	50%	9%	3%	8,397	

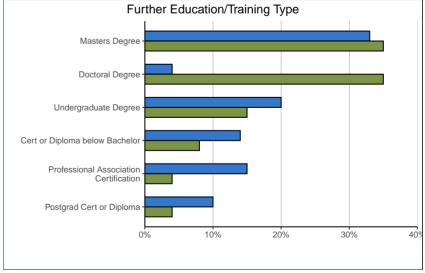


FURTHER EDUCATION

Took further education since 2021 graduation:	40.0501		SYSTEM	
Yes	26	55%	3,668	43%
Not currently enrolled	5	11%	1,580	19%
Currently enrolled full-time	20	43%	1,472	17%
Currently enrolled part-time	1	2%	565	7%
No	21	45%	4,870	57%
Total	47	100%	8,538	100%



Type of Formal Post–Secondary Education:	40.	40.0501		TEM
Masters Degree	9	35%	1,184	33%
Doctoral Degree	9	35%	153	4%
Another Undergraduate Degree	4	15%	718	20%
Certificate or Diploma below Bachelor level	2	8%	510	14%
Professional Association Certification	1	4%	538	15%
Postgraduate Certificate or Diploma	1	4%	359	10%
Other	0	0%	162	4%
Total	26	100%	3,624	100%



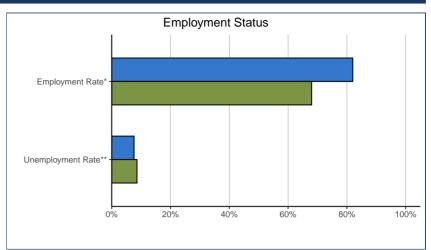


EMPLOYMENT

Labour Fource Status:	40.0501		SYS	TEM
In Labour Force (working or seeking work)	35	78%	7,643	90%
Not in Labour Force	10	22%	803	10%
Total	45	100%	8,446	100%
			-,	

Employment:	40.0501		SYSTEM	
Employment Rate*	32	68%	7,062	82%
Unemployment Rate**	3	8.6%	581	7.6%

^{*}Percent = Total employed divided by total number of respondents

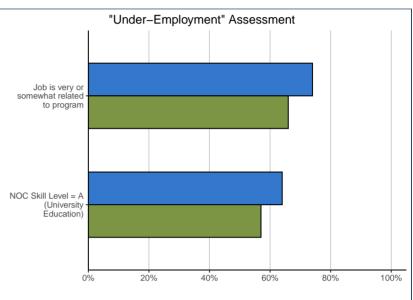


Status of Graduates NOT in Labour Force:	40.0501		SYSTEM	
Attending School FT	9	90%	565	70%
Attending School PT	0	0%	20	2%
Other	1	10%	218	27%
Total NOT in Labour Force	10	100%	803	100%

Primary Employment Type:	40.0501		SYSTEM	
Paid worker	32	100%	6,623	94%
Self-employed	0	0%	412	6%
Total	32	100%	7,035	100%

Job Characteristics:	40.0501		SYS	TEM
I hold more than one job*	4	13%	1,243	18%
My main job is full-time (>= 30 hours per week)**	31	97%	5,922	89%

^{*}Of total Employed



How related is your main job to your program?	40.0501		SYSTEM	
Very Related	10	31%	3,081	44%
Somewhat Related	11	34%	2,151	31%
Not Very Related	4	13%	901	13%
Not at All Related	7	22%	910	13%
Total	32	100%	7,043	100%

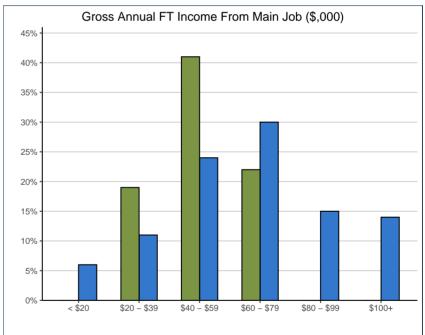
"Under-employment" Assessment:	40.0501		SYSTEM	
Job is very or somewhat related to program	21	66%	5,232	74%
NOC Skill Level = A (University Education)*	16	57%	4,148	64%

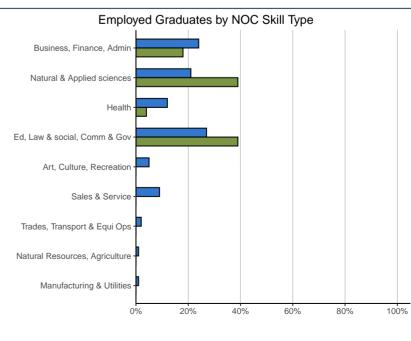
^{*}Of total valid responses

Gross Annual Income from Main Job:*	40.0	40.0501		SYSTEM	
Less than \$20,000	~	~	310	6%	
\$20,000 to \$39,999	5	19%	593	11%	
\$40,000 to \$59,999	11	41%	1,303	24%	
\$60,000 to \$79,999	6	22%	1,609	30%	
\$80,000 to \$99,999	~	~	805	15%	
\$100,000 and Above	0	0%	729	14%	
Total	27	100%	5,349	100%	
Median Annual Income (full-time) (\$)	53,489		68,000		
Average Annual Income (full-time) (\$)	55,447		74,015		

^{*}Where data provided

NOC Skill Type of Main Job:	40.0501		SYSTEM	
Business, finance & administration	5	5 18%		24%
Natural & applied sciences & related	11	39%	1,354	21%
Health		4%	761	12%
Education, law and social, community & government	11	39%	1,787	27%
Art, culture, recreation & sport	0	0%	296	5%
Sales & service	0	0%	559	9%
Trades, transport & equipment operators & related	0	0%	114	2%
Natural resources, agriculture & related production	0	0%	35	1%
Manufacturing & utilities	0	0%	35	1%
Total	28 100%		6,499	100%

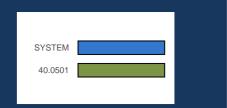




^{**}Percent = Total unemployed divided by total number in Labour Force

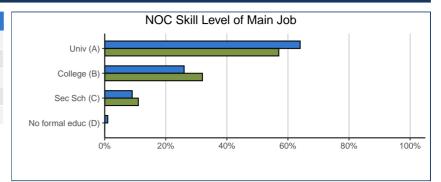
^{**}Of those who provided data on hours/week worked





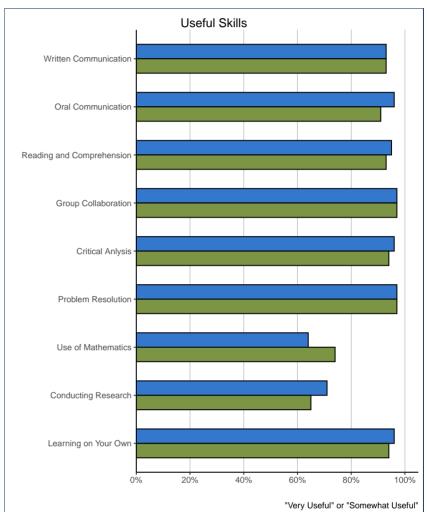
EMPLOYMENT, continued

NOC Skill Level of Main Job:	40.0	501	SYSTEM	
A. University education	16 57%		4,148	64%
B. College education/trade apprenticeship	9	32%	1,713	26%
C. Secondary school + job-specific training	3	11%	564	9%
D. No formal education	0	0%	90	1%
Total	28	100%	6,515	100%



	40.0501				
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	61%	32%	0%	6%	31
Oral Communication	63%	28%	9%	0%	32
Reading and Comprehension	84%	9%	6%	0%	32
Group Collaboration	63%	34%	3%	0%	32
Critical Anlysis	78%	16%	3%	3%	32
Problem Resolution	78%	19%	3%	0%	32
Use of Mathematics	42%	32%	16%	10%	31
Conducting Research	39%	26%	13%	23%	31
Learning on Your Own	63%	31%	6%	0%	32
Learning on Your Own	63%	31%	6%	0%	32

	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%	4%	2%	7,014
Oral Communication	78%	18%	2%	1%	7,014
Reading and Comprehension	72%	23%	4%	1%	7,014
Group Collaboration	79%	18%	2%	1%	7,016
Critical Anlysis	76%	20%	3%	1%	7,016
Problem Resolution	80%	17%	2%	1%	7,013
Use of Mathematics	27%	37%	22%	14%	6,834
Conducting Research	37%	34%	17%	11%	6,904
Learning on Your Own	70%	26%	3%	2%	6,997



Top 10 Full-time Occupations of 40.0501 Graduates:		40.0501	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
4012	A	Post-secondary teaching and research assistants	19%
2112	A	Chemists	16%
2211	В	Chemical technologists and technicians	16%
*			
*			
*			
*			
*			
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*			

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed

Top 10 Full-tir	Top 10 Full-time Occupations of SYSTEM Graduates:		SYSTEM
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	6%
XXXX	0	Unclassified occupations	5%
2173	A	Software engineers and designers	3%
1111	A	Financial auditors and accountants	3%
4032	A	Elementary school and kindergarten teachers	3%
4212	В	Social and community service workers	3%
1123	A	Professional occupations in advertising, marketing and public relations	3%
2174	A	Computer programmers and interactive media developers	3%
1221	В	Administrative officers	2%
4031	Α	Secondary school teachers	2%

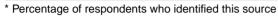
^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	40.0501		SYS	TEM
Personal savings, investments	13 28%		2,643	31%
Employment while studying	24	52%	4,042	48%
Family/Friends	28	61%	5,041	60%
Personal bank loans	0	0%	535	6%
Government student loans	18	39%	2,834	34%
Scholarships/Bursaries/Grants	19	41%	2,631	31%
Other	11	24%	1,990	24%
Total	46		8,391	



Financial Debt Incurred to Finance Bac. Ed.:*	to Finance Bac. Ed.:* 40.0501		SYSTEM	
Incurred any form of financial debt	20 44%		3,736	44%
Incurred government-sponsored student loan debt	19	41%	3,105	37%

^{*} Percentage of respondents who provided data



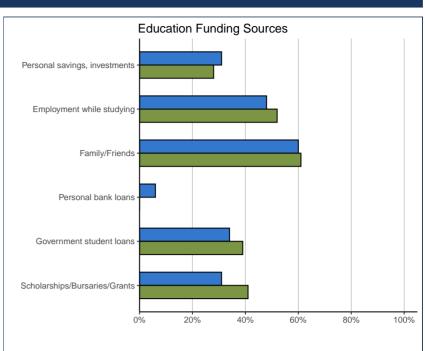
^{*} Includes only cases where financial debt was incurred

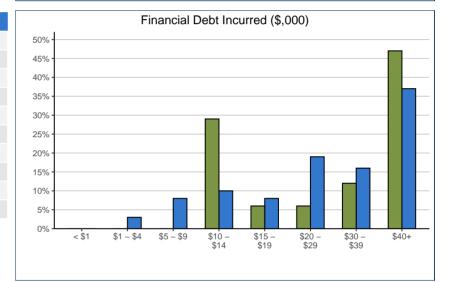


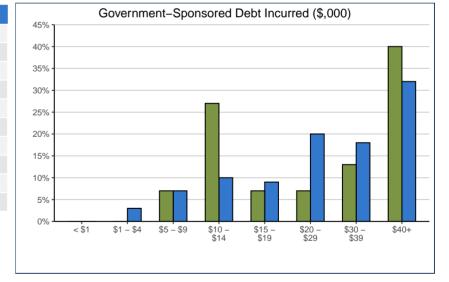
^{*} Includes only cases where government-sponsored debt was incurred

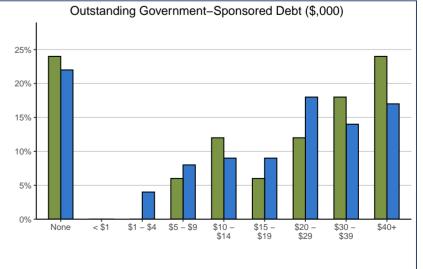


 $^{^{\}star}$ Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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