

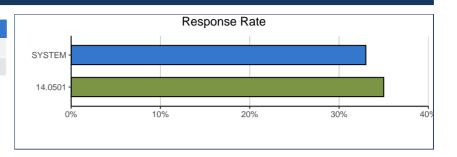
### B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

SYSTEM 14.0501

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

#### RESPONSE RATE

Survey Response Rate:	14.0	)501	SYSTEM	
Baccalaureate Graduates Survey Cohort	123	100%	25,962	100%
Survey Respondents and Response Rate	43	35%	8,603	33%

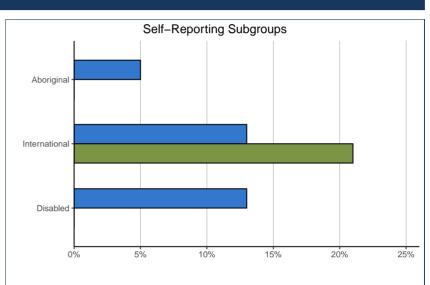


#### DEMOGRAPHIC INFORMATION

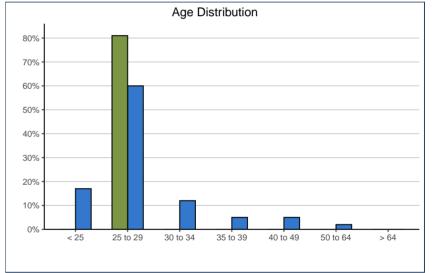
Self-Reporting Subgroups:	14.0501		SYS	TEM
Disabled	~ ~		1,079	13%
International	9	21%	1,153	13%
Aboriginal	0	0%	330	5%

Gender:*	14.0501		SYSTEM	
Male	21	49%	3,534	41%
Female	22	51%	5,051	59%
Total	43	100%	8,585	100%

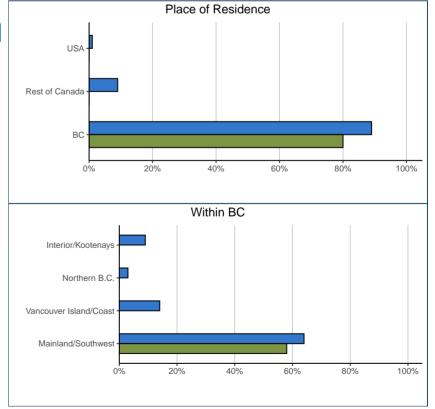
<sup>\*</sup>Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.



Age (at time of survey):	14.0501		SYSTEM	
< 25	~	~	1,417	17%
25 to 29	35	81%	5,150	60%
30 to 34	~	~	994	12%
35 to 39	0	0%	417	5%
40 to 49	~	~	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	43	100%	8,586	100%
Median Age	25		26	
Average (mean) Age	26		28	



Place of Residence (at time of survey):	14.	14.0501		SYSTEM	
BC – Mainland/Southwest	23	58%	4,824	64%	
BC - Vancouver Island/Coast	~	~	1,065	14%	
BC – Northern B.C.	~	~	225	3%	
BC – Interior/Kootenays	~	~	673	9%	
BC Subtotal	32	80%	6,787	89%	
Canada – Alberta	~	~	328	4%	
Canada – Ontario	~	~	239	3%	
Canada – Other	~	~	165	2%	
U.S.A.	0	0%	75	1%	
Non-BC Subtotal	8	20%	807	11%	
Total	40	100%	7,594	100%	





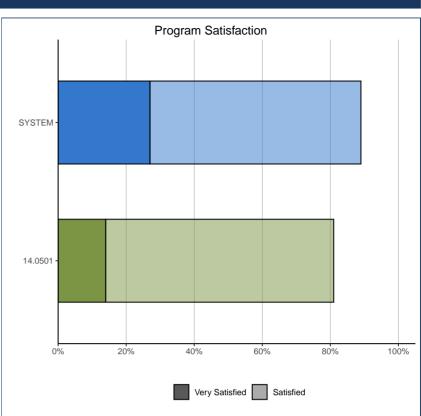


#### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	14.0501		SYSTEM	
Very Satisfied	6	14%	2,262	27%
Satisfied	28	67%	5,296	62%
Dissatisfied	7	17%	740	9%
Very Dissatisfied	1	2%	184	2%
Total	42	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0501		SYSTEM	
Very Useful	8	24%	2,704	39%
Somewhat Useful	20	61%	3,247	46%
Not Very Useful	5	15%	814	12%
Not at All Useful	0	0%	250	4%
Total	33	100%	7,015	100%
Not at All Useful	0	0%	250	4

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	0501	SYSTEM		
Yes	3	7%	818	10%	
No	39	93%	7,545	90%	



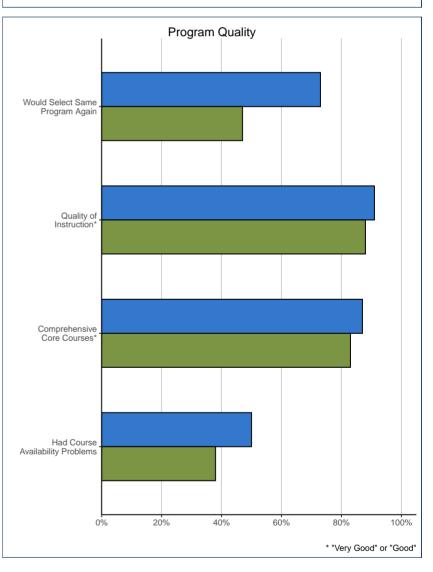
Would select the same program again:	14.0501		SYSTEM	
Yes	17	47%	5,501	73%
No	19	53%	2,019	27%

Quality of Instruction:	14.0501 6 14%		SYSTEM	
Very Good			2,328	27%
Good	31	74%	5,423	64%
Poor	4	10%	649	8%
Very Poor	1	2%	131	2%
Total	42	100%	8.531	100%

Comprehensiveness of Core Courses:	14.0	D501 SYSTEM		TEM
Very Good	4	10%	2,206	26%
Good	30	73%	5,161	61%
Poor	5	12%	862	10%
Very Poor	2	5%	171	2%
Total	41	100%	8,400	100%

Course Availability:	14.0501		SYSTEM	
Encountered course availability problems	16	38%	4,193	50%

Financial Constraints:	14.0501		SYS	TEM
Had to interrupt studies for financial reasons	0	0%	926	11%
Had to take program part-time for financial reasons	3	7%	1,545	18%



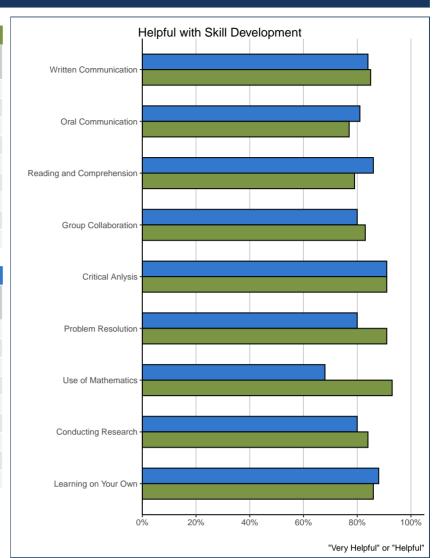




#### SKILL DEVELOPMENT

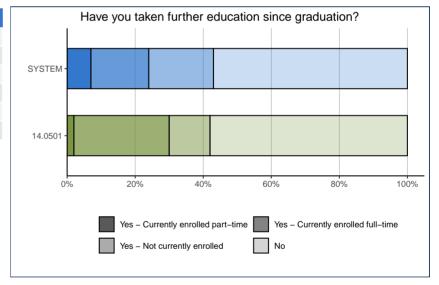
			14.0501		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	24%	61%	12%	2%	41
Oral Communication	26%	51%	23%	0%	39
Reading and Comprehension	20%	59%	20%	2%	41
Group Collaboration	32%	51%	17%	0%	41
Critical Anlysis	40%	51%	9%	0%	43
Problem Resolution	42%	49%	9%	0%	43
Use of Mathematics	37%	56%	7%	0%	43
Conducting Research	24%	60%	17%	0%	42
Learning on Your Own	42%	44%	14%	0%	43

			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

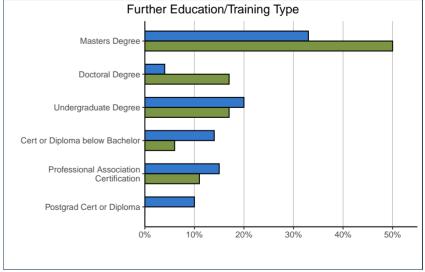


#### **FURTHER EDUCATION**

Took further education since 2021 graduation:	14.0501		SYSTEM	
Yes	18	42%	3,668	43%
Not currently enrolled	5	12%	1,580	19%
Currently enrolled full-time	12	28%	1,472	17%
Currently enrolled part-time	1	2%	565	7%
No	25	58%	4,870	57%
Total	43	100%	8,538	100%



Type of Formal Post–Secondary Education:	14.	14.0501		TEM
Masters Degree	9	50%	1,184	33%
Doctoral Degree	3	17%	153	4%
Another Undergraduate Degree	3	17%	718	20%
Certificate or Diploma below Bachelor level	1	6%	510	14%
Professional Association Certification	2	11%	538	15%
Postgraduate Certificate or Diploma	0	0%	359	10%
Other	0	0%	162	4%
Total	18	100%	3,624	100%





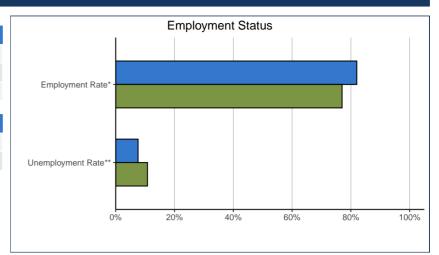


#### **EMPLOYMENT**

Labour Fource Status:	14.0501		SYSTEM	
In Labour Force (working or seeking work)	37	88%	7,643	90%
Not in Labour Force	5	12%	803	10%
Total	42	100%	8,446	100%
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<sup>\*</sup>Percent = Total employed divided by total number of respondents

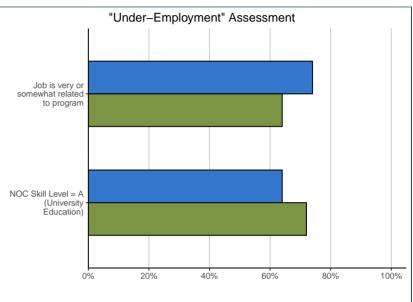


Status of Graduates NOT in Labour Force:	14.0501		SYSTEM	
Attending School FT	5	100%	565	70%
Attending School PT	0	0%	20	2%
Other	0	0%	218	27%
Total NOT in Labour Force	5	100%	803	100%

Primary Employment Type:	14.0501		SYS	TEM
Paid worker	33	100%	6,623	94%
Self-employed	0	0%	412	6%
Total	33	100%	7,035	100%

Job Characteristics:	14.0	0501	SYS	TEM
I hold more than one job*	0	0%	1,243	18%
My main job is full-time (>= 30 hours per week)**	28	85%	5.922	89%

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



How related is your main job to your program?	14.0501		SYSTEM	
Very Related	10	30%	3,081	44%
Somewhat Related	11	33%	2,151	31%
Not Very Related	8	24%	901	13%
Not at All Related	4	12%	910	13%
Total	33	100%	7,043	100%

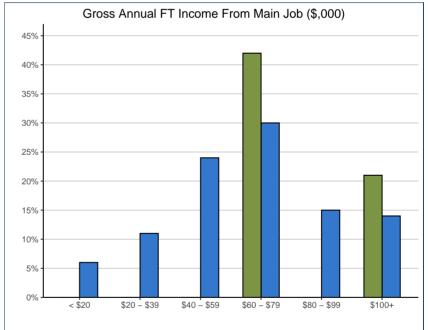
"Under-employment" Assessment:	14.0501		SYSTEM	
Job is very or somewhat related to program	21	64%	5,232	74%
NOC Skill Level = A (University Education)*	23	72%	4,148	64%

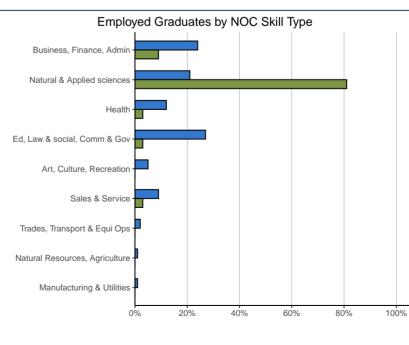
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	14.0	14.0501		TEM
Less than \$20,000	~	~	310	6%
\$20,000 to \$39,999	~	~	593	11%
\$40,000 to \$59,999	~	~	1,303	24%
\$60,000 to \$79,999	10	42%	1,609	30%
\$80,000 to \$99,999	~	~	805	15%
\$100,000 and Above	5	21%	729	14%
Total	24	100%	5,349	100%
Median Annual Income (full-time) (\$)	75,496		68,000	
Average Annual Income (full-time) (\$)	82,915		74,015	

<sup>\*</sup>Where data provided

NOC Skill Type of Main Job:	14.0501		SYSTEM	
Business, finance & administration	3	9%	1,558	24%
Natural & applied sciences & related	26	81%	1,354	21%
Health	1	3%	761	12%
Education, law and social, community & government	1	3%	1,787	27%
Art, culture, recreation & sport	0	0%	296	5%
Sales & service	1	3%	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	32	100%	6,499	100%





<sup>\*\*</sup>Percent = Total unemployed divided by total number in Labour Force

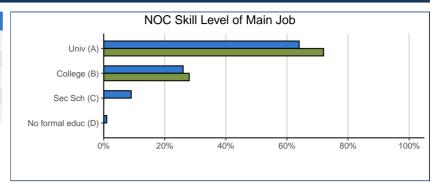
<sup>\*\*</sup>Of those who provided data on hours/week worked





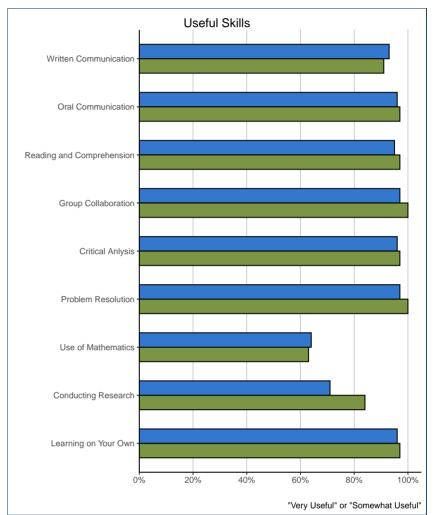
#### EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0501		SYSTEM	
A. University education		72%	4,148	64%
B. College education/trade apprenticeship	9	28%	1,713	26%
C. Secondary school + job-specific training	0	0%	564	9%
D. No formal education	0	0%	90	1%
Total	32	100%	6,515	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	66%	25%	6%	3%	32
Oral Communication	84%	13%	3%	0%	32
Reading and Comprehension	58%	39%	3%	0%	31
Group Collaboration	91%	9%	0%	0%	32
Critical Anlysis	84%	13%	3%	0%	32
Problem Resolution	74%	26%	0%	0%	31
Use of Mathematics	20%	43%	27%	10%	30
Conducting Research	29%	55%	6%	10%	31
Learning on Your Own	69%	28%	0%	3%	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 14.0501	Graduates:	14.0501
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2134	A	Chemical engineers	18%
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<sup>\*</sup> Data not displayed where n < 5

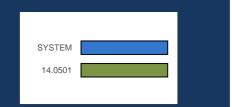
<sup>\*\*</sup> Percentages cited are of those employed

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

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

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





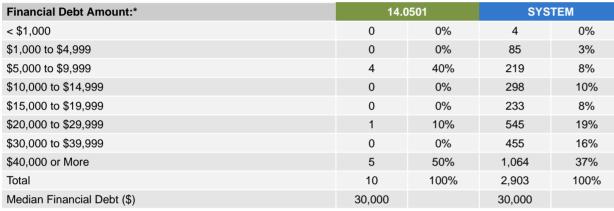
#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	14.	14.0501		TEM
Personal savings, investments		26%	2,643	31%
Employment while studying		28%	4,042	48%
Family/Friends	36	84%	5,041	60%
Personal bank loans	1	2%	535	6%
Government student loans	10	23%	2,834	34%
Scholarships/Bursaries/Grants	16	37%	2,631	31%
Other	19	44%	1,990	24%
Total	43		8,391	

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

Financial Debt Incurred to Finance Bac. Ed.:*	14.0501		SYSTEM	
Incurred any form of financial debt	11	26%	3,736	44%
Incurred government-sponsored student loan debt	10	23%	3,105	37%

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



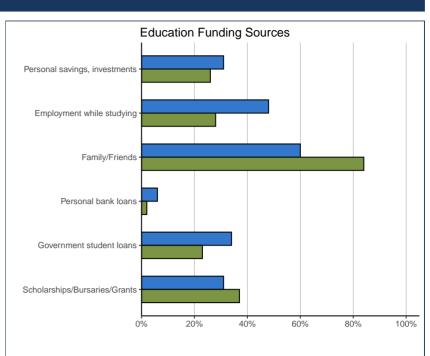
<sup>\*</sup> Includes only cases where financial debt was incurred

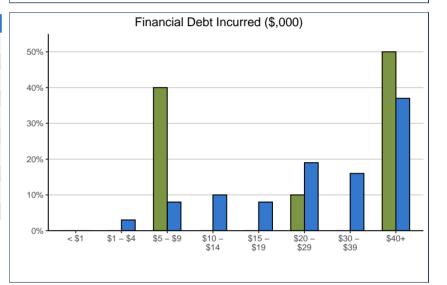


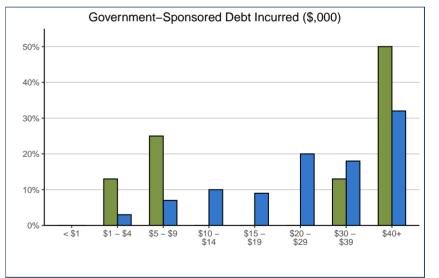
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

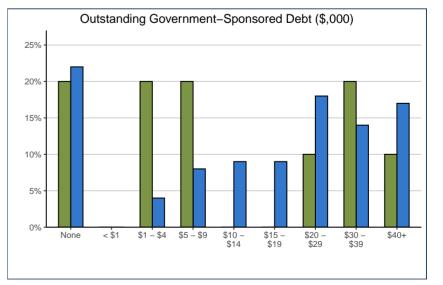


<sup>\*</sup> Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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