

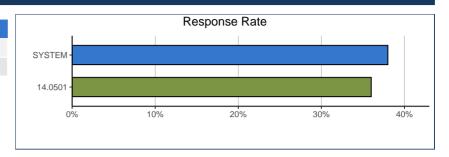
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

SYSTEM 14.0501

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

RESPONSE RATE

Survey Response Rate:	14.0501		SYSTEM	
Baccalaureate Graduates Survey Cohort	116	100%	24,752	100%
Survey Respondents and Response Rate	42	36%	9,423	38%

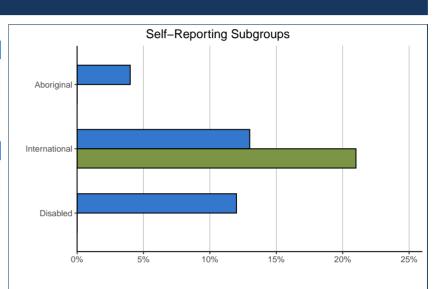


DEMOGRAPHIC INFORMATION

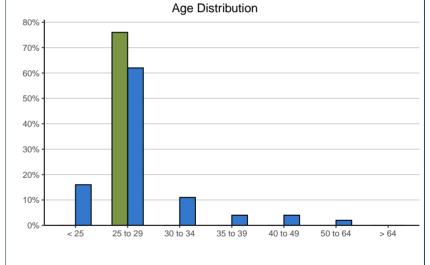
Self-Reporting Subgroups:	14.0501		SYSTEM	
Disabled	~	~	1,082	12%
International	9	21%	1,205	13%
Aboriginal	0	0%	357	4%

Gender:*	14.0501		SYSTEM	
Male	25	60%	3,744	40%
Female	17	40%	5,675	60%
Total	42	100%	9,419	100%

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



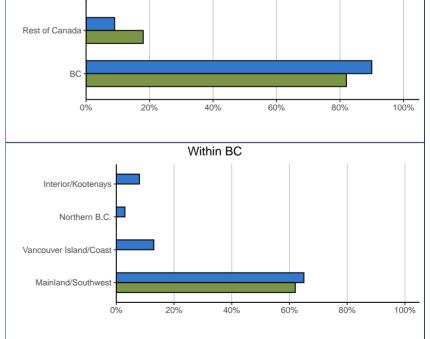
Age (at time of survey):	14.0501		SYSTEM	
< 25	~	~	1,496	16%
25 to 29	32	76%	5,860	62%
30 to 34	~	~	1,035	11%
35 to 39	0	0%	421	4%
40 to 49	0	0%	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	42	100%	9,417	100%
Median Age	25		26	
Average (mean) Age	25		28	



Place of Residence

USA

Place of Residence (at time of survey):	14.0501		SYSTEM	
BC – Mainland/Southwest	24	62%	5,472	65%
BC – Vancouver Island/Coast	~	~	1,112	13%
BC – Northern B.C.	0	0%	270	3%
BC – Interior/Kootenays	~	~	672	8%
BC Subtotal	32	82%	7,526	90%
Canada – Alberta	7	18%	343	4%
Canada – Ontario	0	0%	280	3%
Canada – Other	0	0%	176	2%
U.S.A.	0	0%	80	1%
Non-BC Subtotal	7	18%	879	10%
Total	39	100%	8,405	100%





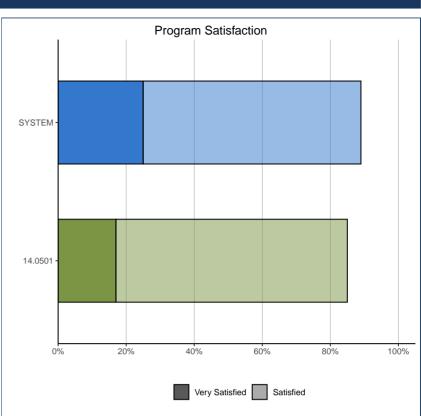


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0501		SYSTEM	
Very Satisfied	7	17%	2,332	25%
Satisfied	28	68%	5,914	64%
Dissatisfied	6	15%	831	9%
Very Dissatisfied	0	0%	188	2%
Total	41	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0501		SYSTEM	
Very Useful	9	26%	3,011	38%
Somewhat Useful	16	47%	3,664	47%
Not Very Useful	9	26%	886	11%
Not at All Useful	0	0%	283	4%
Total	34	100%	7,844	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.0501		SYSTEM		
Yes	2	5%	902	10%		
No	40	95%	8,298	90%		



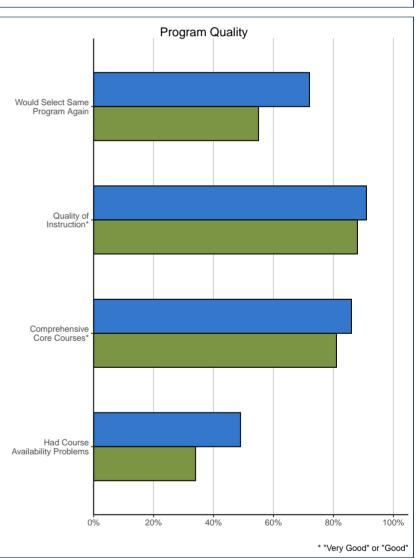
Would select the same program again:	14.0501		SYSTEM	
Yes	17	55%	5,963	72%
No	14	45%	2,334	28%

Quality of Instruction:	14.0	14.0501		TEM
Quality of instruction.	14.0	14.0501		I CIVI
Very Good	5	12%	2,498	27%
Good	32	76%	6,007	64%
Poor	4	10%	685	7%
Very Poor	1	2%	131	1%
Total	42	100%	9.321	100%

Comprehensiveness of Core Courses:	14.	14.0501		SYSTEM	
Very Good	8	19%	2,303	25%	
Good	26	62%	5,649	61%	
Poor	8	19%	1,073	12%	
Very Poor	0	0%	172	2%	
Total	42	100%	9.197	100%	

Course Availability:	14.0501		SYSTEM	
Encountered course availability problems	14	34%	4,485	49%

Financial Constraints:	14.0501		SYS	TEM
Had to interrupt studies for financial reasons	0	0%	987	11%
Had to take program part-time for financial reasons	2	5%	1,629	18%



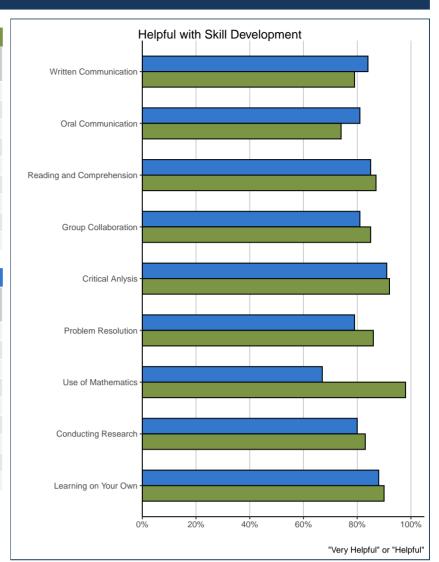




SKILL DEVELOPMENT

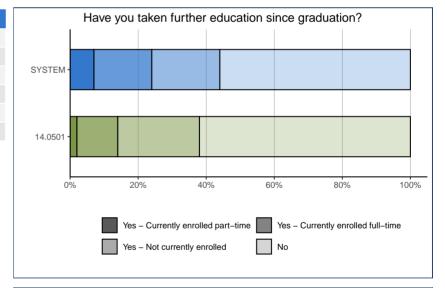
			14.0501		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	23%	56%	15%	5%	39
Oral Communication	17%	57%	21%	5%	42
Reading and Comprehension	29%	58%	11%	3%	38
Group Collaboration	40%	45%	10%	5%	42
Critical Anlysis	52%	40%	7%	0%	42
Problem Resolution	38%	48%	10%	5%	42
Use of Mathematics	62%	36%	2%	0%	42
Conducting Research	34%	49%	15%	2%	41
Learning on Your Own	56%	34%	10%	0%	41

			SYSTEM		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	57%	14%	3%	9,025
Oral Communication	24%	57%	17%	3%	9,114
Reading and Comprehension	28%	57%	13%	2%	9,119
Group Collaboration	28%	53%	17%	3%	9,187
Critical Anlysis	41%	50%	8%	2%	9,297
Problem Resolution	23%	56%	17%	3%	9,057
Use of Mathematics	20%	47%	25%	9%	7,165
Conducting Research	30%	50%	17%	4%	8,871
Learning on Your Own	38%	50%	10%	2%	9,189

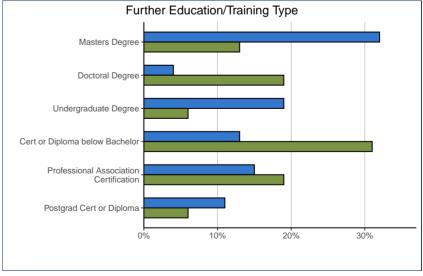


FURTHER EDUCATION

Took further education since 2020 graduation:	14.0501		SYSTEM	
Yes	16	38%	4,119	44%
Not currently enrolled	10	24%	1,831	20%
Currently enrolled full-time	5	12%	1,602	17%
Currently enrolled part-time	1	2%	637	7%
No	26	62%	5,244	56%
Total	42	100%	9,363	100%



Type of Formal Post–Secondary Education:	14.	14.0501		TEM
Masters Degree	2	13%	1,307	32%
Doctoral Degree	3	19%	167	4%
Another Undergraduate Degree	1	6%	789	19%
Certificate or Diploma below Bachelor level	5	31%	527	13%
Professional Association Certification	3	19%	603	15%
Postgraduate Certificate or Diploma	1	6%	431	11%
Other	1	6%	236	6%
Total	16	100%	4,060	100%

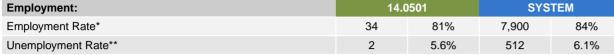




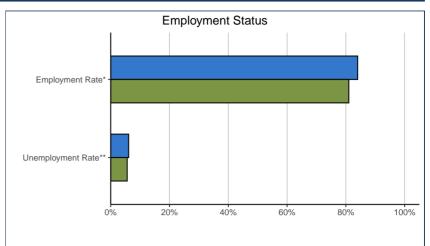


EMPLOYMENT

Labour Fource Status:	14.	14.0501		TEM
In Labour Force (working or seeking work)	36	88%	8,412	91%
Not in Labour Force	5	12%	857	9%
Total	41	100%	9,269	100%
Employment:	14.	14.0501		TEM



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

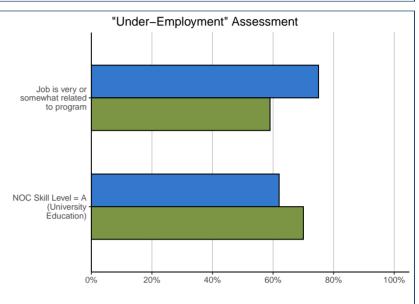


Status of Graduates NOT in Labour Force:	14.0501		SYSTEM	
Attending School FT	4	80%	597	70%
Attending School PT	0	0%	23	3%
Other	1	20%	237	28%
Total NOT in Labour Force	5	100%	857	100%

Primary Employment Type:	14.0501		SYS	TEM
Paid worker	34	100%	7,394	94%
Self-employed	0	0%	493	6%
Total	34	100%	7,887	100%

Job Characteristics:	14.0501		SYS	TEM
I hold more than one job*	4	12%	1,463	19%
My main job is full-time (>= 30 hours per week)**	33	97%	6,655	89%

^{*}Of total Employed



How related is your main job to your program?	14.0501		SYSTEM	
Very Related	13	38%	3,386	43%
Somewhat Related	7	21%	2,530	32%
Not Very Related	11	32%	1,013	13%
Not at All Related	3	9%	954	12%
Total	34	100%	7,883	100%

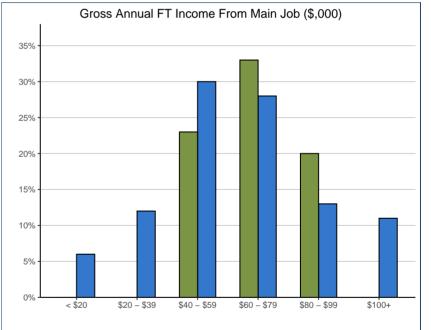
"Under-employment" Assessment:	14.0501		SYSTEM	
Job is very or somewhat related to program	20	59%	5,916	75%
NOC Skill Level = A (University Education)*	23	70%	4,631	62%

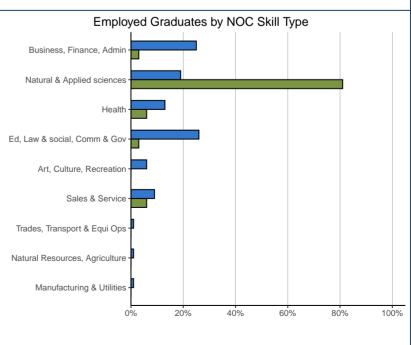
^{*}Of total valid responses



*Where data provided

NOC Skill Type of Main Job:	14.0501		SYSTEM	
Business, finance & administration	1	3%	1,844	25%
Natural & applied sciences & related	26	81%	1,422	19%
Health	2	6%	933	13%
Education, law and social, community & government	1	3%	1,946	26%
Art, culture, recreation & sport	0	0%	438	6%
Sales & service	2	6%	658	9%
Trades, transport & equipment operators & related	0	0%	104	1%
Natural resources, agriculture & related production	0	0%	42	1%
Manufacturing & utilities	0	0%	39	1%
Total	32	100%	7,426	100%





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

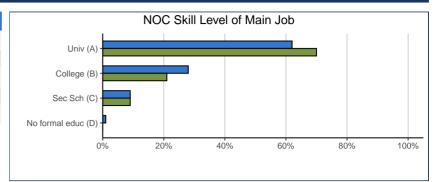
^{**}Of those who provided data on hours/week worked



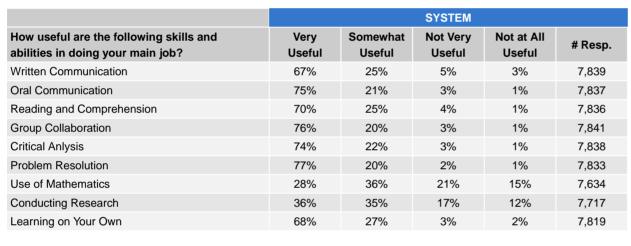


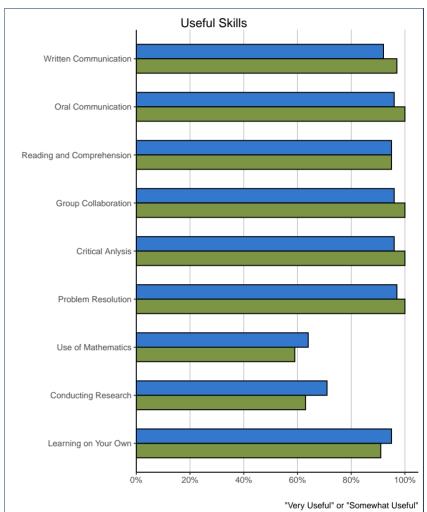
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0501		SYSTEM	
A. University education	23	70%	4,631	62%
B. College education/trade apprenticeship	7	21%	2,082	28%
C. Secondary school + job-specific training	3	9%	647	9%
D. No formal education	0	0%	86	1%
Total	33	100%	7,446	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	68%	29%	3%	0%	34
Oral Communication	79%	21%	0%	0%	34
Reading and Comprehension	74%	21%	6%	0%	34
Group Collaboration	76%	24%	0%	0%	34
Critical Anlysis	79%	21%	0%	0%	34
Problem Resolution	82%	18%	0%	0%	34
Use of Mathematics	24%	35%	32%	9%	34
Conducting Research	27%	36%	21%	15%	33
Learning on Your Own	62%	29%	9%	0%	34





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	35%
*			
*			
*			
*			
*			
*			
*			
*			
*			

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

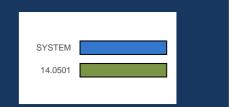
^{**} Percentages cited are of those employed

Top 10 Full-time Occupations of SYSTEM Graduates:			SYSTEM
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	6%
1111	A	Financial auditors and accountants	4%
XXXX	0	Unclassified occupations	3%
2173	A	Software engineers and designers	3%
4032	A	Elementary school and kindergarten teachers	3%
1123	A	Professional occupations in advertising, marketing and public relations	3%
4212	В	Social and community service workers	3%
2174	A	Computer programmers and interactive media developers	2%
4031	A	Secondary school teachers	2%
1221	В	Administrative officers	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed





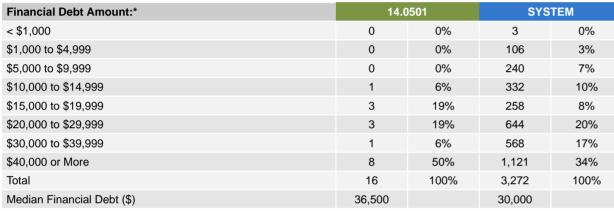
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.0501		SYSTEM	
Personal savings, investments		29%	2,849	31%	
Employment while studying	8	20%	4,716	51%	
Family/Friends	33	80%	5,423	59%	
Personal bank loans	3	7%	600	7%	
Government student loans	13	32%	3,008	33%	
Scholarships/Bursaries/Grants	23	56%	2,803	31%	
Other	18	44%	1,997	22%	
Total	41		9,180		

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0501		SYSTEM	
Incurred any form of financial debt	18	44%	4,031	44%
Incurred government-sponsored student loan debt	14	33%	3,331	36%

^{*} Percentage of respondents who provided data



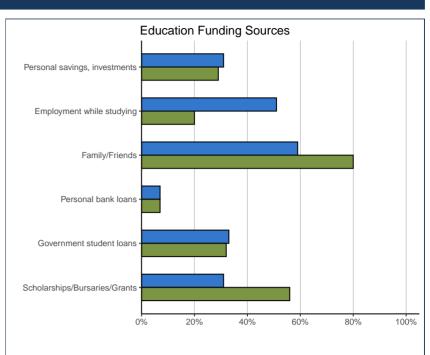
^{*} Includes only cases where financial debt was incurred

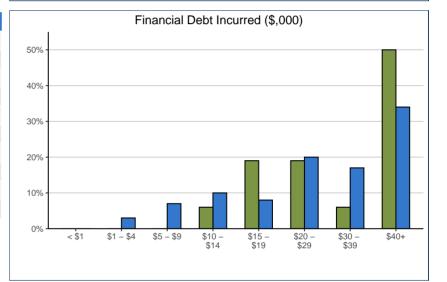


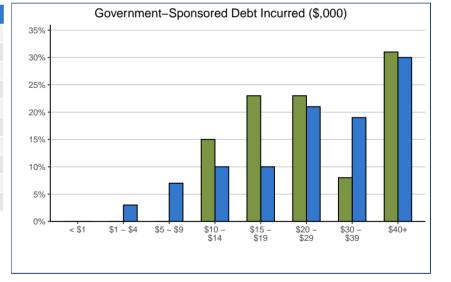
^{*} Includes only cases where government-sponsored debt was incurred

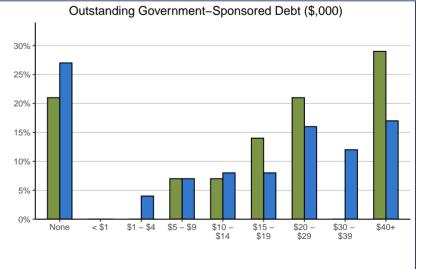


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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