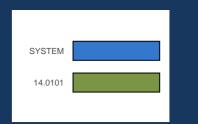


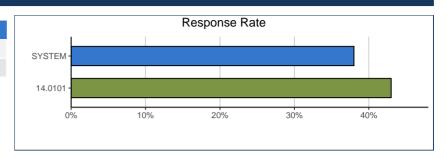
### B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

Detailed Summary of Survey Results
All Institutions
14.0101: Engineering, general



### RESPONSE RATE

Survey Response Rate:	14.0101		SYSTEM	
Baccalaureate Graduates Survey Cohort	158	100%	24,752	100%
Survey Respondents and Response Rate	68	43%	9,423	38%

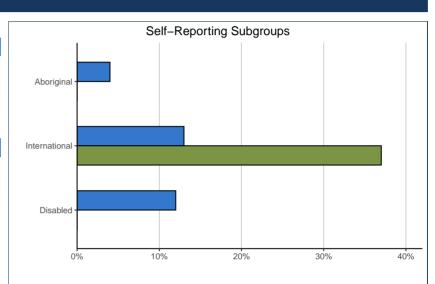


#### DEMOGRAPHIC INFORMATION

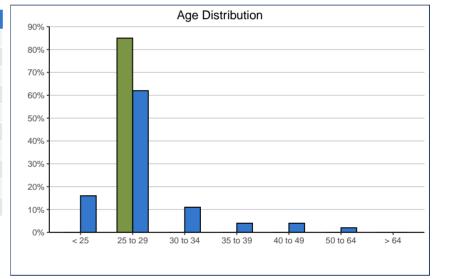
Self-Reporting Subgroups:	14.0101		SYSTEM	
Disabled	~	~	1,082	12%
International	25	37%	1,205	13%
Aboriginal	0	0%	357	4%

Gender:*	14.0101		SYSTEM	
Male	49	72%	3,744	40%
Female	19	28%	5,675	60%
Total	68	100%	9,419	100%

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

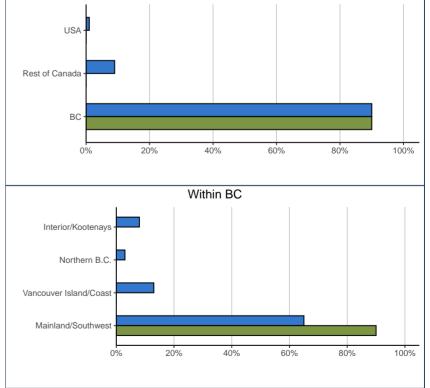


Age (at time of survey):	14.0101		SYSTEM	
< 25	~	~	1,496	16%
25 to 29	58	85%	5,860	62%
30 to 34	~	~	1,035	11%
35 to 39	~	~	421	4%
40 to 49	0	0%	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	68	100%	9,417	100%
Median Age	26		26	
Average (mean) Age	27		28	



Place of Residence

Place of Residence (at time of survey):	14.0101		SYSTEM	
BC – Mainland/Southwest	52	90%	5,472	65%
BC - Vancouver Island/Coast	0	0%	1,112	13%
BC – Northern B.C.	0	0%	270	3%
BC – Interior/Kootenays	0	0%	672	8%
BC Subtotal	52	90%	7,526	90%
Canada – Alberta	0	0%	343	4%
Canada – Ontario	~	~	280	3%
Canada – Other	0	0%	176	2%
U.S.A.	~	~	80	1%
Non-BC Subtotal	6	10%	879	10%
Total	58	100%	8,405	100%





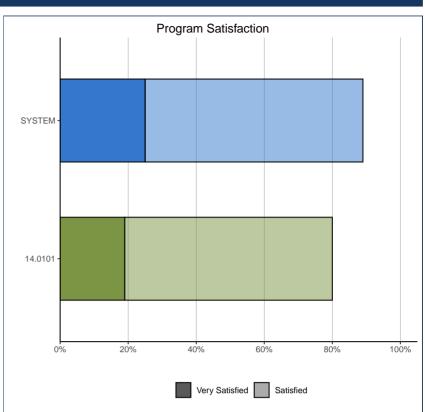


#### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	14.0101		SYS	TEM
Very Satisfied	12	19%	2,332	25%
Satisfied	38	61%	5,914	64%
Dissatisfied	9	15%	831	9%
Very Dissatisfied	3	5%	188	2%
Total	62	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0101		SYSTEM	
Very Useful	13	22%	3,011	38%
Somewhat Useful	33	55%	3,664	47%
Not Very Useful	13	22%	886	11%
Not at All Useful	1	2%	283	4%
Total	60	100%	7,844	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0	14.0101		SYSTEM	
Yes	9	13%	902	10%	
No	58	87%	8,298	90%	



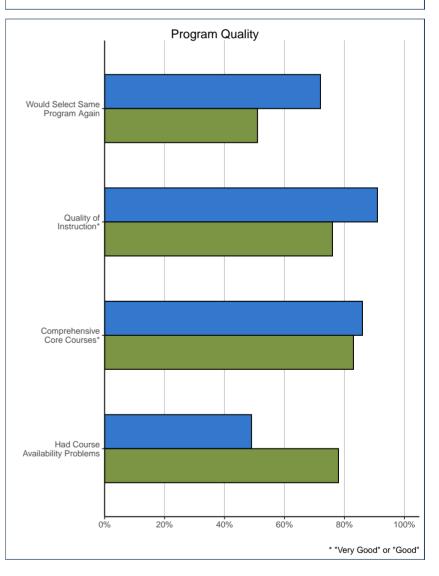
Would select the same program again:	14.0101		SYSTEM	
Yes	29	51%	5,963	72%
No	28	49%	2,334	28%

Quality of Instruction:	14.0	14.0101		TEM
Very Good	6	9%	2,498	27%
Good	45	67%	6,007	64%
Poor	14	21%	685	7%
Very Poor	2	3%	131	1%
Total	67	100%	9.321	100%

Comprehensiveness of Core Courses:	14.0	14.0101		SYSTEM	
Very Good	14	21%	2,303	25%	
Good	41	62%	5,649	61%	
Poor	10	15%	1,073	12%	
Very Poor	1	2%	172	2%	
Total	66	100%	9.197	100%	

Course Availability:	14.0101		SYSTEM	
Encountered course availability problems	52	78%	4.485	49%

Financial Constraints:	14.0101		SYS	TEM
Had to interrupt studies for financial reasons	5	8%	987	11%
Had to take program part-time for financial reasons	2	3%	1,629	18%



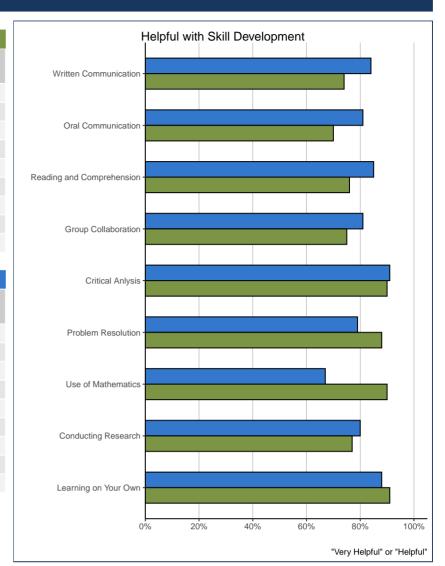




#### SKILL DEVELOPMENT

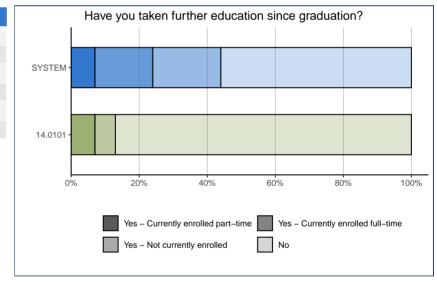
			14.0101		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	16%	58%	23%	3%	62
Oral Communication	12%	58%	23%	6%	65
Reading and Comprehension	17%	59%	20%	5%	66
Group Collaboration	27%	48%	25%	0%	67
Critical Anlysis	33%	57%	9%	1%	67
Problem Resolution	27%	61%	12%	0%	66
Use of Mathematics	38%	52%	11%	0%	66
Conducting Research	22%	55%	17%	6%	65
Learning on Your Own	45%	46%	9%	0%	67

			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

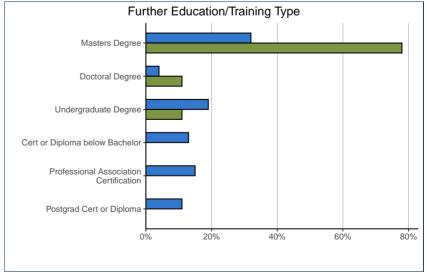


### FURTHER EDUCATION

Took further education since 2020 graduation:	14.0	14.0101		TEM
Yes	9	13%	4,119	44%
Not currently enrolled	4	6%	1,831	20%
Currently enrolled full-time	5	7%	1,602	17%
Currently enrolled part-time	0	0%	637	7%
No	59	87%	5,244	56%
Total	68	100%	9,363	100%



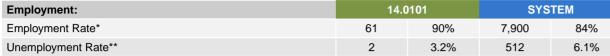
Type of Formal Post–Secondary Education:	14.	14.0101		TEM
Masters Degree	7	78%	1,307	32%
Doctoral Degree	1	11%	167	4%
Another Undergraduate Degree	1	11%	789	19%
Certificate or Diploma below Bachelor level	0	0%	527	13%
Professional Association Certification	0	0%	603	15%
Postgraduate Certificate or Diploma	0	0%	431	11%
Other	0	0%	236	6%
Total	9	100%	4,060	100%



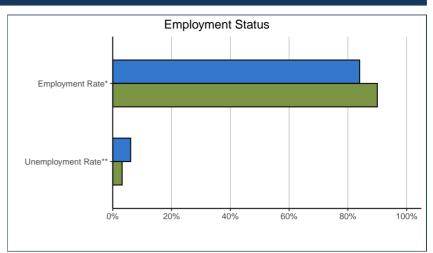


#### **EMPLOYMENT**

Labour Fource Status:	14.0101		SYSTEM		
In Labour Force (working or seeking work)	63	94%	8,412	91%	
Not in Labour Force	4	6%	857	9%	
Total	67	100%	9,269	100%	
Employment:	14.0101		14.0101 SYSTE		TEM



<sup>\*</sup>Percent = Total employed divided by total number of respondents

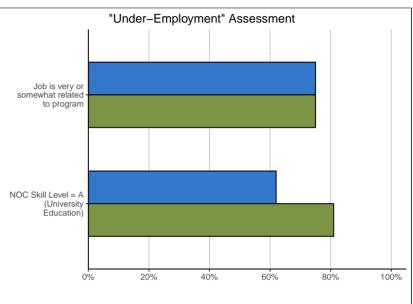


Status of Graduates NOT in Labour Force:	14.0101		SYS	TEM
Attending School FT	2	50%	597	70%
Attending School PT	0	0%	23	3%
Other	2	50%	237	28%
Total NOT in Labour Force	4	100%	857	100%

Primary Employment Type:	14.0101		SYS	TEM
Paid worker	58	95%	7,394	94%
Self-employed	3	5%	493	6%
Total	61	100%	7,887	100%

Job Characteristics:	14.0101		SYS	TEM
I hold more than one job*	7	11%	1,463	19%
My main job is full-time (>= 30 hours per week)**	55	98%	6,655	89%

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



How related is your main job to your program?	14.0101		SYS	TEM
Very Related	14	23%	3,386	43%
Somewhat Related	32	52%	2,530	32%
Not Very Related	11	18%	1,013	13%
Not at All Related	4	7%	954	12%
Total	61	100%	7,883	100%

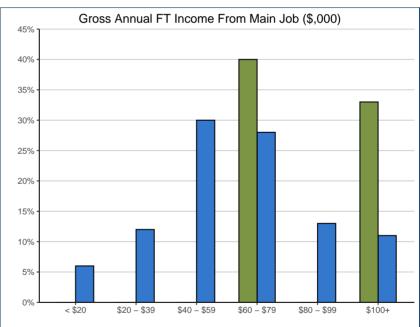
"Under-employment" Assessment:	14.0101		SYS	TEM
Job is very or somewhat related to program	46	75%	5,916	75%
NOC Skill Level = A (University Education)*	47	81%	4,631	62%

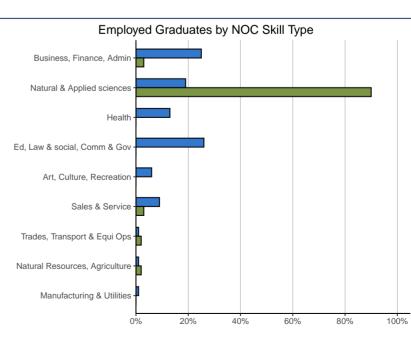
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	14.0101		SYSTEM	
Less than \$20,000	0	0%	328	6%
\$20,000 to \$39,999	~	~	725	12%
\$40,000 to \$59,999	~	~	1,773	30%
\$60,000 to \$79,999	17	40%	1,673	28%
\$80,000 to \$99,999	~	~	799	13%
\$100,000 and Above	14	33%	659	11%
Total	43	100%	5,957	100%
Median Annual Income (full-time) (\$)	85,000		63,000	
Average Annual Income (full-time) (\$)	102,879		70,455	

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

NOC Skill Type of Main Job:	OC Skill Type of Main Job: 14.0101		SYSTEM	
Business, finance & administration	2	3%	1,844	25%
Natural & applied sciences & related	52	90%	1,422	19%
Health	0	0%	933	13%
Education, law and social, community & government	0	0%	1,946	26%
Art, culture, recreation & sport	0	0%	438	6%
Sales & service	2	3%	658	9%
Trades, transport & equipment operators & related	1	2%	104	1%
Natural resources, agriculture & related production	1	2%	42	1%
Manufacturing & utilities	0	0%	39	1%
Total	58	100%	7,426	100%





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

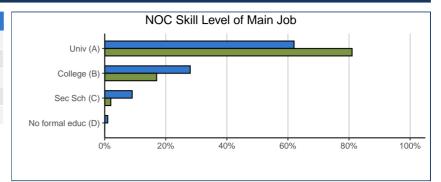
<sup>\*\*</sup>Of those who provided data on hours/week worked





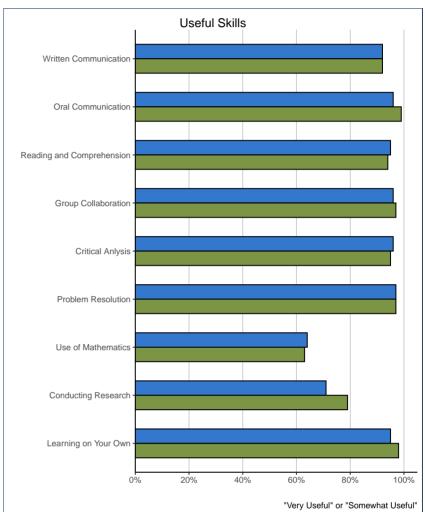
### EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0101		SYSTEM	
A. University education	47	81%	4,631	62%
B. College education/trade apprenticeship	10	17%	2,082	28%
C. Secondary school + job-specific training	1	2%	647	9%
D. No formal education	0	0%	86	1%
Total	58	100%	7,446	100%



			14.0101		
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%	31%	8%	0%	59
Oral Communication	72%	27%	2%	0%	60
Reading and Comprehension	72%	22%	7%	0%	60
Group Collaboration	62%	35%	2%	2%	60
Critical Anlysis	73%	22%	3%	2%	60
Problem Resolution	72%	25%	3%	0%	60
Use of Mathematics	20%	43%	25%	12%	60
Conducting Research	36%	43%	10%	10%	58
Learning on Your Own	73%	25%	0%	2%	60

		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	67%	25%	5%	3%	7,839
Oral Communication	75%	21%	3%	1%	7,837
Reading and Comprehension	70%	25%	4%	1%	7,836
Group Collaboration	76%	20%	3%	1%	7,841
Critical Anlysis	74%	22%	3%	1%	7,838
Problem Resolution	77%	20%	2%	1%	7,833
Use of Mathematics	28%	36%	21%	15%	7,634
Conducting Research	36%	35%	17%	12%	7,717
Learning on Your Own	68%	27%	3%	2%	7,819



Top 10 Full-	time Occupations of 14.0101	Graduates:	14.0101
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	28%
2174	A	Computer programmers and interactive media developers	11%
2141	A	Industrial and manufacturing engineers	8%
*			
*			
*			
*			
*			
*			
*			

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

<sup>\*\*</sup> 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%
1111	Α	Financial auditors and accountants	4%
XXXX	0	Unclassified occupations	3%
2173	Α	Software engineers and designers	3%
4032	Α	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	Α	Secondary school teachers	2%
1221	В	Administrative officers	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.	14.0101		TEM
Personal savings, investments	15	15 23%		31%
Employment while studying	26	41%	4,716	51%
Family/Friends	46	72%	5,423	59%
Personal bank loans	3	5%	600	7%
Government student loans	12	19%	3,008	33%
Scholarships/Bursaries/Grants	15	23%	2,803	31%
Other	34	53%	1,997	22%
Total	64		9,180	

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

Financial Debt Incurred to Finance Bac. Ed.:*	14.0101		SYSTEM	
Incurred any form of financial debt	20	30%	4,031	44%
Incurred government-sponsored student loan debt	13	20%	3,331	36%

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



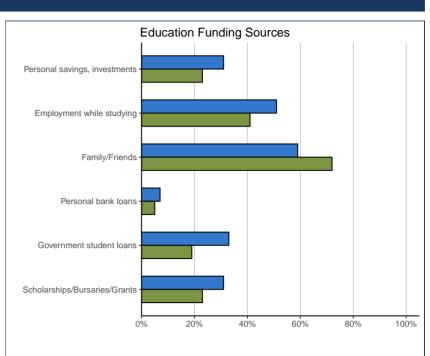
<sup>\*</sup> Includes only cases where financial debt was incurred

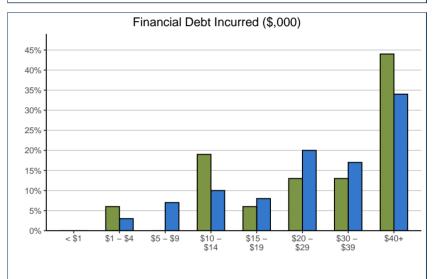


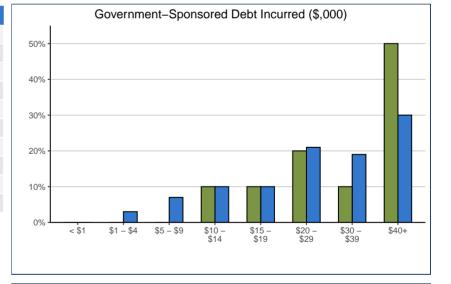
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

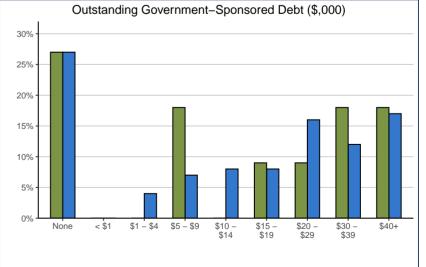
Gov't-Sponsored Loan Debt Outstanding:*	14.0101		SYSTEM	
None – Loan repaid in full	3	27%	754	27%
< \$1,000	0	0%	7	0%
\$1,000 to \$4,999	0	0%	120	4%
\$5,000 to \$9,999	2	18%	202	7%
\$10,000 to \$14,999	0	0%	216	8%
\$15,000 to \$19,999	1	9%	221	8%
\$20,000 to \$29,999	1	9%	432	16%
\$30,000 to \$39,999	2	18%	338	12%
\$40,000 or More	2	18%	459	17%
Total	11	100%	2,749	100%
Median Gov't-Sponsored Loan Debt Outstanding** (\$)	28,000		25,000	

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









 $<sup>^{\</sup>star\star}$  Median amounts shown are based on those who had remaining government student loan debt