

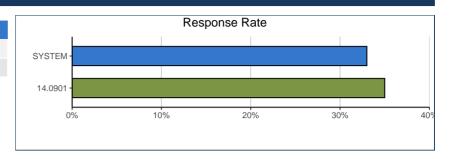
B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

14.0901

Detailed Summary of Survey Results
All Institutions
14.0901: Computer engineering, general

RESPONSE RATE

Survey Response Rate:	14.0901		SYSTEM	
Baccalaureate Graduates Survey Cohort	104	100%	25,962	100%
Survey Respondents and Response Rate	36	35%	8,603	33%

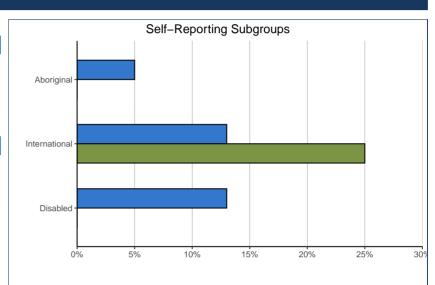


DEMOGRAPHIC INFORMATION

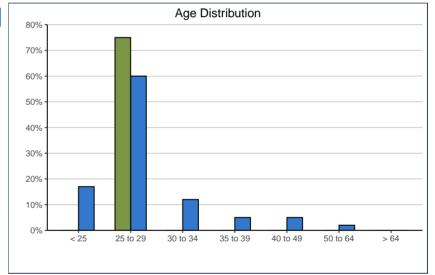
Self-Reporting Subgroups:	14.0901		SYSTEM	
Disabled	0	0%	1,079	13%
International	9	25%	1,153	13%
Aboriginal	0	0%	330	5%

Gender:*	14.0901		SYSTEM	
Male	29	81%	3,534	41%
Female	7	19%	5,051	59%
Total	36	100%	8,585	100%

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

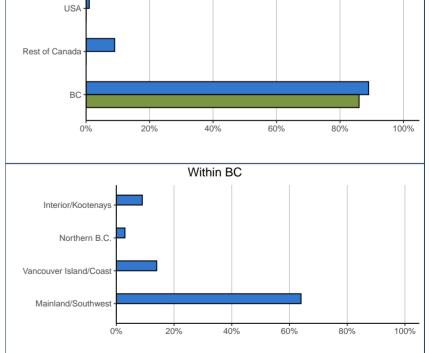


Age (at time of survey):	14.0901		SYSTEM	
< 25	~	~	1,417	17%
25 to 29	27	75%	5,150	60%
30 to 34	~	~	994	12%
35 to 39	~	~	417	5%
40 to 49	0	0%	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	36	100%	8,586	100%
Median Age	25		26	
Average (mean) Age	26		28	



Place of Residence

Place of Pacidones (at time of curvey):	14.0901		SYSTEM	
Place of Residence (at time of survey):	14.0901		SYSTEM	
BC – Mainland/Southwest	~	~	4,824	64%
BC - Vancouver Island/Coast	~	~	1,065	14%
BC – Northern B.C.	0	0%	225	3%
BC – Interior/Kootenays	0	0%	673	9%
BC Subtotal	25	86%	6,787	89%
Canada – Alberta	~	~	328	4%
Canada – Ontario	0	0%	239	3%
Canada – Other	0	0%	165	2%
U.S.A.	~	~	75	1%
Non-BC Subtotal	~	~	807	11%
Total	29	100%	7,594	100%





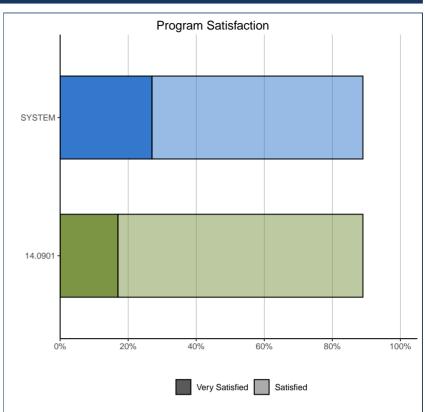


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0901		SYSTEM	
Very Satisfied	6	17%	2,262	27%
Satisfied	26	72%	5,296	62%
Dissatisfied	3	8%	740	9%
Very Dissatisfied	1	3%	184	2%
Total	36	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0901		SYSTEM	
Very Useful	9	28%	2,704	39%
Somewhat Useful	22	69%	3,247	46%
Not Very Useful	1	3%	814	12%
Not at All Useful	0	0%	250	4%
Total	32	100%	7,015	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.0901		SYSTEM	
Yes	5	14%	818	10%	
No	31	86%	7,545	90%	



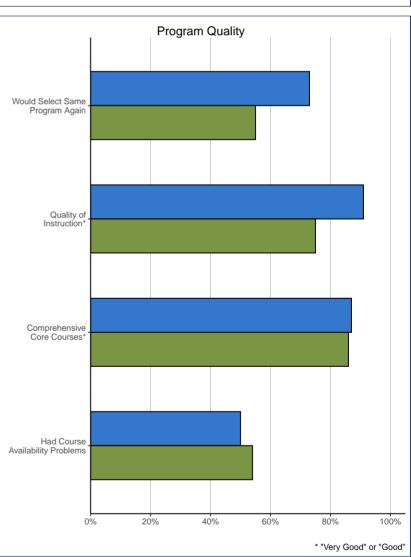
Would select the same program again:	14.0901		SYSTEM	
Yes	16	55%	5,501	73%
No	13	45%	2,019	27%

Quality of Instruction:	14.0	14.0901		TEM
Very Good	4	4 11%		27%
Good	23	64%	5,423	64%
Poor	8	22%	649	8%
Very Poor	1	3%	131	2%
Total	36	100%	8.531	100%

Comprehensiveness of Core Courses:	14.0	14.0901		SYSTEM	
Very Good	2	6%	2,206	26%	
Good	28	80%	5,161	61%	
Poor	4	11%	862	10%	
Very Poor	1	3%	171	2%	
Total	35	100%	8.400	100%	

Course Availability:	14.0901		SYSTEM	
Encountered course availability problems	19	54%	4,193	50%

Financial Constraints:	14.0901		SYS	TEM
Had to interrupt studies for financial reasons	1	3%	926	11%
Had to take program part-time for financial reasons	1	3%	1,545	18%

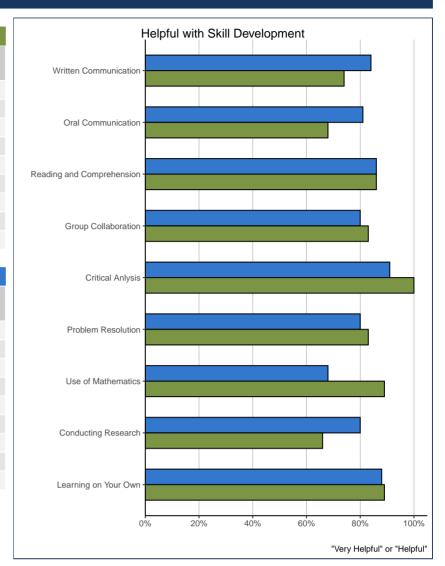




SKILL DEVELOPMENT

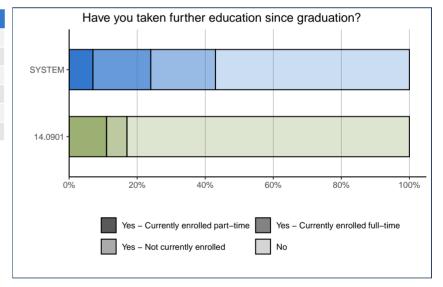
			14.0901		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	11%	63%	23%	3%	35
Oral Communication	15%	53%	32%	0%	34
Reading and Comprehension	26%	60%	11%	3%	35
Group Collaboration	19%	64%	17%	0%	36
Critical Anlysis	28%	72%	0%	0%	36
Problem Resolution	19%	64%	17%	0%	36
Use of Mathematics	36%	53%	11%	0%	36
Conducting Research	22%	44%	28%	6%	32
Learning on Your Own	28%	61%	6%	6%	36

			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

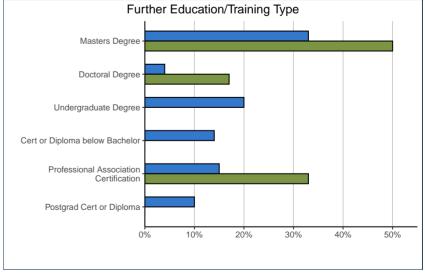


FURTHER EDUCATION

Took further education since 2021 graduation:	14.0901		SYS	TEM
Yes	6	17%	3,668	43%
Not currently enrolled	2	6%	1,580	19%
Currently enrolled full-time	4	11%	1,472	17%
Currently enrolled part-time	0	0%	565	7%
No	30	83%	4,870	57%
Total	36	100%	8,538	100%



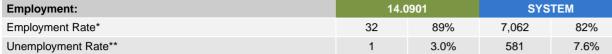
Type of Formal Post–Secondary Education:	14.	14.0901		TEM
Masters Degree	3	50%	1,184	33%
Doctoral Degree	1	17%	153	4%
Another Undergraduate Degree	0	0%	718	20%
Certificate or Diploma below Bachelor level	0	0%	510	14%
Professional Association Certification	2	33%	538	15%
Postgraduate Certificate or Diploma	0	0%	359	10%
Other	0	0%	162	4%
Total	6	100%	3,624	100%



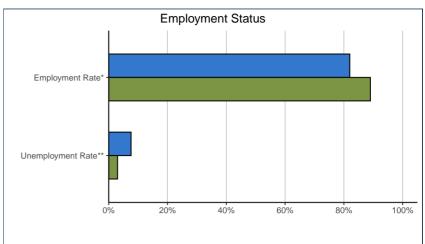


EMPLOYMENT

Labour Fource Status:	14.	14.0901		TEM
In Labour Force (working or seeking work)	33	94%	7,643	90%
Not in Labour Force	2	6%	803	10%
Total	35	100%	8,446	100%
Employment:	14.	14.0901		TEM



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

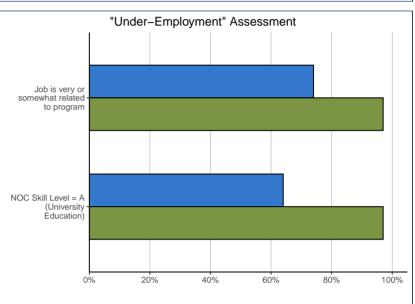


Status of Graduates NOT in Labour Force:	14.0901		SYS	TEM
Attending School FT	1	50%	565	70%
Attending School PT	0	0%	20	2%
Other	1	50%	218	27%
Total NOT in Labour Force	2	100%	803	100%

Primary Employment Type:	14.0901		SYS	TEM
Paid worker	32	100%	6,623	94%
Self-employed	0	0%	412	6%
Total	32	100%	7,035	100%

Job Characteristics:	14.0901		SYS	TEM
I hold more than one job*	1	3%	1,243	18%
My main job is full-time (>= 30 hours per week)**	30	100%	5,922	89%

^{*}Of total Employed



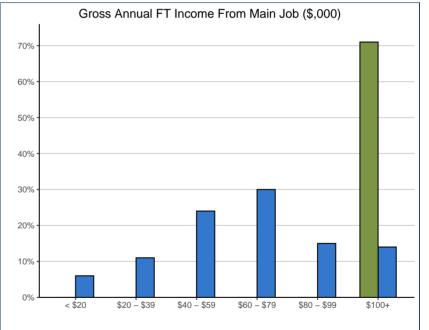
How related is your main job to your program?	14.0901		SYS	TEM
Very Related	20	63%	3,081	44%
Somewhat Related	11	34%	2,151	31%
Not Very Related	0	0%	901	13%
Not at All Related	1	3%	910	13%
Total	32	100%	7,043	100%

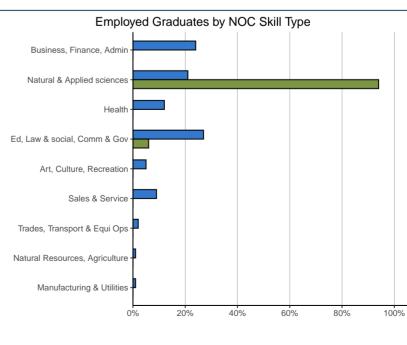
"Under-employment" Assessment:	14.0901		SYSTE	
Job is very or somewhat related to program	31	97%	5,232	74%
NOC Skill Level = A (University Education)*	30	97%	4,148	64%

^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.0901		SYSTEM	
Less than \$20,000	0	0%	310	6%
\$20,000 to \$39,999	~	~	593	11%
\$40,000 to \$59,999	~	~	1,303	24%
\$60,000 to \$79,999	~	~	1,609	30%
\$80,000 to \$99,999	~	~	805	15%
\$100,000 and Above	17	71%	729	14%
Total	24	100%	5,349	100%
Median Annual Income (full-time) (\$)	130,000		68,000	
Average Annual Income (full-time) (\$)	157,562		74,015	
*Where data provided				

NOC Skill Type of Main Job:	14.	14.0901		TEM
Business, finance & administration	0	0 0%		24%
Natural & applied sciences & related		94%	1,354	21%
Health		0%	761	12%
Education, law and social, community & government	2	6%	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	31	100%	6,499	100%





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

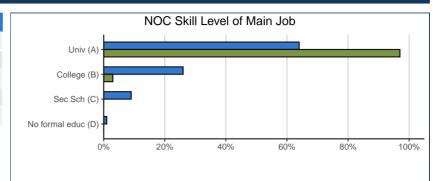
^{**}Of those who provided data on hours/week worked





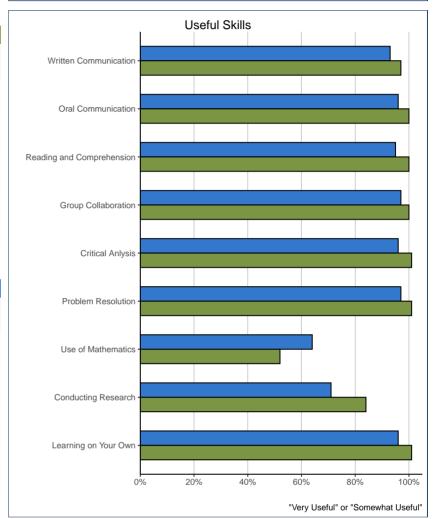
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0901		SYSTEM	
A. University education	30	97%	4,148	64%
B. College education/trade apprenticeship	1	3%	1,713	26%
C. Secondary school + job-specific training	0	0%	564	9%
D. No formal education	0	0%	90	1%
Total	31	100%	6,515	100%



	14.0901				
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	63%	34%	3%	0%	32
Oral Communication	75%	25%	0%	0%	32
Reading and Comprehension	69%	31%	0%	0%	32
Group Collaboration	75%	25%	0%	0%	32
Critical Anlysis	88%	13%	0%	0%	32
Problem Resolution	88%	13%	0%	0%	32
Use of Mathematics	23%	29%	42%	6%	31
Conducting Research	37%	47%	13%	3%	30
Learning on Your Own	88%	13%	0%	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 14.0901 Graduates:			14.0901
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	Α	Software engineers and designers	44%
2174	Α	Computer programmers and interactive media developers	22%
*			
*			
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^{*} 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	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	А	Secondary school teachers	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.0901		TEM
Personal savings, investments		20%	2,643	31%
Employment while studying		29%	4,042	48%
Family/Friends	28	80%	5,041	60%
Personal bank loans	1	3%	535	6%
Government student loans	8	23%	2,834	34%
Scholarships/Bursaries/Grants	9	26%	2,631	31%
Other	20	57%	1,990	24%
Total	35		8,391	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0901		SYSTEM	
Incurred any form of financial debt	10	28%	3,736	44%
Incurred government-sponsored student loan debt	8	22%	3,105	37%

^{*} Percentage of respondents who provided data



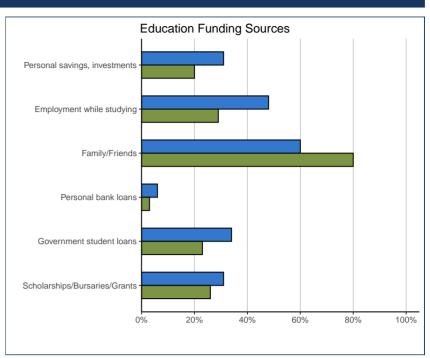
^{*} Includes only cases where financial debt was incurred

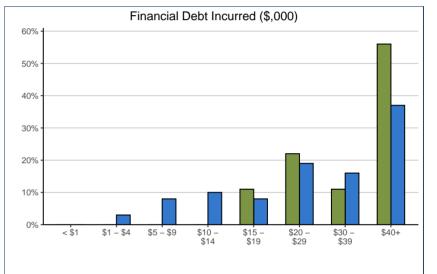


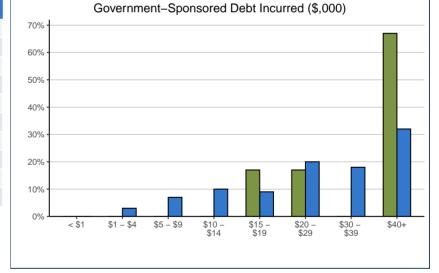
^{*} Includes only cases where government-sponsored debt was incurred

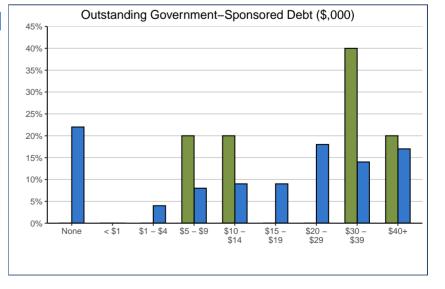


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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