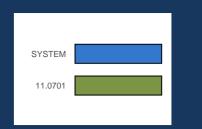


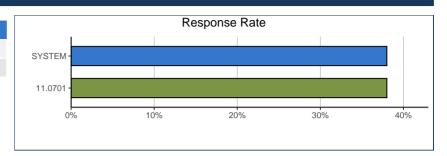
### B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

Detailed Summary of Survey Results
All Institutions
11.0701: Computer science



### RESPONSE RATE

Survey Response Rate:	11.0701		SYSTEM	
Baccalaureate Graduates Survey Cohort	916	100%	24,752	100%
Survey Respondents and Response Rate	348	38%	9,423	38%

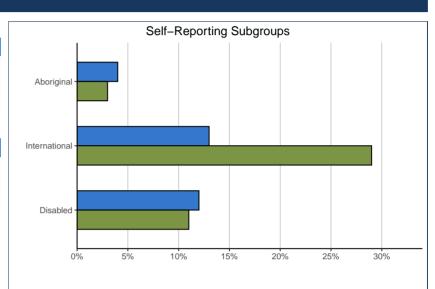


#### DEMOGRAPHIC INFORMATION

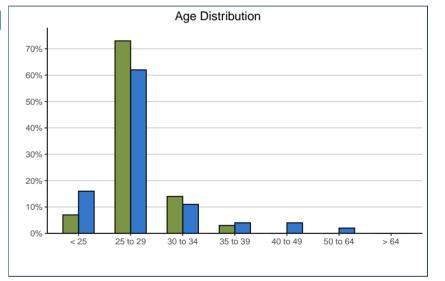
Self-Reporting Subgroups:	11.0701		SYSTEM	
Disabled	37	11%	1,082	12%
International	100	29%	1,205	13%
Aboriginal	7	3%	357	4%

Gender:*	11.0701		SYSTEM	
Male	270	78%	3,744	40%
Female	78	22%	5,675	60%
Total	348	100%	9,419	100%

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

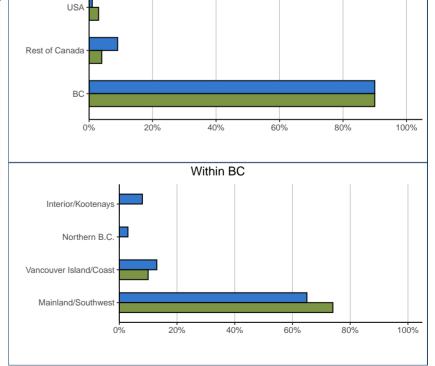


Age (at time of survey):	11.0701		SYSTEM	
< 25	26	7%	1,496	16%
25 to 29	255	73%	5,860	62%
30 to 34	49	14%	1,035	11%
35 to 39	10	3%	421	4%
40 to 49	~	~	397	4%
50 to 64	~	~	186	2%
> 64	0	0%	22	0%
Total	348	100%	9,417	100%
Median Age	26		26	
Average (mean) Age	28		28	



Place of Residence

Place of Basislanes (et time of assess)	44.	0704	OVOTEM		
Place of Residence (at time of survey):	11.0	0701	SYS	SYSTEM	
BC – Mainland/Southwest	224	74%	5,472	65%	
BC – Vancouver Island/Coast	29	10%	1,112	13%	
BC – Northern B.C.	~	~	270	3%	
BC – Interior/Kootenays	~	~	672	8%	
BC Subtotal	273	90%	7,526	90%	
Canada – Alberta	~	~	343	4%	
Canada – Ontario	11	4%	280	3%	
Canada – Other	~	~	176	2%	
U.S.A.	8	3%	80	1%	
Non-BC Subtotal	29	10%	879	10%	
Total	302	100%	8,405	100%	





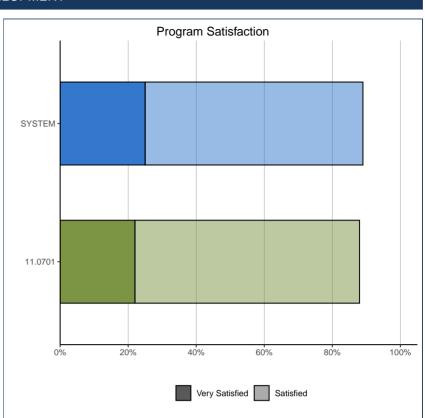


#### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	11.0701		SYS	TEM
Very Satisfied	76	22%	2,332	25%
Satisfied	227	66%	5,914	64%
Dissatisfied	30	9%	831	9%
Very Dissatisfied	10	3%	188	2%
Total	343	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	11.0701		SYSTEM	
Very Useful	142	46%	3,011	38%
Somewhat Useful	134	44%	3,664	47%
Not Very Useful	22	7%	886	11%
Not at All Useful	9	3%	283	4%
Total	307	100%	7,844	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	11.	11.0701		SYSTEM		
Yes	38	11%	902	10%		
No	298	89%	8,298	90%		



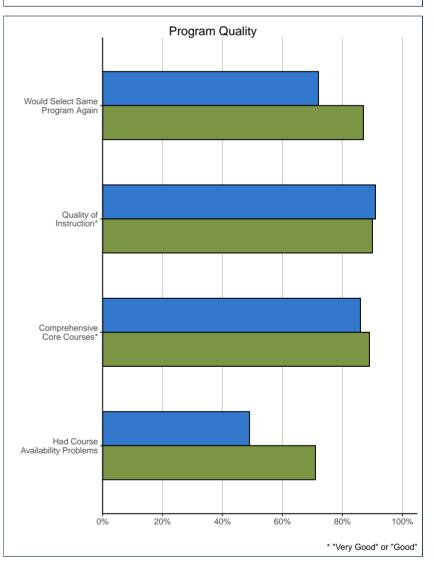
Would select the same program again:	11.0701		SYSTEM	
Yes	280	87%	5,963	72%
No	42	13%	2,334	28%

Quality of Instruction:	11.0701		SYSTEM	
Very Good	79	23%	2,498	27%
Good	231	67%	6,007	64%
Poor	30	9%	685	7%
Very Poor	4	1%	131	1%
Total	344	100%	9.321	100%

Comprehensiveness of Core Courses:	11.0	11.0701		TEM
Very Good	77	23%	2,303	25%
Good	225	66%	5,649	61%
Poor	37	11%	1,073	12%
Very Poor	2	1%	172	2%
Total	341	100%	9,197	100%

Course Availability:	11.0	11.0701		SYSTEM	
Encountered course availability problems	242	71%	4,485	49%	

Financial Constraints:	11.0701		SYS	TEM
Had to interrupt studies for financial reasons	25	7%	987	11%
Had to take program part-time for financial reasons	42	12%	1,629	18%

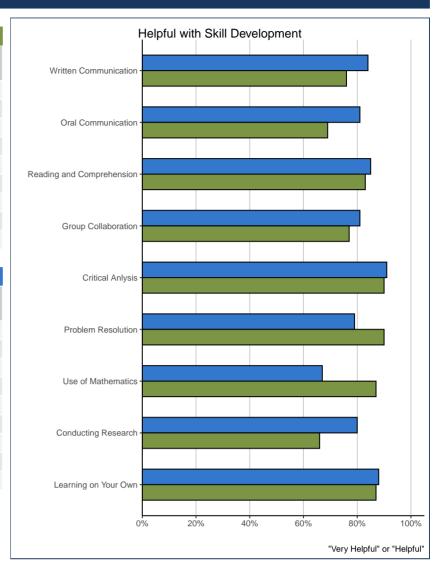




#### SKILL DEVELOPMENT

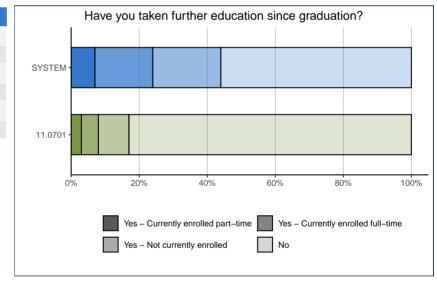
			11.0701		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	15%	61%	19%	4%	313
Oral Communication	14%	55%	26%	5%	316
Reading and Comprehension	22%	61%	14%	2%	334
Group Collaboration	22%	55%	18%	5%	341
Critical Anlysis	40%	50%	8%	2%	343
Problem Resolution	34%	56%	8%	2%	338
Use of Mathematics	36%	51%	11%	2%	338
Conducting Research	21%	45%	29%	5%	317
Learning on Your Own	45%	42%	11%	2%	341

			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

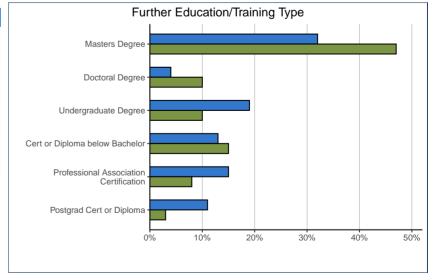


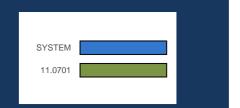
#### **FURTHER EDUCATION**

Took further education since 2020 graduation:	11.0701		SYSTEM	
Yes	60	17%	4,119	44%
Not currently enrolled	30	9%	1,831	20%
Currently enrolled full-time	19	5%	1,602	17%
Currently enrolled part-time	10	3%	637	7%
No	286	83%	5,244	56%
Total	346	100%	9,363	100%



Type of Formal Post–Secondary Education:	11.	11.0701		SYSTEM	
Masters Degree	28	47%	1,307	32%	
Doctoral Degree	6	10%	167	4%	
Another Undergraduate Degree	6	10%	789	19%	
Certificate or Diploma below Bachelor level	9	15%	527	13%	
Professional Association Certification	5	8%	603	15%	
Postgraduate Certificate or Diploma	2	3%	431	11%	
Other	3	5%	236	6%	
Total	59	100%	4,060	100%	



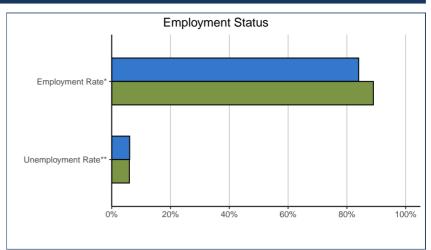


#### **EMPLOYMENT**

Labour Fource Status:	11.0701		SYSTEM	
In Labour Force (working or seeking work)	331	97%	8,412	91%
Not in Labour Force	12	3%	857	9%
Total	343	100%	9,269	100%

Employment:	11.0701		SYS	TEM
Employment Rate*	311	89%	7,900	84%
Unemployment Rate**	20	6.0%	512	6.1%

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

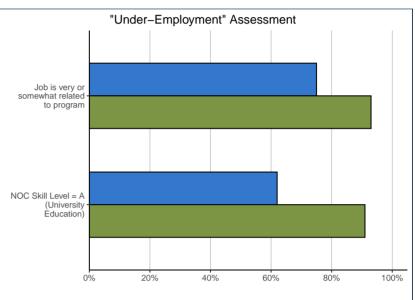


Status of Graduates NOT in Labour Force:	11.0701		SYSTEM	
Attending School FT	3	25%	597	70%
Attending School PT	0	0%	23	3%
Other	9	75%	237	28%
Total NOT in Labour Force	12	100%	857	100%

Primary Employment Type:	11.0701		SYS	TEM
Paid worker	308	99%	7,394	94%
Self-employed	3	1%	493	6%
Total	311	100%	7,887	100%

Job Characteristics:	11.0701		SYS	TEM
I hold more than one job*	16	5%	1,463	19%
My main job is full-time (>= 30 hours per week)**	285	97%	6,655	89%

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



How related is your main job to your program?	11.0701		SYSTEM	
Very Related	203	66%	3,386	43%
Somewhat Related	84	27%	2,530	32%
Not Very Related	15	5%	1,013	13%
Not at All Related	7	2%	954	12%
Total	309	100%	7,883	100%

"Under-employment" Assessment:	11.0701		SYSTEM	
Job is very or somewhat related to program	287	93%	5,916	75%
NOC Skill Level = A (University Education)*	270	91%	4,631	62%

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

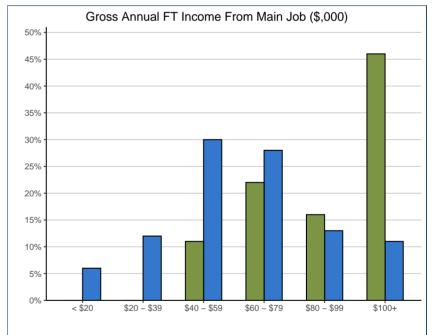
Total

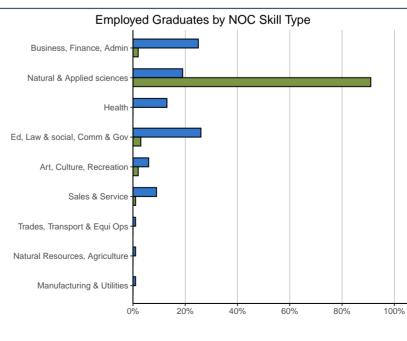
Gross Annual Income from Main Job:*		0701	SYS	TEM	
Less than \$20,000	~	~ ~		6%	
\$20,000 to \$39,999	~	~	725	12%	
\$40,000 to \$59,999	24	11%	1,773	30%	
\$60,000 to \$79,999	48	22%	1,673	28%	
\$80,000 to \$99,999	36	16%	799	13%	
\$100,000 and Above	102	46%	659	11%	
Total	222	100%	5,957	100%	
Median Annual Income (full-time) (\$)	96,000		63,000		
Average Annual Income (full-time) (\$)	109,508		70,455		
*Where data provided					

NOC Skill Type of Main Job:	11.	11.0701		TEM
Business, finance & administration	7	7 2%		25%
Natural & applied sciences & related	267	91%	1,422	19%
Health	1	0%	933	13%
Education, law and social, community & government	10	3%	1,946	26%
Art, culture, recreation & sport	5	2%	438	6%
Sales & service	4	1%	658	9%
Trades, transport & equipment operators & related	1	0%	104	1%
Natural resources, agriculture & related production	0	0%	42	1%
Manufacturing & utilities	0 0% 39		39	1%

295

100%





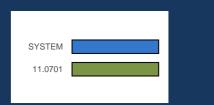
7,426

100%

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

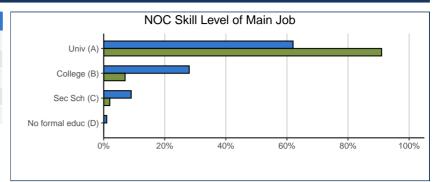
<sup>\*\*</sup>Of those who provided data on hours/week worked





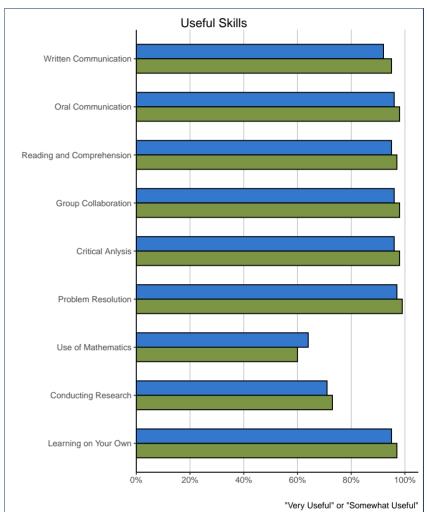
### EMPLOYMENT, continued

NOC Skill Level of Main Job:	11.0701		SYSTEM	
A. University education	270	91%	4,631	62%
B. College education/trade apprenticeship	20	7%	2,082	28%
C. Secondary school + job-specific training	6	2%	647	9%
D. No formal education	0	0%	86	1%
Total	296	100%	7,446	100%



			11.0701		
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	59%	36%	4%	1%	308
Oral Communication	70%	28%	2%	0%	309
Reading and Comprehension	66%	31%	3%	0%	308
Group Collaboration	71%	27%	2%	0%	309
Critical Anlysis	76%	22%	2%	0%	309
Problem Resolution	82%	17%	1%	0%	309
Use of Mathematics	22%	38%	29%	11%	305
Conducting Research	33%	40%	19%	9%	307
Learning on Your Own	77%	20%	2%	1%	308

		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-1	time Occupations of 11.0701	Graduates:	11.0701
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	39%
2174	А	Computer programmers and interactive media developers	30%
2171	A	Information systems analysts and consultants	4%
2172	Α	Database analysts and data administrators	3%
XXXX	0	Unclassified occupations	3%
2282	В	User support technicians	2%
2175	Α	Web designers and developers	2%
*			
*			
*			

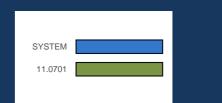
<sup>\*</sup> Data not displayed where n < 5

<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):*	11.	11.0701		TEM
Personal savings, investments	89	89 27%		31%
Employment while studying	134	41%	4,716	51%
Family/Friends	234	71%	5,423	59%
Personal bank loans	9	3%	600	7%
Government student loans	97	29%	3,008	33%
Scholarships/Bursaries/Grants	80	24%	2,803	31%
Other	147	45%	1,997	22%
Total	330		9,180	

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

Financial Debt Incurred to Finance Bac. Ed.:*	11.0701		SYSTEM	
Incurred any form of financial debt	125	37%	4,031	44%
Incurred government-sponsored student loan debt	107	31%	3,331	36%

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



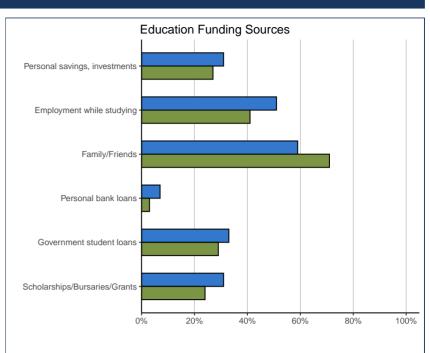
<sup>\*</sup> Includes only cases where financial debt was incurred

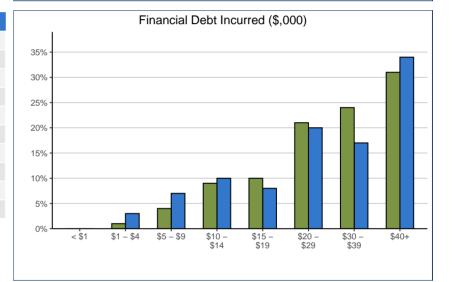


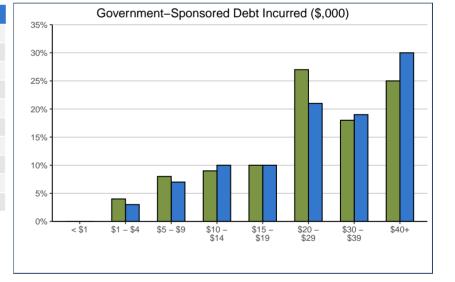
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

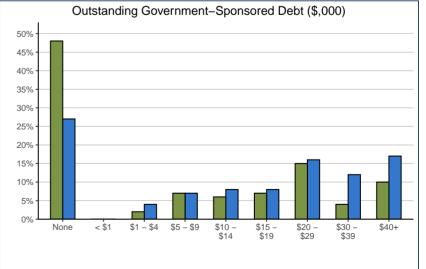


<sup>\*</sup> Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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