B.C. Baccalaureate Outcomes
2024 Survey of 2022 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	1,102	100%	24,572	100%
Survey Respondents and Response Rate	274	25%	6,200	25%

Response Rate
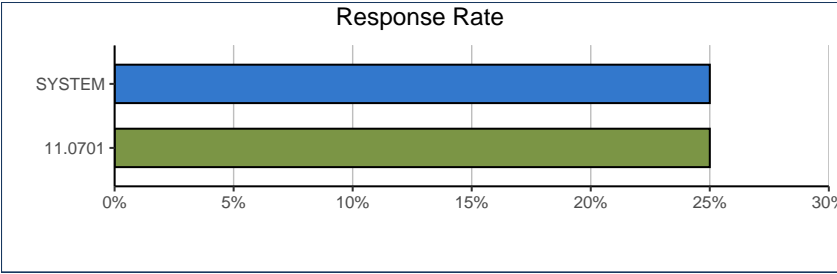
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	11.0701		SYSTEM	
Disabled	22	8%	851	14%
International	102	37%	878	14%
Indigenous	~	~	264	5%

Self–Reporting Subgroups

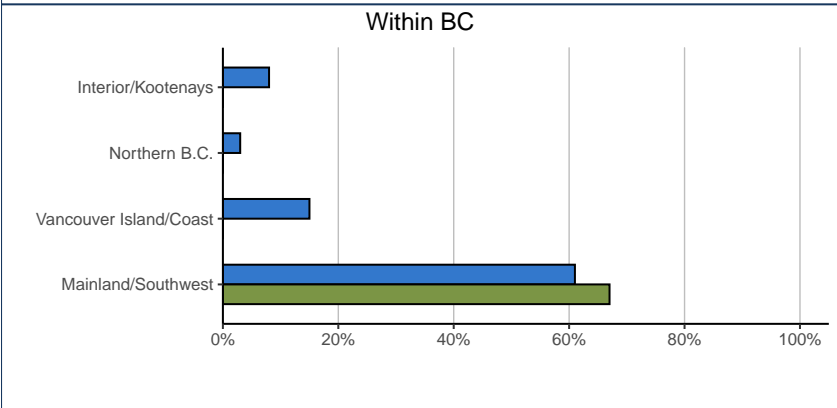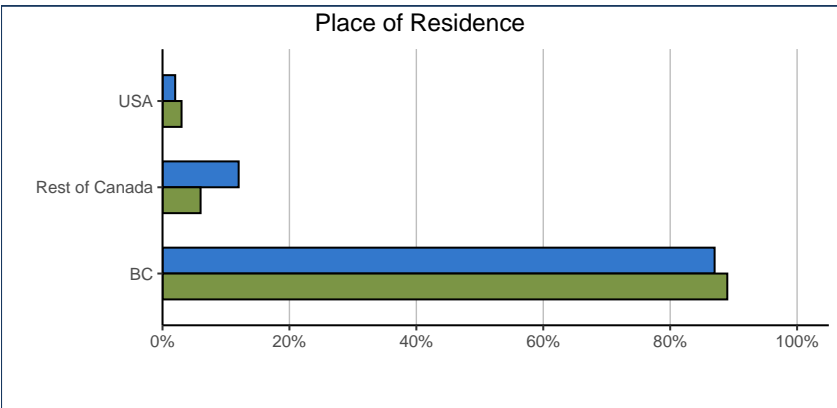| Gender:*	11.0701		SYSTEM	
Man/Boy	226	83%	2,656	43%
Woman/Girl	46	17%	3,527	57%
Total	272	100%	6,183	100%

*Due to zero or low counts, institution–reported "Non–Binary" demographic data are not included
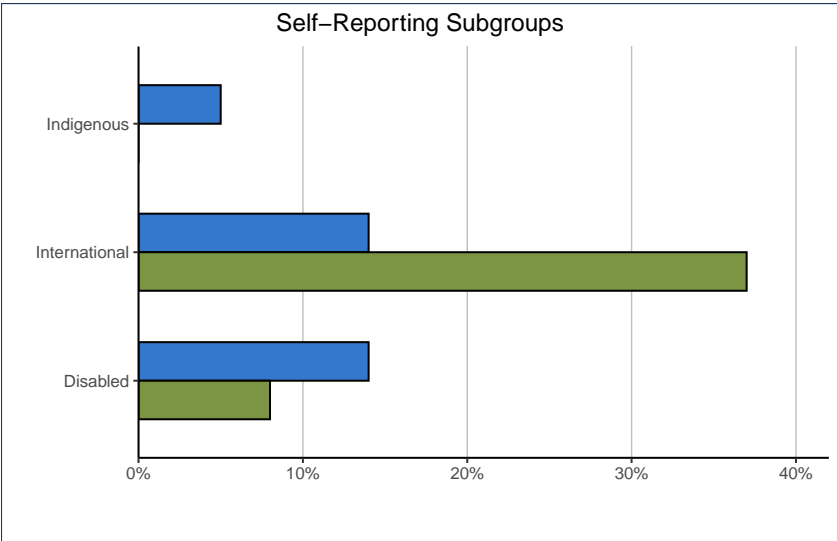
Age (at time of survey):	11.0701		SYSTEM	
< 25	44	16%	1,133	18%
25 to 29	189	69%	3,740	60%
30 to 34	25	9%	617	10%
35 to 39	~	~	271	4%
40 to 49	0	0%	279	5%
50 to 64	~	~	129	2%
> 64	0	0%	17	0%
Total	273	100%	6,186	100%
Median Age	26		26	
Average (mean) Age	27		28	

Age Distribution
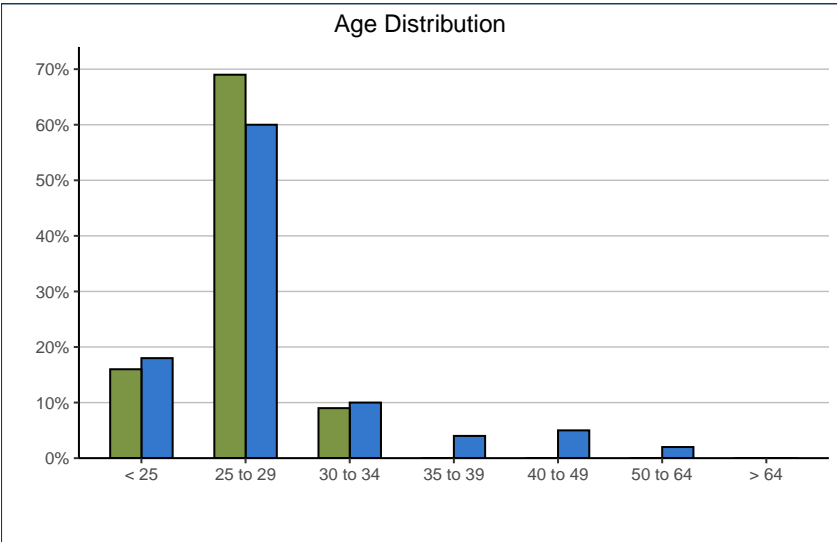
Place of Residence (at time of survey):	11.0701		SYSTEM	
BC – Mainland/Southwest	156	67%	3,405	61%
BC – Vancouver Island/Coast	~	~	809	15%
BC – Northern B.C.	~	~	160	3%
BC – Interior/Kootenays	~	~	459	8%
BC Subtotal	207	89%	4,833	87%
Canada – Alberta	~	~	266	5%
Canada – Ontario	14	6%	212	4%
Canada – Other	~	~	139	3%
U.S.A.	6	3%	100	2%
Non–BC Subtotal	25	11%	717	13%
Total	232	100%	5,550	100%

Place of Residence

Within BC

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
11.0701: Computer science

SYSTEM
11.0701

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	11.0701		SYSTEM	
Very Satisfied	64	24%	1,771	29%
Satisfied	176	65%	3,775	62%
Dissatisfied	23	9%	469	8%
Very Dissatisfied	7	3%	110	2%
Total	270	100%	6,125	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	11.0701		SYSTEM	
Very Useful	101	45%	1,989	40%
Somewhat Useful	102	45%	2,266	46%
Not Very Useful	12	5%	531	11%
Not at All Useful	10	4%	158	3%
Total	225	100%	4,944	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	11.0701		SYSTEM	
Yes	30	11%	515	9%
No	240	89%	5,527	91%

Would select the same program again:	11.0701		SYSTEM	
Yes	196	80%	4,137	75%
No	49	20%	1,363	25%

Quality of Instruction:	11.0701		SYSTEM	
Very Good	54	20%	1,727	28%
Good	185	69%	3,934	64%
Poor	24	9%	402	7%
Very Poor	5	2%	77	1%
Total	268	100%	6,140	100%

Comprehensiveness of Core Courses:	11.0701		SYSTEM	
Very Good	68	25%	1,667	27%
Good	157	58%	3,645	60%
Poor	41	15%	649	11%
Very Poor	4	1%	115	2%
Total	270	100%	6,076	100%

Course Availability:	11.0701		SYSTEM	
Encountered course availability problems	167	61%	2,918	48%

| Financial Constraints:	11.0701		SYSTEM	
Had to interrupt studies for financial reasons	16	6%	565	9%
Had to take program part–time for financial reasons	45	16%	955	16%

Program Satisfaction

Legend: Very Satisfied, Satisfied

Program Quality

* "Very Good" or "Good"

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
11.0701: Computer science
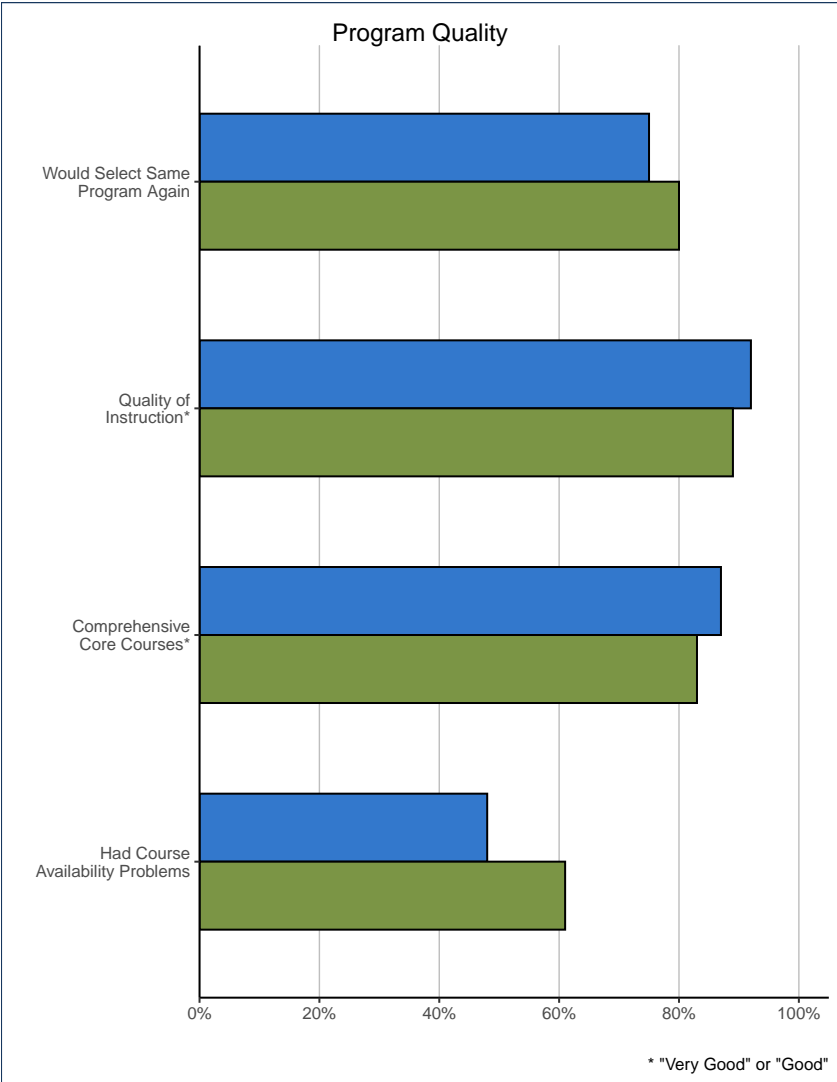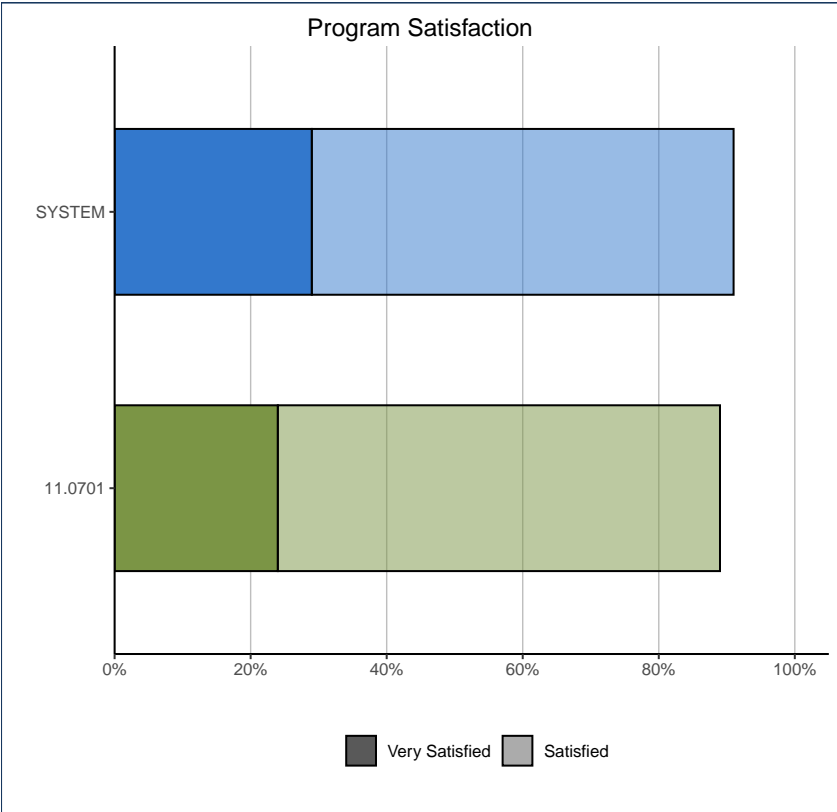
SYSTEM
11.0701

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	11.0701				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	18%	56%	22%	4%	255
Oral Communication	12%	53%	29%	6%	260
Reading and Comprehension	25%	62%	12%	2%	265
Group Collaboration	26%	56%	14%	5%	271
Critical Anlysis	45%	46%	8%	1%	271
Problem Resolution	35%	54%	11%	0%	269
Use of Mathematics	42%	46%	11%	1%	269
Conducting Research	21%	49%	22%	8%	246
Learning on Your Own	50%	41%	6%	3%	267

Skill Development: How helpful was institution?	SYSTEM				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	29%	57%	13%	2%	6,011
Oral Communication	25%	56%	16%	2%	6,039
Reading and Comprehension	32%	55%	12%	1%	6,026
Group Collaboration	30%	50%	17%	4%	6,055
Critical Anlysis	43%	49%	7%	2%	6,142
Problem Resolution	25%	55%	18%	3%	5,966
Use of Mathematics	22%	47%	24%	7%	4,674
Conducting Research	32%	48%	17%	3%	5,806
Learning on Your Own	39%	49%	9%	2%	6,059

Helpful with Skill Development

"Very Helpful" or "Helpful"
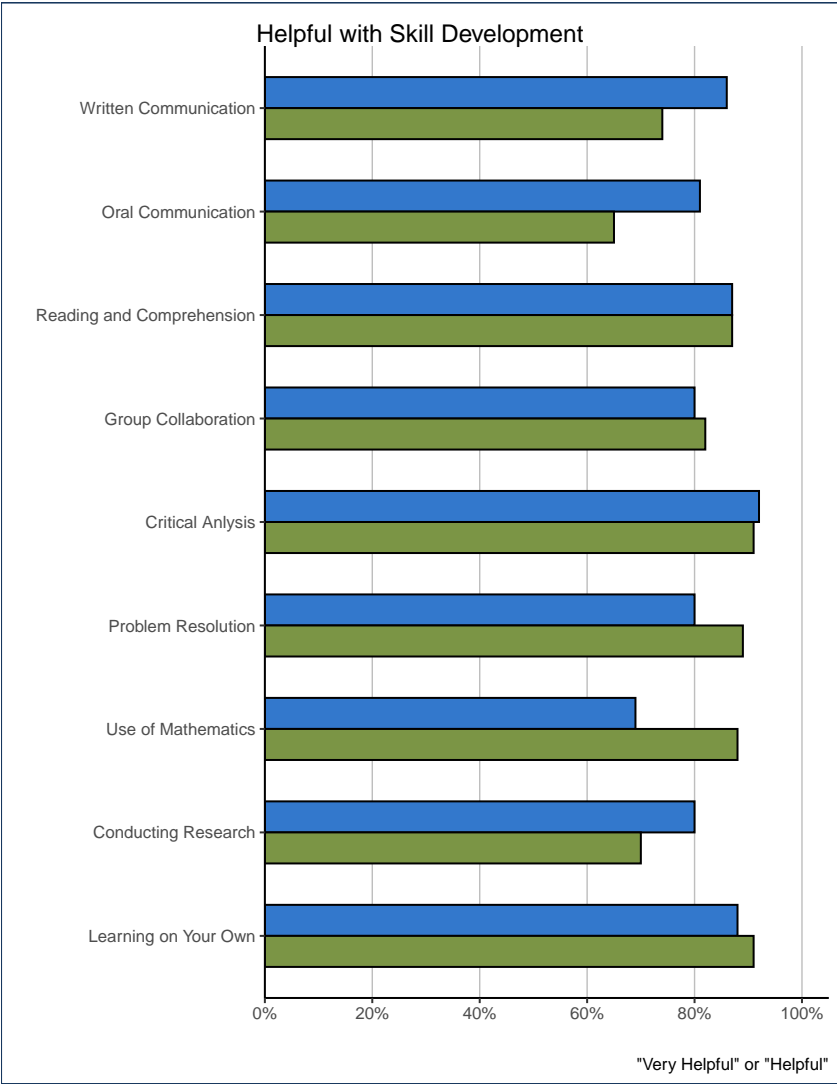
FURTHER EDUCATION

Took further education since 2022 graduation:	11.0701		SYSTEM	
Yes	64	23%	2,708	44%
Not currently enrolled	31	11%	1,069	17%
Currently enrolled full–time	28	10%	1,219	20%
Currently enrolled part–time	3	1%	389	6%
No	209	77%	3,459	56%
Total	273	100%	6,167	100%

Have you taken further education since graduation?

- Yes – Currently enrolled part–time
- Yes – Currently enrolled full–time
- Yes – Not currently enrolled
- No
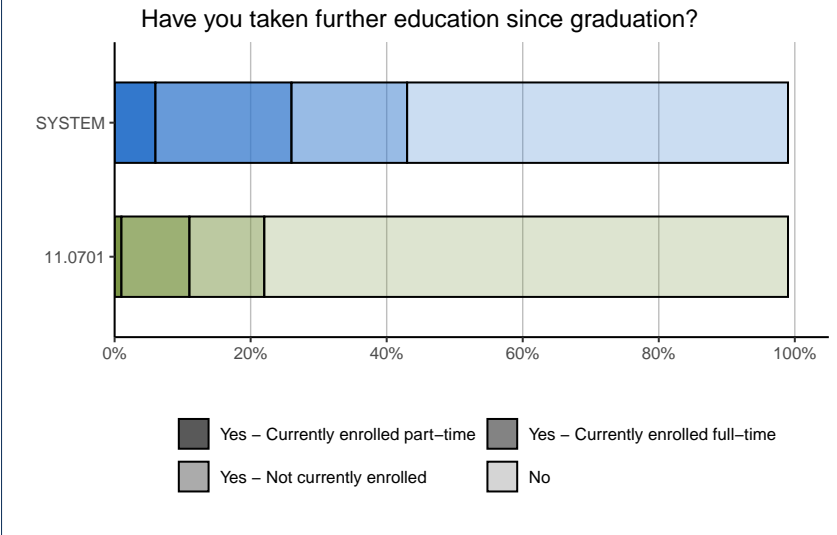
Type of Formal Post–Secondary Education:	11.0701		SYSTEM	
Master's Degree	39	62%	979	37%
Doctoral Degree	6	10%	155	6%
Another Undergraduate Degree	3	5%	543	20%
Certificate or Diploma below Bachelor Level	5	8%	374	14%
Professional Association Certification	4	6%	274	10%
Postgraduate Certificate or Diploma	4	6%	238	9%
Other	2	3%	119	4%
Total	63	100%	2,682	100%

Further Education/Training Type

BC Student Outcomes

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11.0701: Computer science
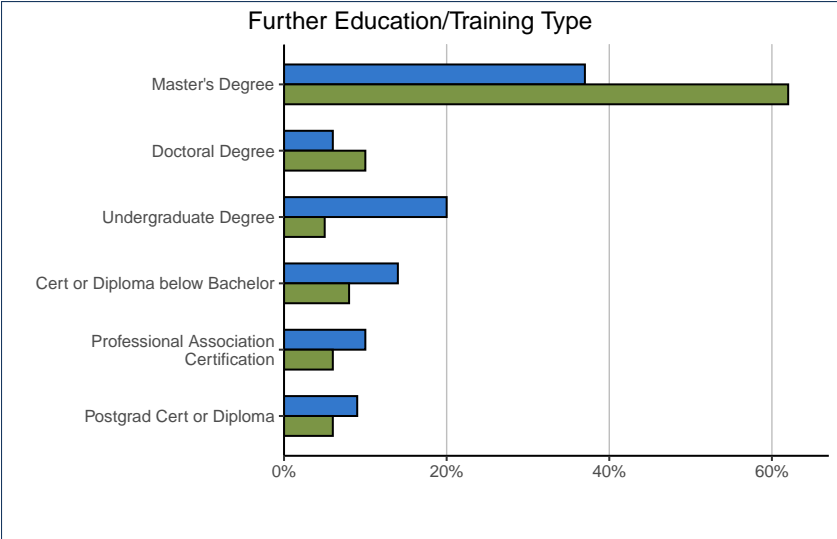
SYSTEM
11.0701

EMPLOYMENT

Labour Fource Status:	11.0701		SYSTEM	
In Labour Force (working or seeking work)	250	92%	5,472	90%
Not in Labour Force	22	8%	613	10%
Total	272	100%	6,085	100%

Employment:	11.0701		SYSTEM	
Employment Rate*	225	82%	4,982	80%
Unemployment Rate**	25	10.0%	490	9.0%

*Percent = Total employed divided by total number of respondents
**Percent = Total unemployed divided by total number in labour force
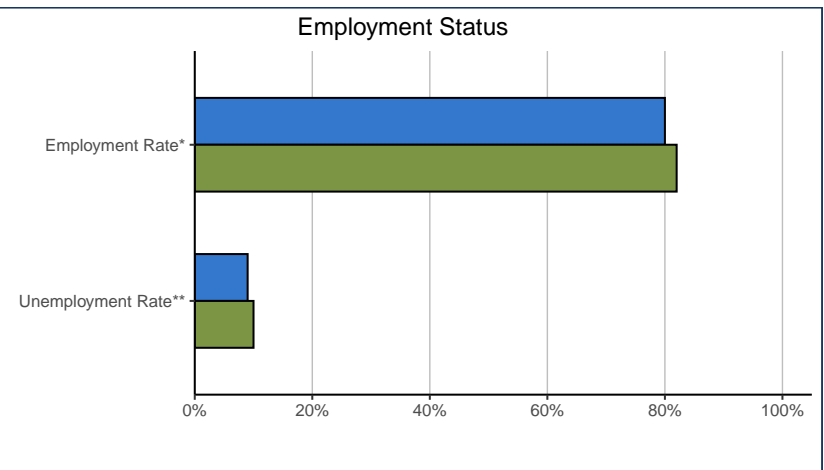
Employment Status

Status of Graduates NOT in Labour Force:	11.0701		SYSTEM	
Attending School FT	18	82%	446	73%
Attending School PT	0	0%	19	3%
Other	4	18%	148	24%
Total NOT in Labour Force	22	100%	613	100%

Primary Employment Type:	11.0701		SYSTEM	
Paid Worker	215	96%	4,678	94%
Self–Employed	10	4%	296	6%
Total	225	100%	4,974	100%

Job Characteristics:	11.0701		SYSTEM	
I hold more than one job*	16	7%	941	19%
My main job is full–time (>= 30 hours per week)**	209	96%	4,109	87%

*Of total employed
**Of those who provided data on hours/week worked

"Under–Employment" Assessment
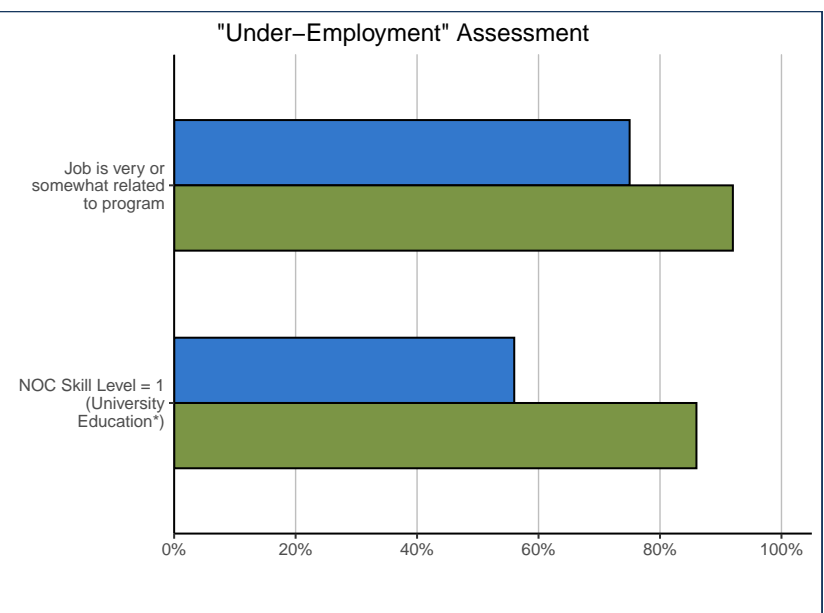
How related is your main job to your program?	11.0701		SYSTEM	
Very Related	154	68%	2,190	44%
Somewhat Related	52	23%	1,532	31%
Not Very Related	5	2%	579	12%
Not at All Related	14	6%	668	13%
Total	225	100%	4,969	100%

"Under–Employment" Assessment:	11.0701		SYSTEM	
Job is very or somewhat related to program	206	92%	3,722	75%
NOC Skill Level = 1 (University Education)*	183	86%	2,648	56%

*Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	11.0701		SYSTEM	
Less than $20,000	~	~	208	6%
$20,000 to $39,999	~	~	406	11%
$40,000 to $59,999	22	13%	818	22%
$60,000 to $79,999	32	19%	1,081	29%
$80,000 to $99,999	27	16%	627	17%
$100,000 and Above	75	44%	623	17%
Total	170	100%	3,763	100%
Median Annual Income (full–time) ($)	94,500		71,127	
Average Annual Income (full–time) ($)	108,391		78,771	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
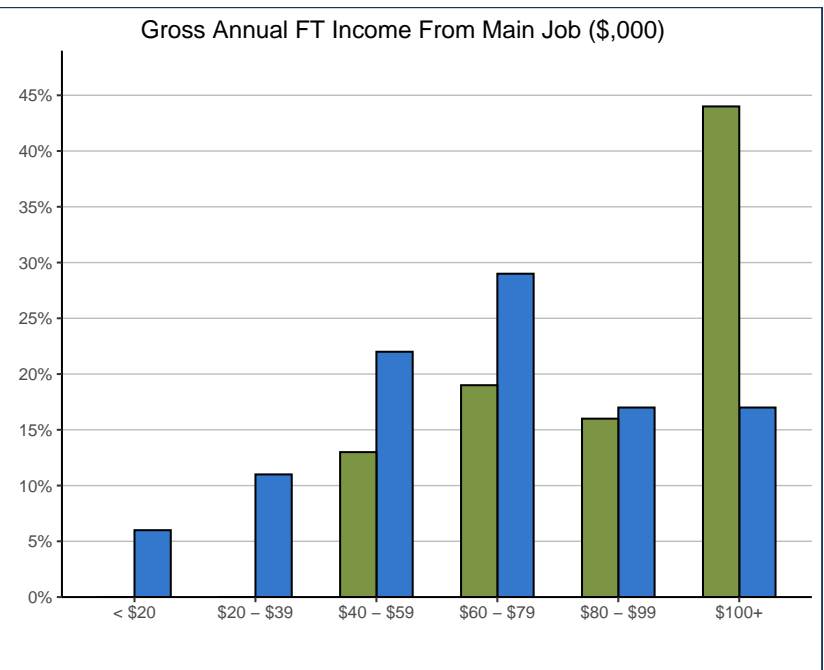
NOC Skill Type of Main Job (NOC 2021):	11.0701		SYSTEM	
Legislative and senior management	1	0%	59	1%
Business, finance & administration	3	1%	982	21%
Natural & applied sciences & related	191	90%	966	21%
Health	0	0%	527	11%
Education, law and social, community & government	7	3%	1,323	28%
Art, culture, recreation & sport	2	1%	239	5%
Sales & service	7	3%	435	9%
Trades, transport & equipment operators & related	1	0%	119	3%
Natural resources, agriculture & related production	0	0%	34	1%
Manufacturing & utilities	1	0%	19	0%
Total	213	100%	4,703	100%

Employed Graduates by NOC Skill Type

BC Student Outcomes

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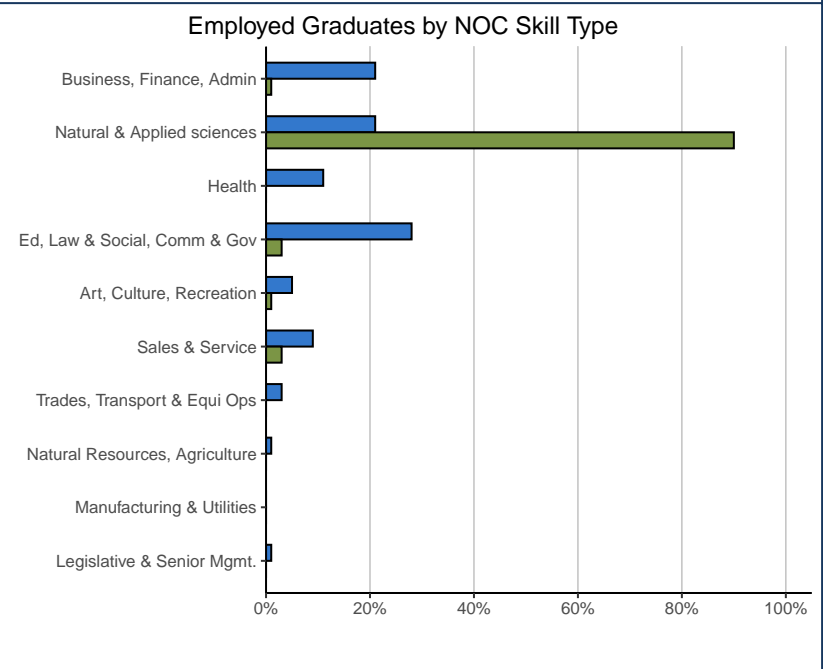
SYSTEM
11.0701

EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	11.0701		SYSTEM	
0. Management	5	2%	382	8%
1. University education	183	86%	2,648	56%
2. College education/trade apprenticeship (2+ years)	15	7%	748	16%
3. College education/trade apprenticeship (<2 years)	3	1%	476	10%
4. Secondary school + job–specific training	5	2%	322	7%
5. No formal education	2	1%	127	3%
Total	213	100%	4,703	100%

NOC Skill Level of Main Job
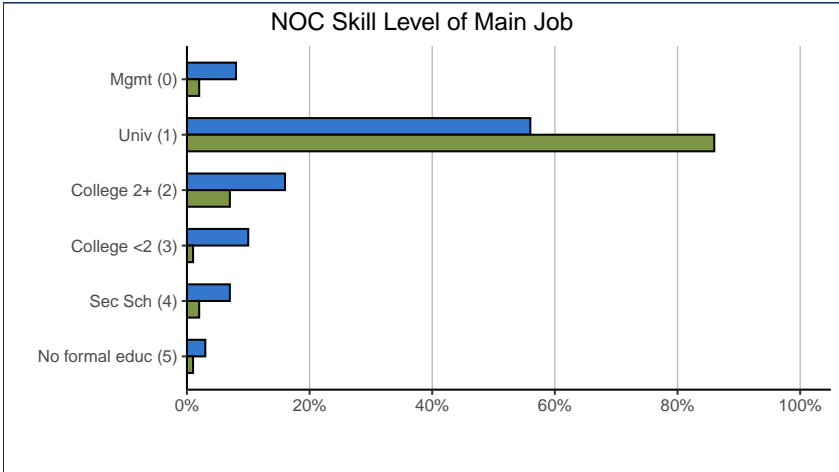
	11.0701				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	53%	38%	7%	2%	224
Oral Communication	72%	24%	3%	1%	225
Reading and Comprehension	70%	25%	4%	0%	224
Group Collaboration	75%	21%	3%	1%	224
Critical Anlysis	81%	17%	2%	0%	224
Problem Resolution	83%	16%	2%	0%	224
Use of Mathematics	25%	42%	23%	10%	222
Conducting Research	39%	34%	16%	11%	223
Learning on Your Own	79%	19%	1%	1%	222

	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%	5%	2%	4,946
Oral Communication	77%	19%	3%	1%	4,956
Reading and Comprehension	73%	22%	3%	1%	4,946
Group Collaboration	78%	18%	2%	1%	4,952
Critical Anlysis	77%	19%	3%	1%	4,949
Problem Resolution	79%	18%	2%	1%	4,949
Use of Mathematics	30%	35%	22%	14%	4,790
Conducting Research	39%	33%	17%	11%	4,847
Learning on Your Own	69%	26%	3%	1%	4,942

Useful Skills

"Very Useful" or "Somewhat Useful"

Top 10 Full–Time Occupations of 11.0701 Graduates*:			11.0701
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
21231	1	Software engineers and designers	36%
21232	1	Software developers and programmers	25%
21211	1	Data scientists	5%
21234	1	Web developers and programmers	3%
XXXXX	X	Unclassified occupations	3%
21222	1	Information systems specialists	2%
22221	2	User support technicians	2%
*			
*			
*			

* Data not displayed where n < 5; NOC 2021

** Percentages cited are of those employed

Top 10 Full–Time Occupations of SYSTEM Graduates*:			SYSTEM
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
31301	1	Registered nurses and registered psychiatric nurses	5%
21231	1	Software engineers and designers	4%
XXXXX	X	Unclassified occupations	4%
41221	1	Elementary school and kindergarten teachers	3%
11202	1	Professional occupations in advertising, marketing and public relations	2%
11100	1	Financial auditors and accountants	2%
42201	2	Social and community service workers	2%
21232	1	Software developers and programmers	2%
13100	3	Administrative officers	2%
41220	1	Secondary school teachers	2%

* Data not displayed where n < 5; NOC 2021

** Percentages cited are of those employed

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
11.0701: Computer science

SYSTEM
11.0701

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	11.0701		SYSTEM	
Personal savings, investments	68	26%	1,927	32%
Employment while studying	101	38%	3,012	50%
Family/Friends	195	74%	3,627	60%
Personal bank loans	6	2%	337	6%
Government student loans	61	23%	2,007	33%
Scholarships/Bursaries/Grants	67	25%	1,988	33%
Other	101	38%	1,362	22%
Total	265		6,073	

* Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	11.0701		SYSTEM	
Incurred any form of financial debt	84	31%	2,595	43%
Incurred government–sponsored student loan debt	68	25%	2,232	36%

* Percentage of respondents who provided data

Education Funding Sources

Financial Debt Amount:*	11.0701		SYSTEM	
< $1,000	1	2%	4	0%
$1,000 to $4,999	2	3%	69	3%
$5,000 to $9,999	4	6%	165	8%
$10,000 to $14,999	6	9%	199	10%
$15,000 to $19,999	7	11%	162	8%
$20,000 to $29,999	13	20%	394	19%
$30,000 to $39,999	8	12%	353	17%
$40,000 or More	24	37%	740	35%
Total	65	100%	2,086	100%
Median Financial Debt ($)	25,000		30,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	11.0701		SYSTEM	
< $1,000	1	2%	5	0%
$1,000 to $4,999	0	0%	48	3%
$5,000 to $9,999	3	7%	121	8%
$10,000 to $14,999	5	11%	155	10%
$15,000 to $19,999	5	11%	133	9%
$20,000 to $29,999	10	22%	299	19%
$30,000 to $39,999	7	16%	296	19%
$40,000 or More	14	31%	500	32%
Total	45	100%	1,557	100%
Median Gov't–Sponsored Loan Debt ($)	25,000		30,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	11.0701		SYSTEM	
None – Loan repaid in full	10	19%	361	20%
< $1,000	1	2%	3	0%
$1,000 to $4,999	2	4%	75	4%
$5,000 to $9,999	6	11%	137	8%
$10,000 to $14,999	6	11%	151	9%
$15,000 to $19,999	9	17%	174	10%
$20,000 to $29,999	8	15%	291	16%
$30,000 to $39,999	6	11%	279	16%
$40,000 or More	6	11%	303	17%
Total	54	100%	1,774	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	17,500		25,000	

* 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

Outstanding Government–Sponsored Debt ($,000)