B.C. Baccalaureate Outcomes
2024 Survey of 2022 Baccalaureate Graduates

Detailed Summary of Survey Results
All Institutions
30.0101: Biological and physical sciences

SYSTEM	
30.0101	

RESPONSE RATE

Survey Response Rate:	30.0101		SYSTEM	
Baccalaureate Graduates Survey Cohort	193	100%	24,572	100%
Survey Respondents and Response Rate	31	16%	6,200	25%

Response Rate
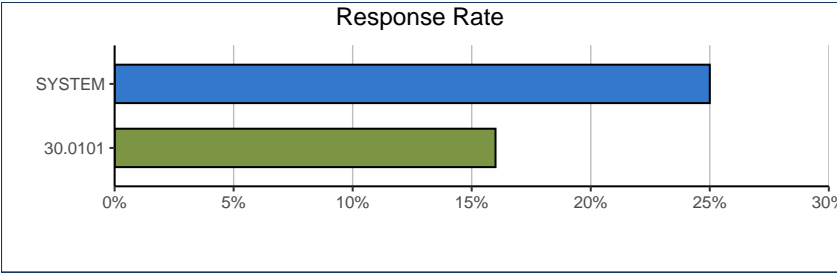
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	30.0101		SYSTEM	
Disabled	~	~	851	14%
International	~	~	878	14%
Indigenous	~	~	264	5%

Gender:*	30.0101		SYSTEM	
Man/Boy	15	48%	2,656	43%
Woman/Girl	16	52%	3,527	57%
Total	31	100%	6,183	100%

*Due to zero or low counts, institution–reported "Non–Binary" demographic data are not included

Self–Reporting Subgroups

Age (at time of survey):	30.0101		SYSTEM	
< 25	~	~	1,133	18%
25 to 29	16	52%	3,740	60%
30 to 34	0	0%	617	10%
35 to 39	0	0%	271	4%
40 to 49	~	~	279	5%
50 to 64	0	0%	129	2%
> 64	0	0%	17	0%
Total	31	100%	6,186	100%
Median Age	25		26	
Average (mean) Age	25		28	

Age Distribution
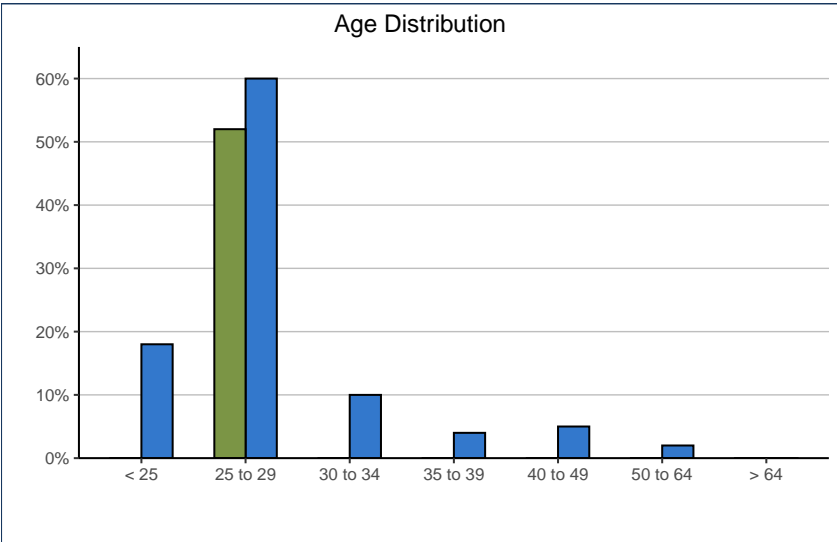
Place of Residence (at time of survey):	30.0101		SYSTEM	
BC – Mainland/Southwest	~	~	3,405	61%
BC – Vancouver Island/Coast	0	0%	809	15%
BC – Northern B.C.	0	0%	160	3%
BC – Interior/Kootenays	~	~	459	8%
BC Subtotal	26	93%	4,833	87%
Canada – Alberta	~	~	266	5%
Canada – Ontario	~	~	212	4%
Canada – Other	0	0%	139	3%
U.S.A.	0	0%	100	2%
Non–BC Subtotal	~	~	717	13%
Total	~	~	5,550	100%

Place of Residence

Within BC

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
30.0101: Biological and physical sciences
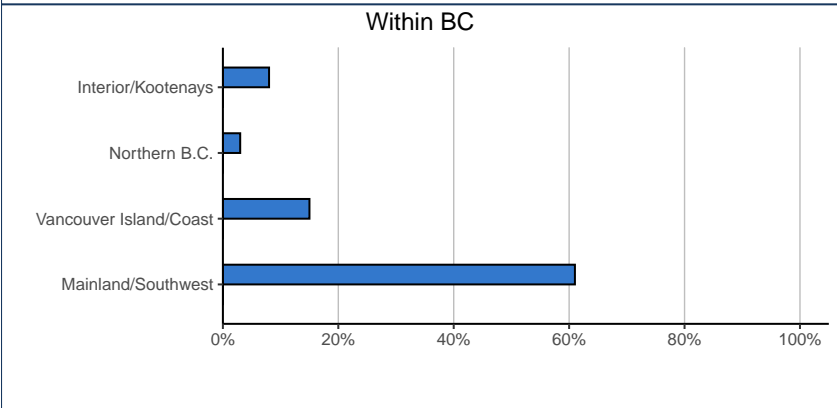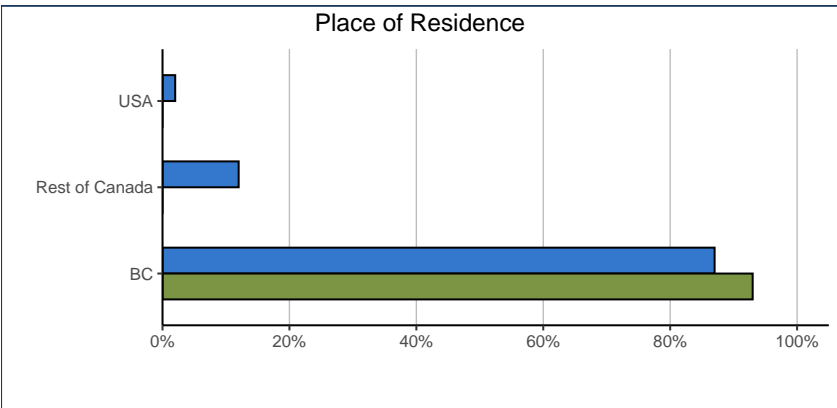
SYSTEM
30.0101

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	30.0101		SYSTEM	
Very Satisfied	12	41%	1,771	29%
Satisfied	16	55%	3,775	62%
Dissatisfied	1	3%	469	8%
Very Dissatisfied	0	0%	110	2%
Total	29	100%	6,125	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	30.0101		SYSTEM	
Very Useful	2	17%	1,989	40%
Somewhat Useful	9	75%	2,266	46%
Not Very Useful	1	8%	531	11%
Not at All Useful	0	0%	158	3%
Total	12	100%	4,944	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	30.0101		SYSTEM	
Yes	3	10%	515	9%
No	28	90%	5,527	91%

Would select the same program again:	30.0101		SYSTEM	
Yes	22	81%	4,137	75%
No	5	19%	1,363	25%

Quality of Instruction:	30.0101		SYSTEM	
Very Good	11	37%	1,727	28%
Good	19	63%	3,934	64%
Poor	0	0%	402	7%
Very Poor	0	0%	77	1%
Total	30	100%	6,140	100%

Comprehensiveness of Core Courses:	30.0101		SYSTEM	
Very Good	11	42%	1,667	27%
Good	14	54%	3,645	60%
Poor	1	4%	649	11%
Very Poor	0	0%	115	2%
Total	26	100%	6,076	100%

Course Availability:	30.0101		SYSTEM	
Encountered course availability problems	20	65%	2,918	48%

Financial Constraints:	30.0101		SYSTEM	
Had to interrupt studies for financial reasons	2	6%	565	9%
Had to take program part–time for financial reasons	1	3%	955	16%

Program Satisfaction

Program Quality

* "Very Good" or "Good"

BC Student Outcomes

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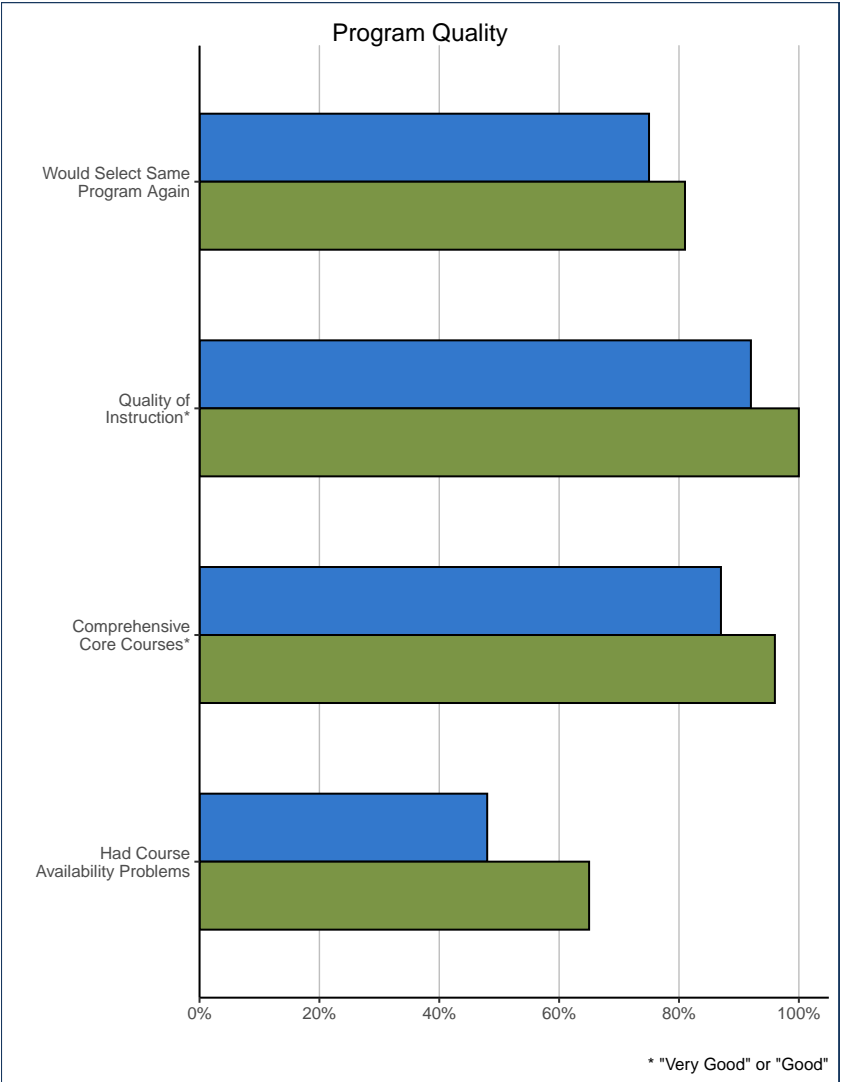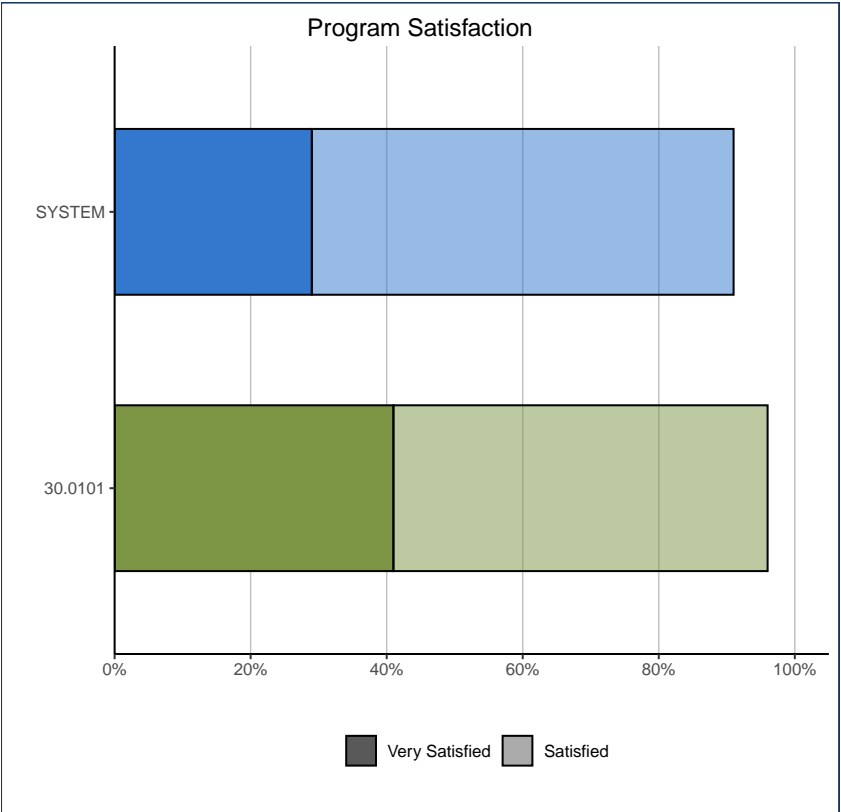
SYSTEM
30.0101

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	30.0101				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	25%	68%	7%	0%	28
Oral Communication	28%	66%	3%	3%	29
Reading and Comprehension	55%	41%	3%	0%	29
Group Collaboration	46%	39%	14%	0%	28
Critical Anlysis	55%	45%	0%	0%	29
Problem Resolution	36%	61%	4%	0%	28
Use of Mathematics	20%	56%	20%	4%	25
Conducting Research	47%	37%	10%	7%	30
Learning on Your Own	47%	50%	0%	3%	30

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"
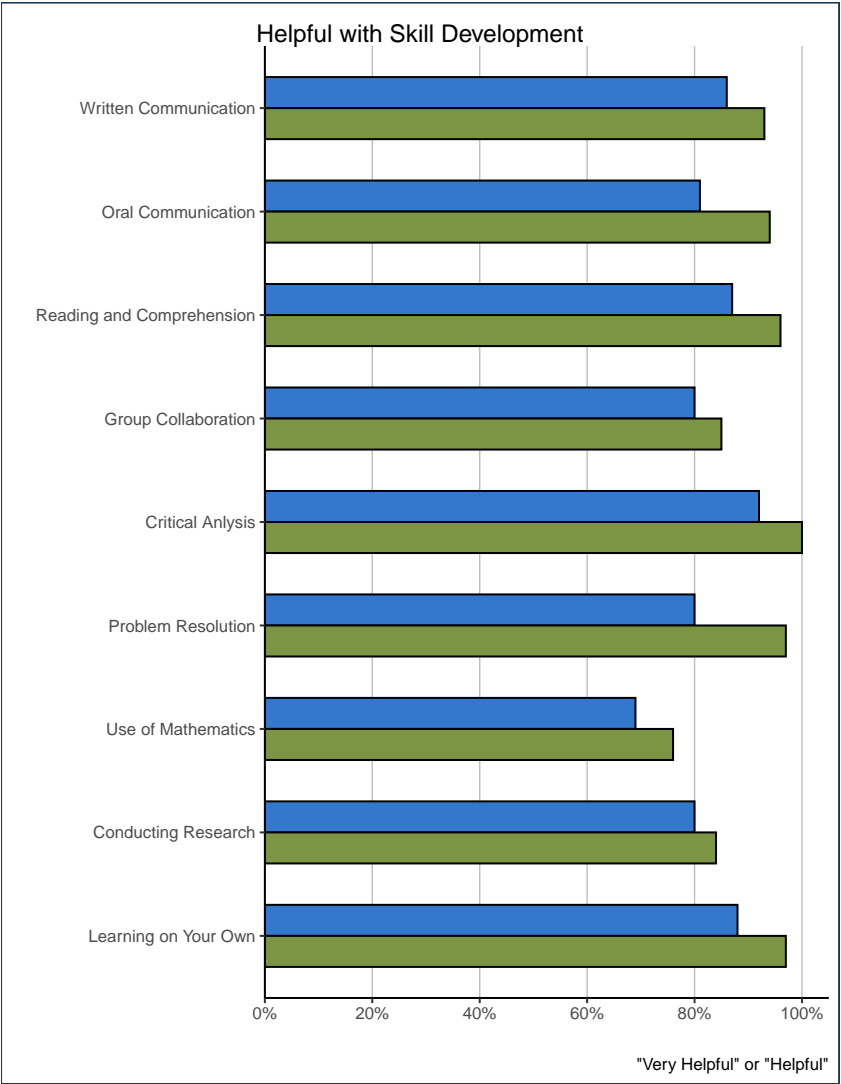
FURTHER EDUCATION

Took further education since 2022 graduation:	30.0101		SYSTEM	
Yes	24	80%	2,708	44%
Not currently enrolled	1	3%	1,069	17%
Currently enrolled full–time	21	70%	1,219	20%
Currently enrolled part–time	1	3%	389	6%
No	6	20%	3,459	56%
Total	30	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
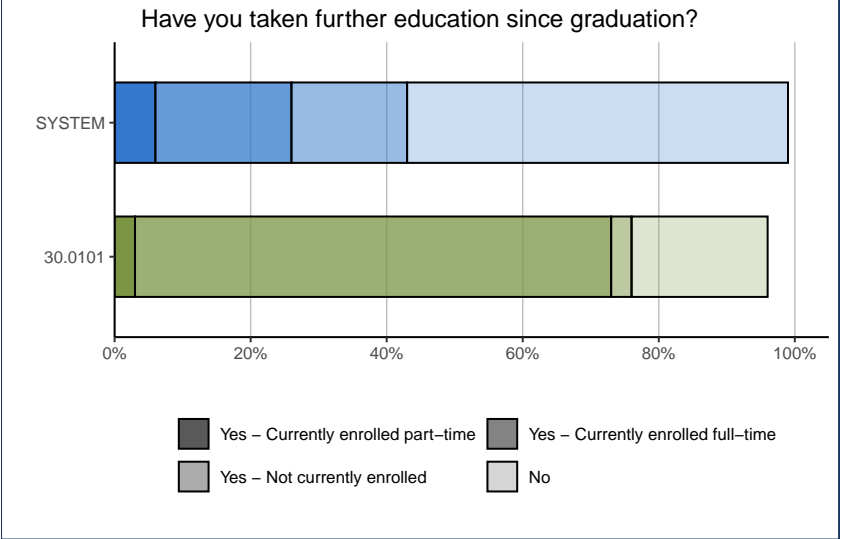
Type of Formal Post–Secondary Education:	30.0101		SYSTEM	
Master's Degree	4	18%	979	37%
Doctoral Degree	4	18%	155	6%
Another Undergraduate Degree	13	59%	543	20%
Certificate or Diploma below Bachelor Level	1	5%	374	14%
Professional Association Certification	0	0%	274	10%
Postgraduate Certificate or Diploma	0	0%	238	9%
Other	0	0%	119	4%
Total	22	100%	2,682	100%

Further Education/Training Type

☑ BC Student
☐ Outcomes

Detailed Summary of Survey Results
All Institutions
30.0101: Biological and physical sciences
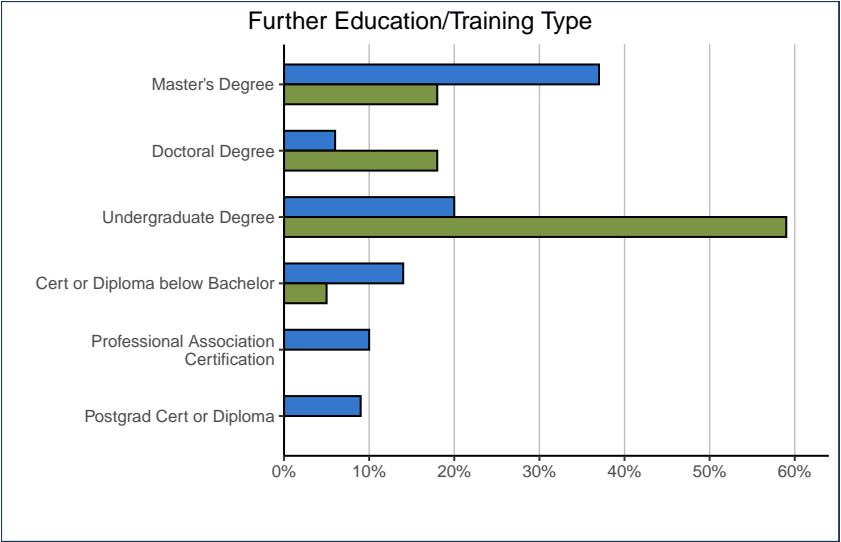
SYSTEM
30.0101

EMPLOYMENT

Labour Fource Status:	30.0101		SYSTEM	
In Labour Force (working or seeking work)	18	64%	5,472	90%
Not in Labour Force	10	36%	613	10%
Total	28	100%	6,085	100%

Employment:	30.0101		SYSTEM	
Employment Rate*	12	39%	4,982	80%
Unemployment Rate**	6	33.3%	490	9.0%

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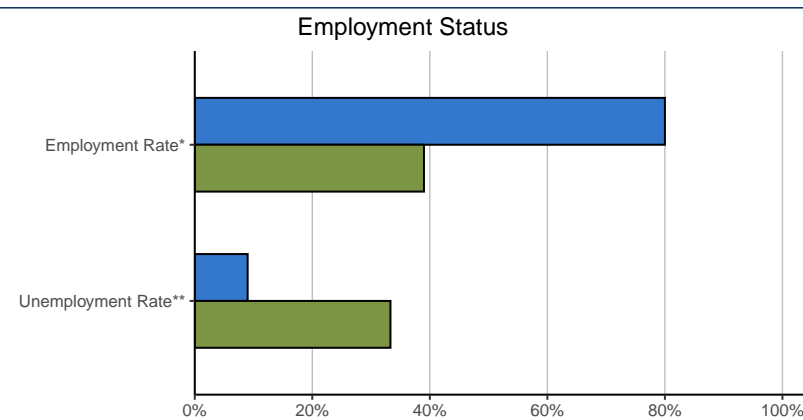
Employment Status

Status of Graduates NOT in Labour Force:	30.0101		SYSTEM	
Attending School FT	10	100%	446	73%
Attending School PT	0	0%	19	3%
Other	0	0%	148	24%
Total NOT in Labour Force	10	100%	613	100%

Primary Employment Type:	30.0101		SYSTEM	
Paid Worker	10	83%	4,678	94%
Self–Employed	2	17%	296	6%
Total	12	100%	4,974	100%

Job Characteristics:	30.0101		SYSTEM	
I hold more than one job*	3	25%	941	19%
My main job is full–time (>= 30 hours per week)**	10	83%	4,109	87%

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

"Under–Employment" Assessment
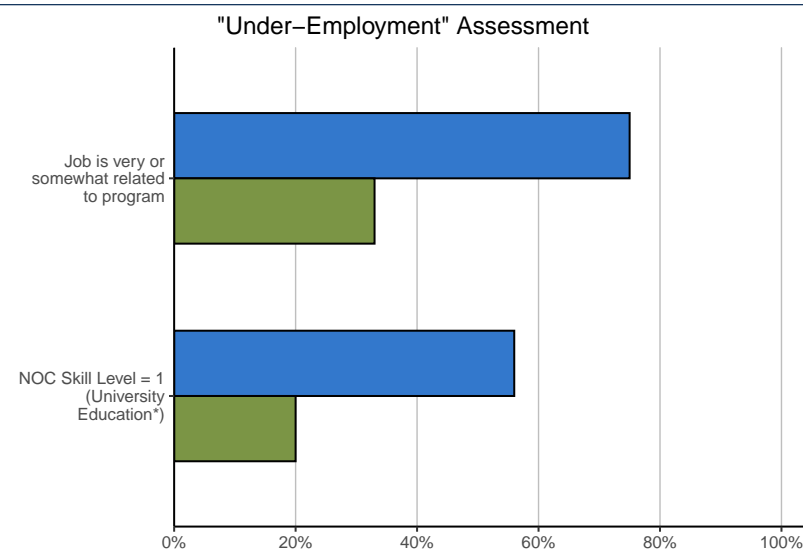
How related is your main job to your program?	30.0101		SYSTEM	
Very Related	0	0%	2,190	44%
Somewhat Related	4	33%	1,532	31%
Not Very Related	4	33%	579	12%
Not at All Related	4	33%	668	13%
Total	12	100%	4,969	100%

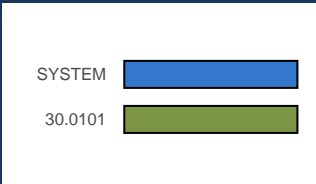| "Under–Employment" Assessment:	30.0101		SYSTEM	
Job is very or somewhat related to program	4	33%	3,722	75%
NOC Skill Level = 1 (University Education)*	2	20%	2,648	56%

*Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	30.0101		SYSTEM	
Less than $20,000	~	~	208	6%
$20,000 to $39,999	~	~	406	11%
$40,000 to $59,999	~	~	818	22%
$60,000 to $79,999	~	~	1,081	29%
$80,000 to $99,999	0	0%	627	17%
$100,000 and Above	~	~	623	17%
Total	7	100%	3,763	100%
Median Annual Income (full–time) ($)	73,000		71,127	
Average Annual Income (full–time) ($)	74,574		78,771	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
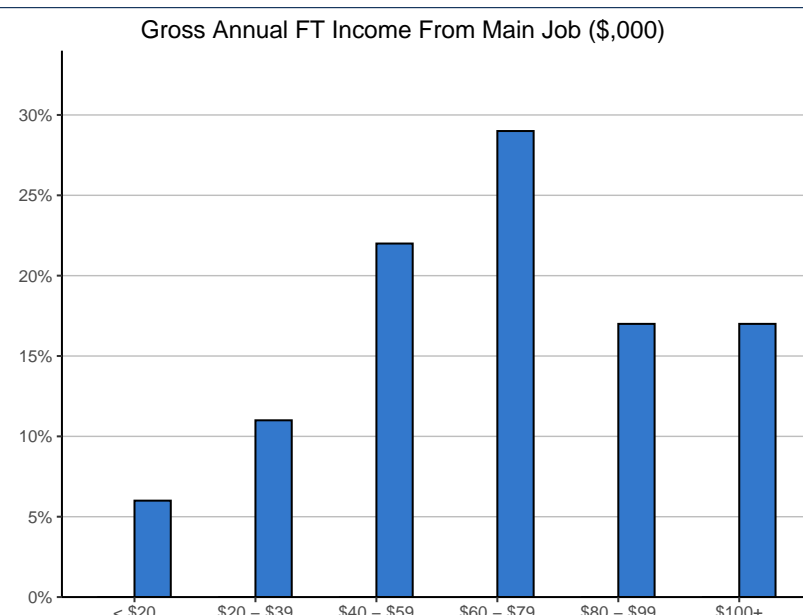
NOC Skill Type of Main Job (NOC 2021):	30.0101		SYSTEM	
Legislative and senior management	1	10%	59	1%
Business, finance & administration	2	20%	982	21%
Natural & applied sciences & related	1	10%	966	21%
Health	2	20%	527	11%
Education, law and social, community & government	2	20%	1,323	28%
Art, culture, recreation & sport	0	0%	239	5%
Sales & service	1	10%	435	9%
Trades, transport & equipment operators & related	1	10%	119	3%
Natural resources, agriculture & related production	0	0%	34	1%
Manufacturing & utilities	0	0%	19	0%
Total	10	100%	4,703	100%

Employed Graduates by NOC Skill Type

BC Student Outcomes

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All Institutions
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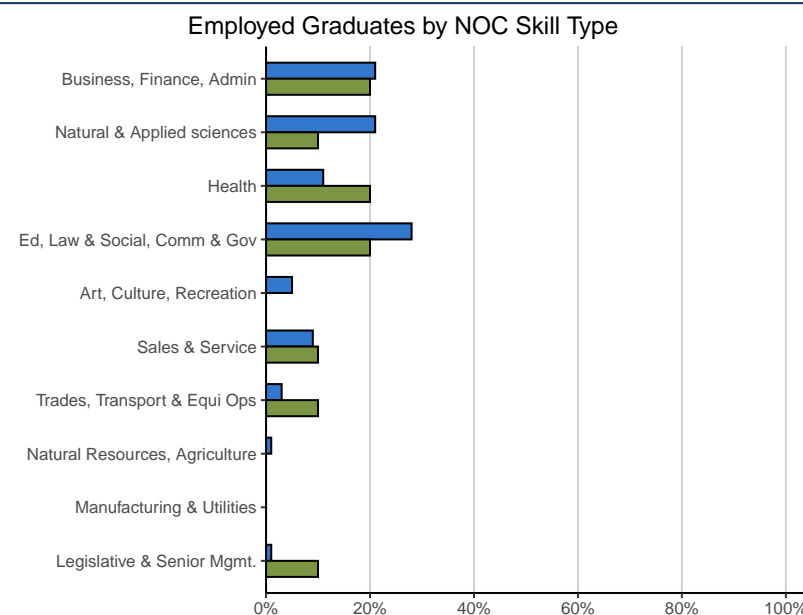
SYSTEM
30.0101

EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	30.0101		SYSTEM	
0. Management	3	30%	382	8%
1. University education	2	20%	2,648	56%
2. College education/trade apprenticeship (2+ years)	4	40%	748	16%
3. College education/trade apprenticeship (<2 years)	1	10%	476	10%
4. Secondary school + job–specific training	0	0%	322	7%
5. No formal education	0	0%	127	3%
Total	10	100%	4,703	100%
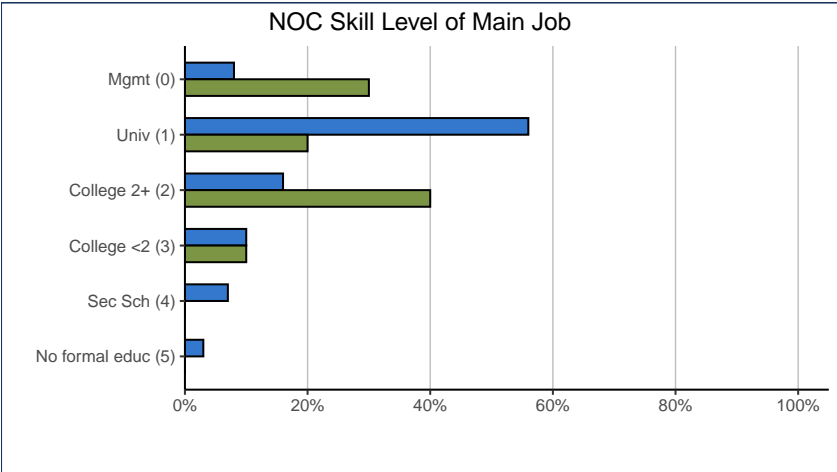
NOC Skill Level of Main Job

How useful are the following skills and abilities in doing your main job?	30.0101				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	67%	33%	0%	0%	12
Oral Communication	75%	17%	8%	0%	12
Reading and Comprehension	58%	42%	0%	0%	12
Group Collaboration	67%	33%	0%	0%	12
Critical Anlysis	67%	33%	0%	0%	12
Problem Resolution	58%	42%	0%	0%	12
Use of Mathematics	36%	45%	9%	9%	11
Conducting Research	45%	45%	0%	9%	11
Learning on Your Own	58%	42%	0%	0%	12
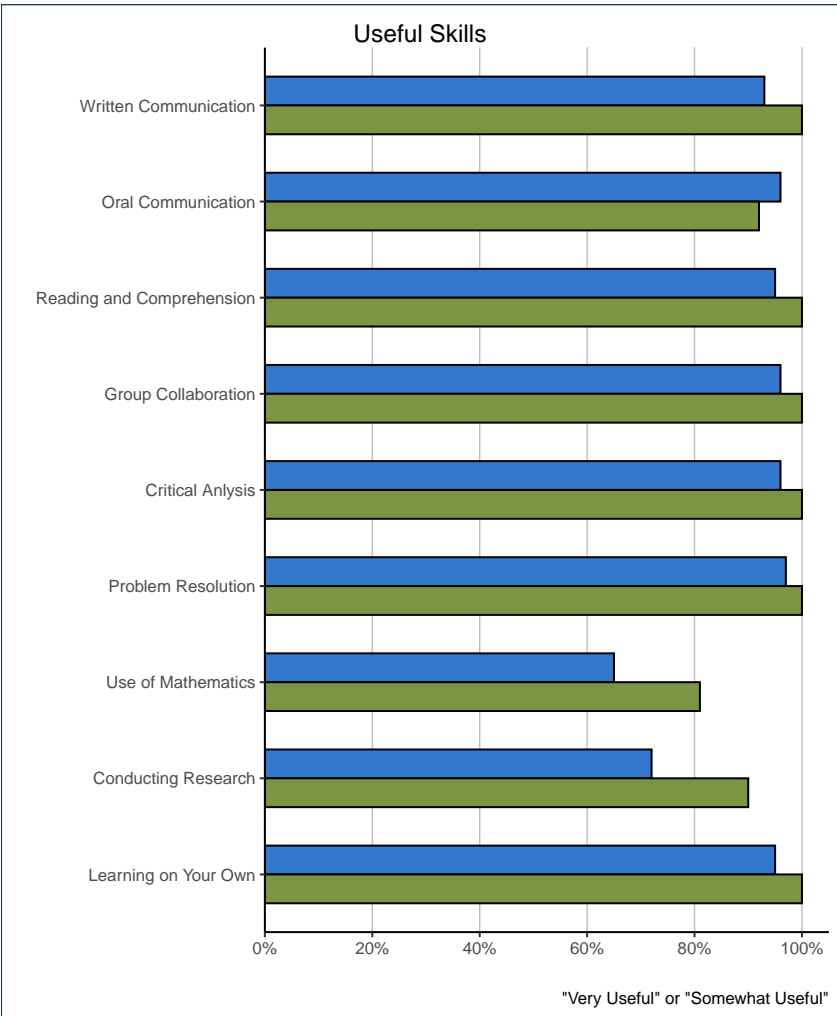
How useful are the following skills and abilities in doing your main job?	SYSTEM				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	71%	22%	5%	2%	4,946
Oral Communication	77%	19%	3%	1%	4,956
Reading and Comprehension	73%	22%	3%	1%	4,946
Group Collaboration	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 30.0101 Graduates*:				30.0101
NOC_2021	NOC Skill Level	Description		% Employed FT in this Occ.**
*				
*				
*				
*				
*				
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*				
*				

* 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
30.0101: Biological and physical sciences

SYSTEM	▬
30.0101	▬

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	30.0101		SYSTEM	
Personal savings, investments	10	33%	1,927	32%
Employment while studying	12	40%	3,012	50%
Family/Friends	21	70%	3,627	60%
Personal bank loans	1	3%	337	6%
Government student loans	10	33%	2,007	33%
Scholarships/Bursaries/Grants	7	23%	1,988	33%
Other	4	13%	1,362	22%
Total	30		6,073	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	30.0101		SYSTEM	
Incurred any form of financial debt	11	35%	2,595	43%
Incurred government–sponsored student loan debt	10	32%	2,232	36%

* Percentage of respondents who provided data

Financial Debt Amount:*	30.0101		SYSTEM	
< $1,000	0	0%	4	0%
$1,000 to $4,999	0	0%	69	3%
$5,000 to $9,999	1	11%	165	8%
$10,000 to $14,999	0	0%	199	10%
$15,000 to $19,999	1	11%	162	8%
$20,000 to $29,999	2	22%	394	19%
$30,000 to $39,999	1	11%	353	17%
$40,000 or More	4	44%	740	35%
Total	9	100%	2,086	100%
Median Financial Debt ($)	30,000		30,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	30.0101		SYSTEM	
< $1,000	0	0%	5	0%
$1,000 to $4,999	0	0%	48	3%
$5,000 to $9,999	1	13%	121	8%
$10,000 to $14,999	0	0%	155	10%
$15,000 to $19,999	1	13%	133	9%
$20,000 to $29,999	2	25%	299	19%
$30,000 to $39,999	0	0%	296	19%
$40,000 or More	4	50%	500	32%
Total	8	100%	1,557	100%
Median Gov't–Sponsored Loan Debt ($)	33,000		30,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	30.0101		SYSTEM	
None – Loan repaid in full	2	29%	361	20%
< $1,000	0	0%	3	0%
$1,000 to $4,999	0	0%	75	4%
$5,000 to $9,999	0	0%	137	8%
$10,000 to $14,999	0	0%	151	9%
$15,000 to $19,999	0	0%	174	10%
$20,000 to $29,999	1	14%	291	16%
$30,000 to $39,999	0	0%	279	16%
$40,000 or More	4	57%	303	17%
Total	7	100%	1,774	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	45,000		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)