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

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

BCStudent Outcomes
Shaping Post-Secondary Education

| SYSTEM | |
| 30.0101 | |

RESPONSE RATE

Survey Response Rate:	30.0101		SYSTEM	
Baccalaureate Graduates Survey Cohort	203	100%	24,752	100%
Survey Respondents and Response Rate	75	37%	9,423	38%

Response Rate
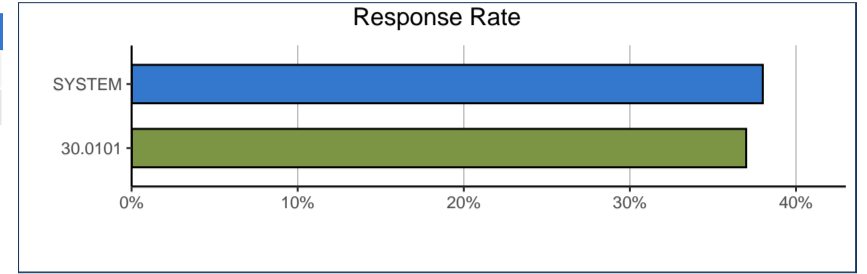
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	30.0101		SYSTEM	
Disabled	11	16%	1,082	12%
International	~	~	1,205	13%
Aboriginal	0	0%	357	4%

Self–Reporting Subgroups
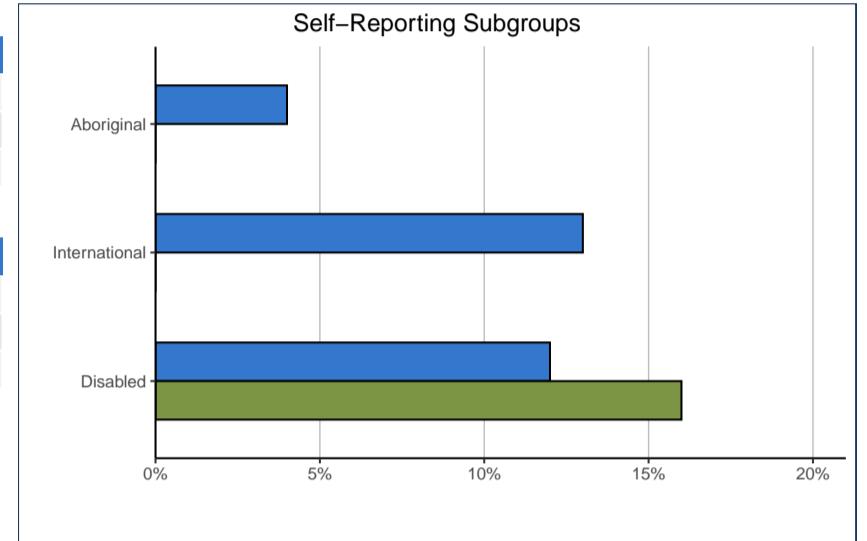
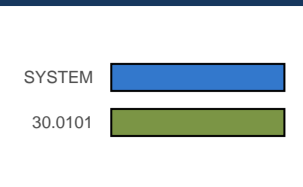| Gender:*	30.0101		SYSTEM	
Male	26	35%	3,744	40%
Female	49	65%	5,675	60%
Total	75	100%	9,419	100%

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

Age (at time of survey):	30.0101		SYSTEM	
< 25	~	~	1,496	16%
25 to 29	49	65%	5,860	62%
30 to 34	~	~	1,035	11%
35 to 39	0	0%	421	4%
40 to 49	0	0%	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	75	100%	9,417	100%
Median Age	25		26	
Average (mean) Age	25		28	

Age Distribution
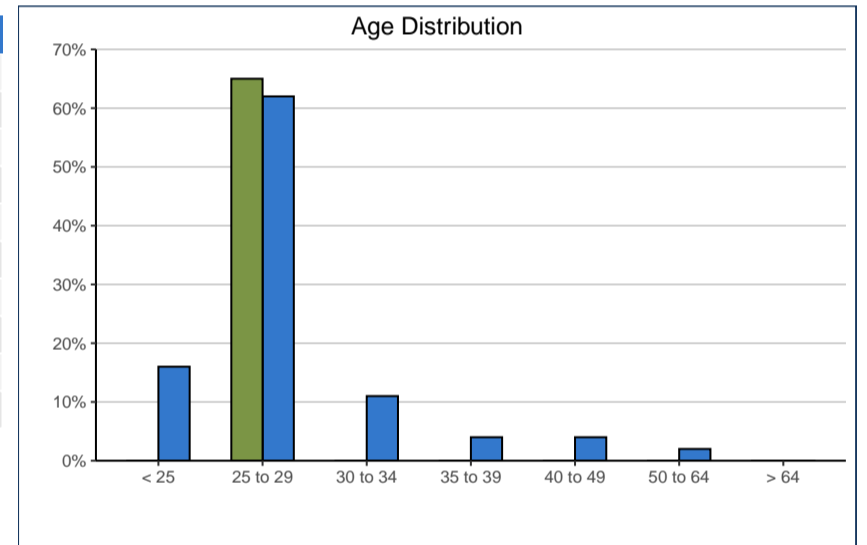
Place of Residence (at time of survey):	30.0101		SYSTEM	
BC – Mainland/Southwest	~	~	5,472	65%
BC – Vancouver Island/Coast	0	0%	1,112	13%
BC – Northern B.C.	0	0%	270	3%
BC – Interior/Kootenays	~	~	672	8%
BC Subtotal	66	90%	7,526	90%
Canada – Alberta	~	~	343	4%
Canada – Ontario	~	~	280	3%
Canada – Other	~	~	176	2%
U.S.A.	~	~	80	1%
Non–BC Subtotal	7	10%	879	10%
Total	73	100%	8,405	100%

Place of Residence

Within BC

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Shaping Post-Secondary Education
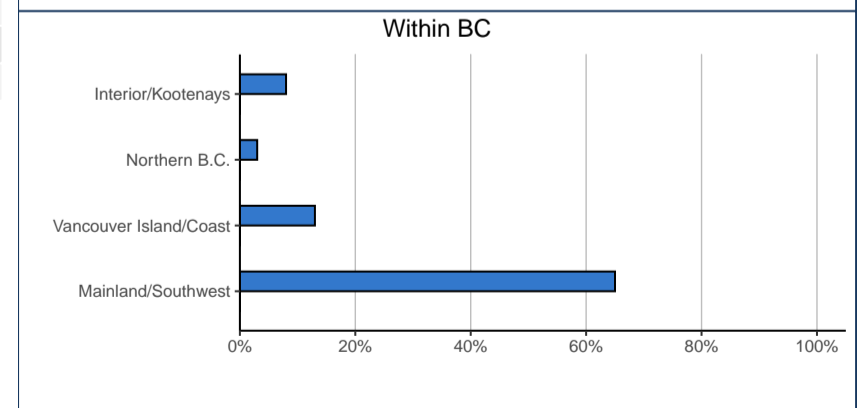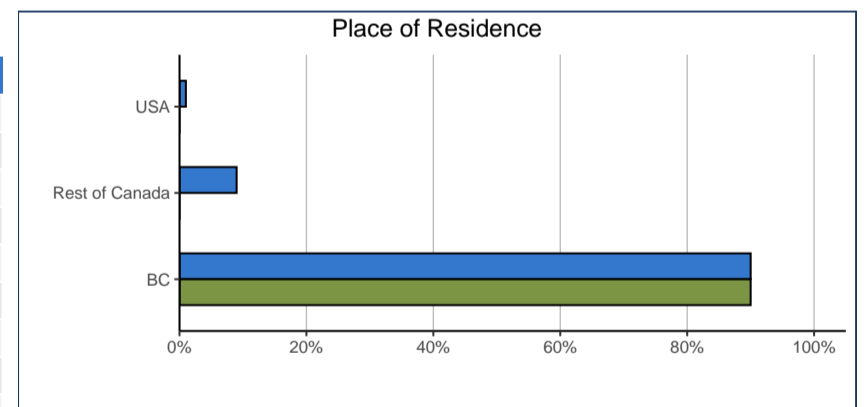
	SYSTEM
30.0101	

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	30.0101		SYSTEM	
Very Satisfied	15	21%	2,332	25%
Satisfied	54	74%	5,914	64%
Dissatisfied	3	4%	831	9%
Very Dissatisfied	1	1%	188	2%
Total	73	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	30.0101		SYSTEM	
Very Useful	7	15%	3,011	38%
Somewhat Useful	28	60%	3,664	47%
Not Very Useful	10	21%	886	11%
Not at All Useful	2	4%	283	4%
Total	47	100%	7,844	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	30.0101		SYSTEM	
Yes	1	1%	902	10%
No	74	99%	8,298	90%

Program Satisfaction

Legend: ■ Very Satisfied ■ Satisfied
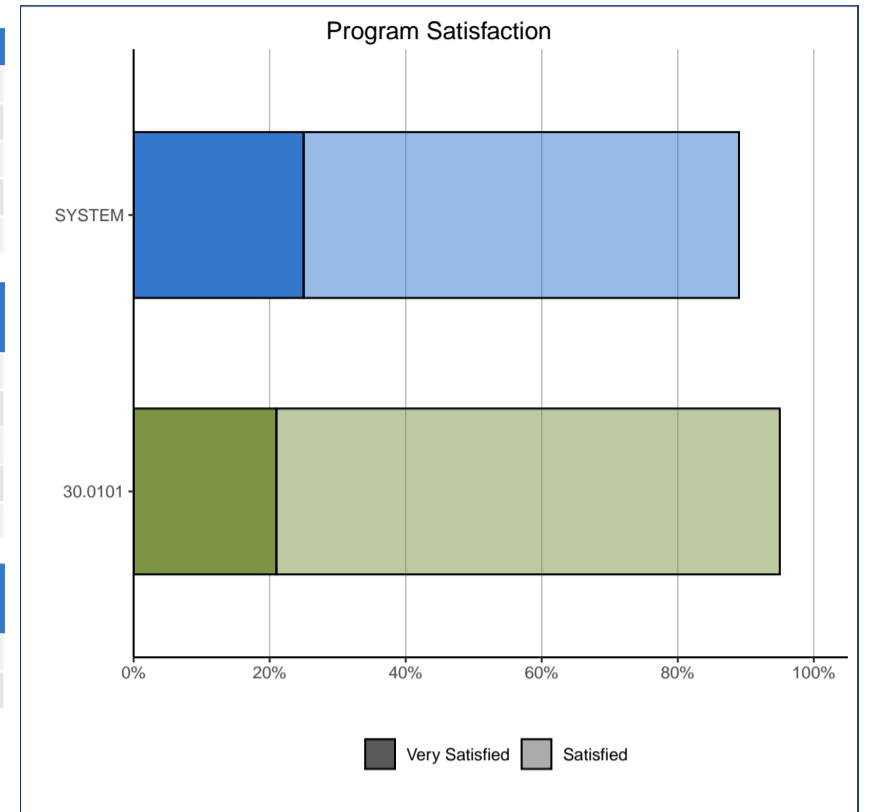
Would select the same program again:	30.0101		SYSTEM	
Yes	32	48%	5,963	72%
No	34	52%	2,334	28%

Quality of Instruction:	30.0101		SYSTEM	
Very Good	15	20%	2,498	27%
Good	52	69%	6,007	64%
Poor	7	9%	685	7%
Very Poor	1	1%	131	1%
Total	75	100%	9,321	100%
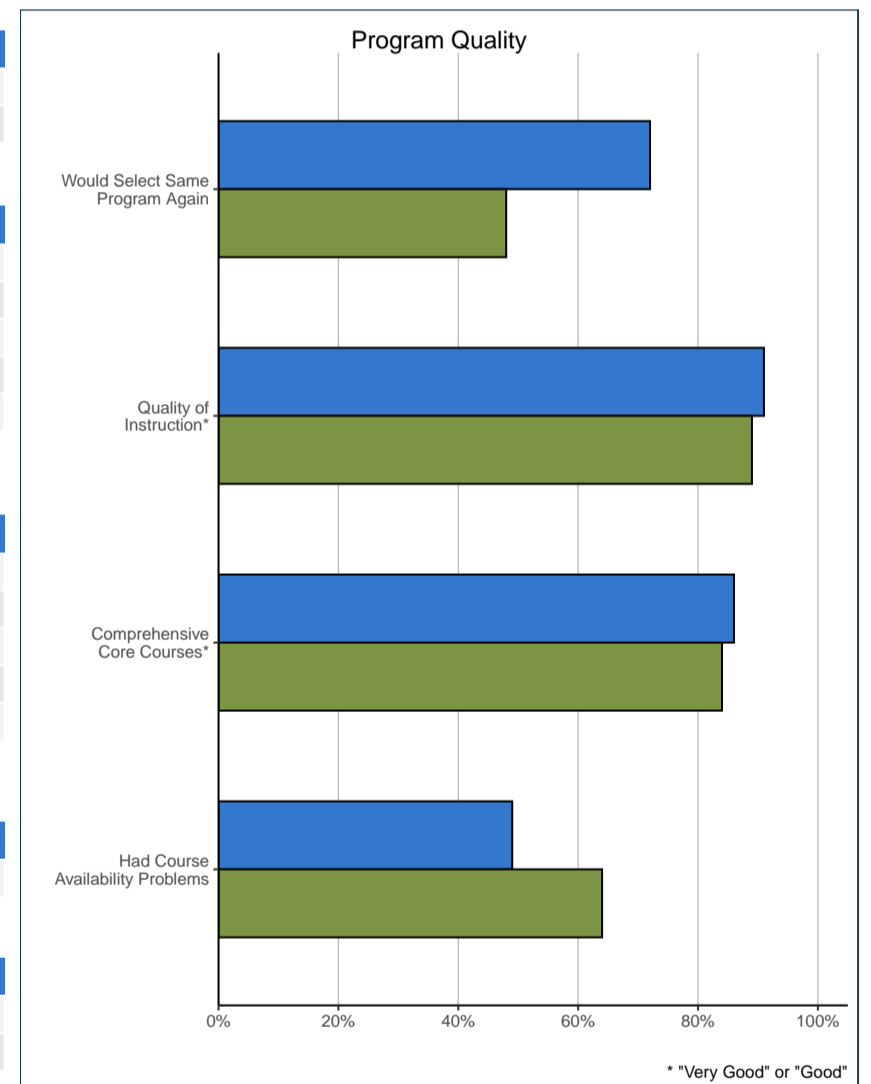
Comprehensiveness of Core Courses:	30.0101		SYSTEM	
Very Good	16	23%	2,303	25%
Good	43	61%	5,649	61%
Poor	10	14%	1,073	12%
Very Poor	1	1%	172	2%
Total	70	100%	9,197	100%

Course Availability:	30.0101		SYSTEM	
Encountered course availability problems	48	64%	4,485	49%

| Financial Constraints:	30.0101		SYSTEM	
Had to interrupt studies for financial reasons	4	5%	987	11%
Had to take program part–time for financial reasons	9	12%	1,629	18%

Program Quality

Categories: Would Select Same Program Again; Quality of Instruction*; Comprehensive Core Courses*; Had Course Availability Problems

* "Very Good" or "Good"

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Shaping Post-Secondary Education

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All Institutions
30.0101: Biological and physical sciences
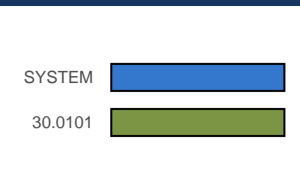
SYSTEM
30.0101

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	30.0101				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	22%	53%	23%	1%	73
Oral Communication	18%	53%	26%	3%	73
Reading and Comprehension	27%	61%	11%	1%	75
Group Collaboration	21%	57%	17%	4%	75
Critical Anlysis	42%	51%	5%	1%	74
Problem Resolution	19%	60%	18%	3%	72
Use of Mathematics	23%	49%	24%	4%	70
Conducting Research	27%	47%	25%	1%	73
Learning on Your Own	44%	44%	11%	1%	73

Skill Development: How helpful was institution?	SYSTEM				
	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

Helpful with Skill Development

"Very Helpful" or "Helpful"
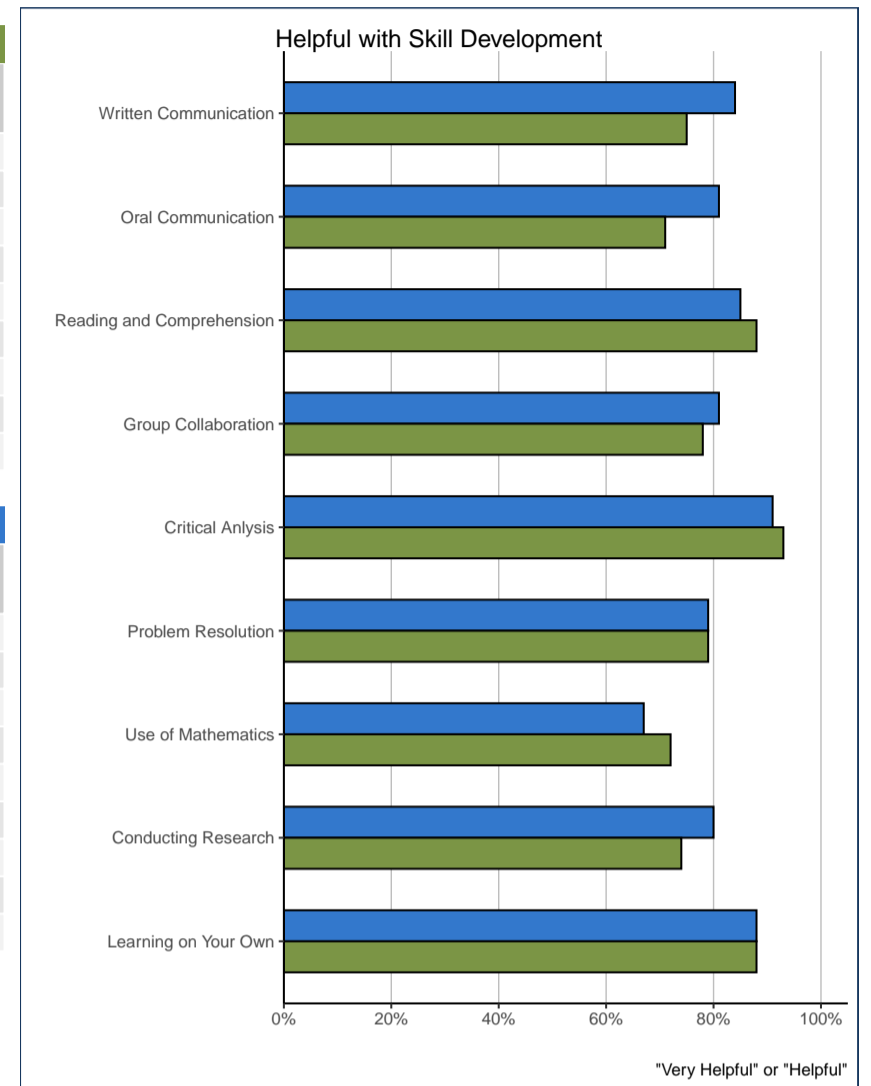
FURTHER EDUCATION

Took further education since 2020 graduation:	30.0101		SYSTEM	
Yes	56	75%	4,119	44%
Not currently enrolled	18	24%	1,831	20%
Currently enrolled full–time	36	48%	1,602	17%
Currently enrolled part–time	2	3%	637	7%
No	19	25%	5,244	56%
Total	75	100%	9,363	100%

Have you taken further education since graduation?

Yes – Currently enrolled part–time   Yes – Currently enrolled full–time
Yes – Not currently enrolled   No
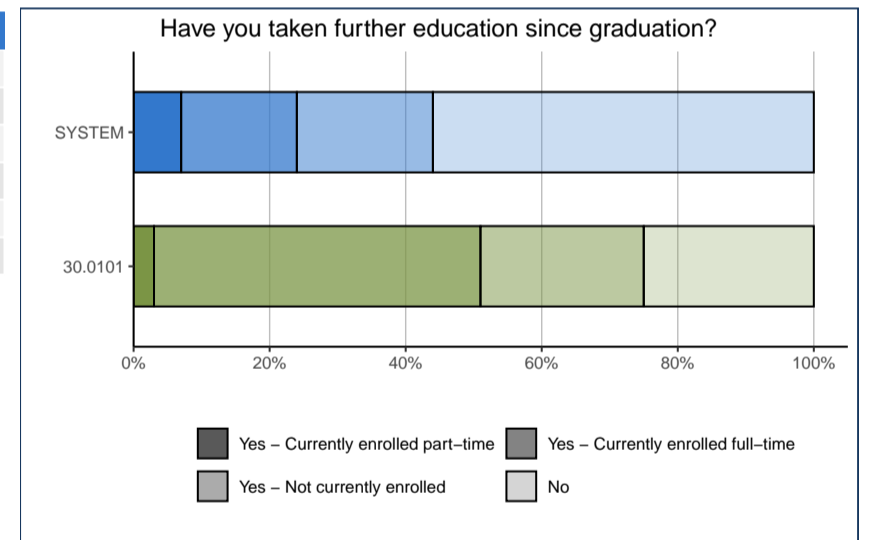
Type of Formal Post–Secondary Education:	30.0101		SYSTEM	
Masters Degree	18	32%	1,307	32%
Doctoral Degree	4	7%	167	4%
Another Undergraduate Degree	23	41%	789	19%
Certificate or Diploma below Bachelor level	4	7%	527	13%
Professional Association Certification	0	0%	603	15%
Postgraduate Certificate or Diploma	3	5%	431	11%
Other	4	7%	236	6%
Total	56	100%	4,060	100%

Further Education/Training Type

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All Institutions
30.0101: Biological and physical sciences
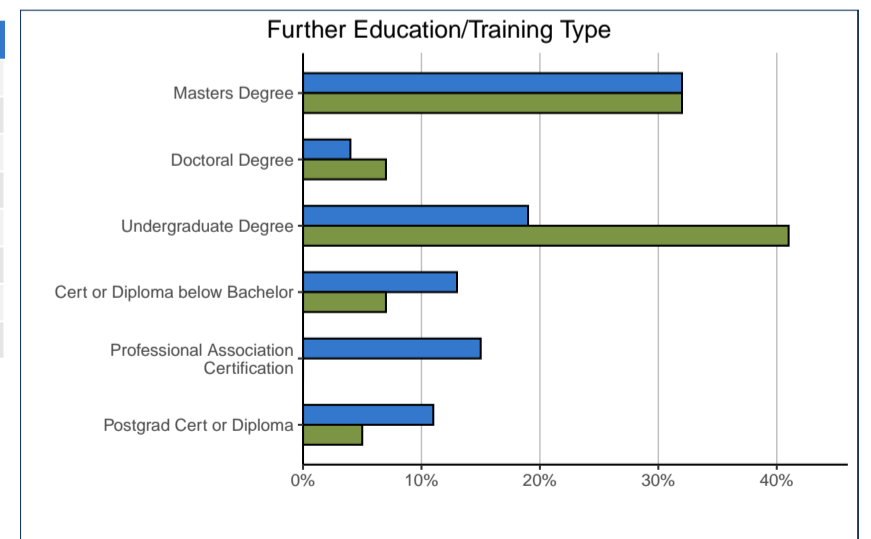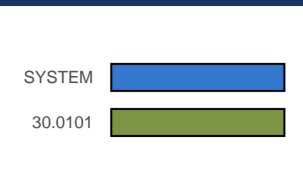
SYSTEM
30.0101

EMPLOYMENT

Labour Fource Status:	30.0101		SYSTEM	
In Labour Force (working or seeking work)	54	75%	8,412	91%
Not in Labour Force	18	25%	857	9%
Total	72	100%	9,269	100%

Employment:	30.0101		SYSTEM	
Employment Rate*	47	63%	7,900	84%
Unemployment Rate**	7	13.0%	512	6.1%

*Percent = Total employed divided by total number of respondents
**Percent = Total unemployed divided by total number in Labour Force
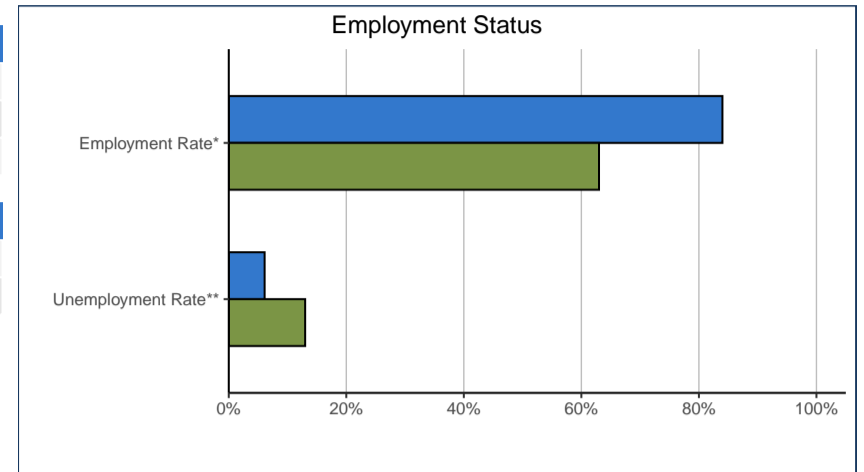
Employment Status

Status of Graduates NOT in Labour Force:	30.0101		SYSTEM	
Attending School FT	16	89%	597	70%
Attending School PT	1	6%	23	3%
Other	1	6%	237	28%
Total NOT in Labour Force	18	100%	857	100%

Primary Employment Type:	30.0101		SYSTEM	
Paid worker	45	96%	7,394	94%
Self–employed	2	4%	493	6%
Total	47	100%	7,887	100%

Job Characteristics:	30.0101		SYSTEM	
I hold more than one job*	17	36%	1,463	19%
My main job is full–time (>= 30 hours per week)**	35	80%	6,655	89%

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

"Under–Employment" Assessment
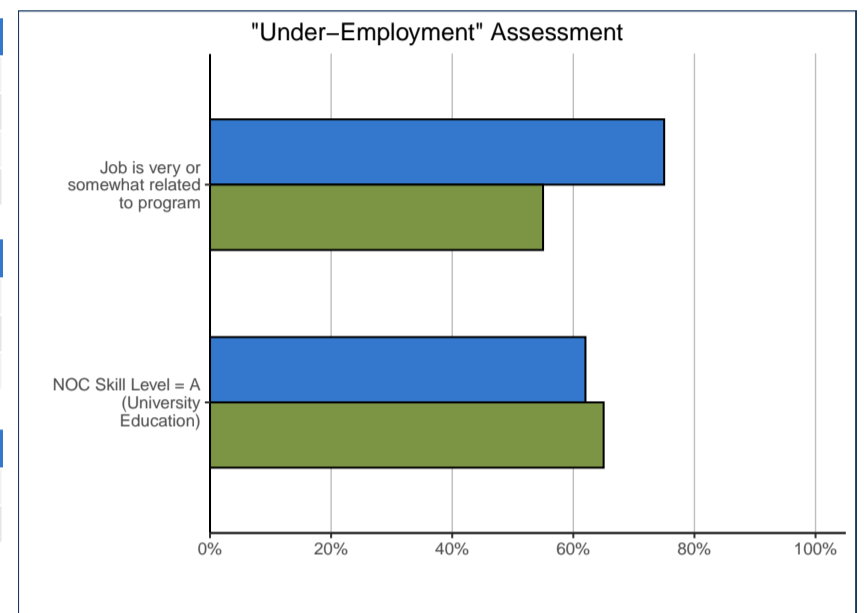
How related is your main job to your program?	30.0101		SYSTEM	
Very Related	7	15%	3,386	43%
Somewhat Related	19	40%	2,530	32%
Not Very Related	11	23%	1,013	13%
Not at All Related	10	21%	954	12%
Total	47	100%	7,883	100%

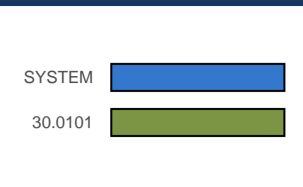| "Under–employment" Assessment:	30.0101		SYSTEM	
Job is very or somewhat related to program	26	55%	5,916	75%
NOC Skill Level = A (University Education)*	28	65%	4,631	62%

*Of total valid responses

Gross Annual Income from Main Job:*	30.0101		SYSTEM	
Less than $20,000	~	~	328	6%
$20,000 to $39,999	6	17%	725	12%
$40,000 to $59,999	10	29%	1,773	30%
$60,000 to $79,999	10	29%	1,673	28%
$80,000 to $99,999	~	~	799	13%
$100,000 and Above	~	~	659	11%
Total	35	100%	5,957	100%
Median Annual Income (full–time) ($)	61,703		63,000	
Average Annual Income (full–time) ($)	63,261		70,455	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
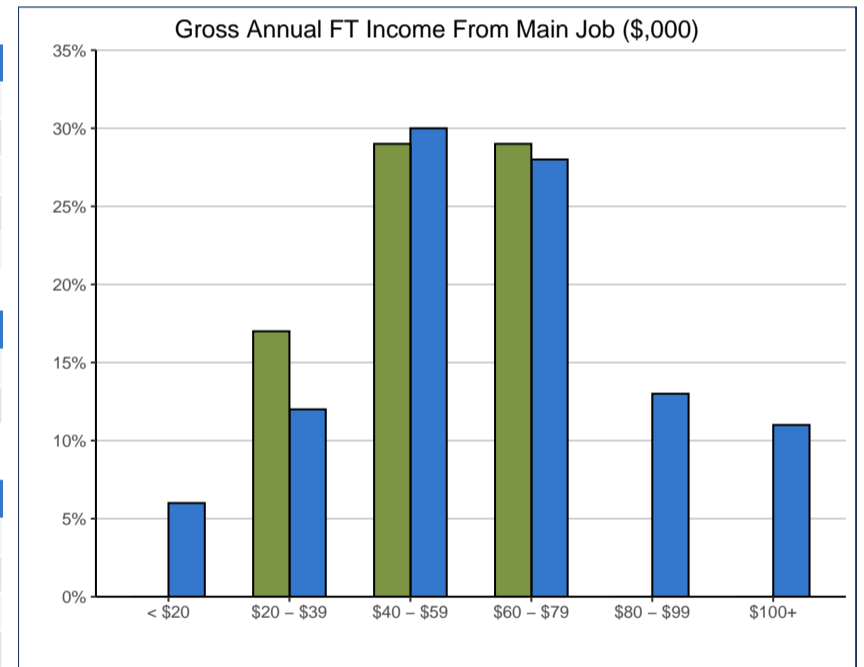
NOC Skill Type of Main Job:	30.0101		SYSTEM	
Business, finance & administration	12	28%	1,844	25%
Natural & applied sciences & related	7	16%	1,422	19%
Health	5	12%	933	13%
Education, law and social, community & government	15	35%	1,946	26%
Art, culture, recreation & sport	1	2%	438	6%
Sales & service	3	7%	658	9%
Trades, transport & equipment operators & related	0	0%	104	1%
Natural resources, agriculture & related production	0	0%	42	1%
Manufacturing & utilities	0	0%	39	1%
Total	43	100%	7,426	100%

Employed Graduates by NOC Skill Type

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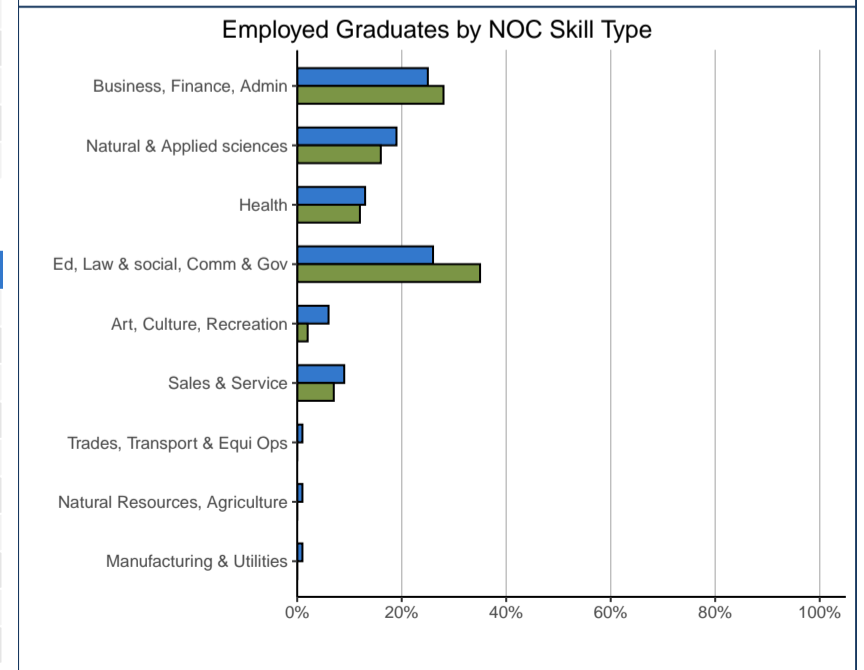
SYSTEM
30.0101

EMPLOYMENT, continued

NOC Skill Level of Main Job:	30.0101		SYSTEM	
A. University education	28	65%	4,631	62%
B. College education/trade apprenticeship	11	26%	2,082	28%
C. Secondary school + job–specific training	3	7%	647	9%
D. No formal education	1	2%	86	1%
Total	43	100%	7,446	100%

NOC Skill Level of Main Job
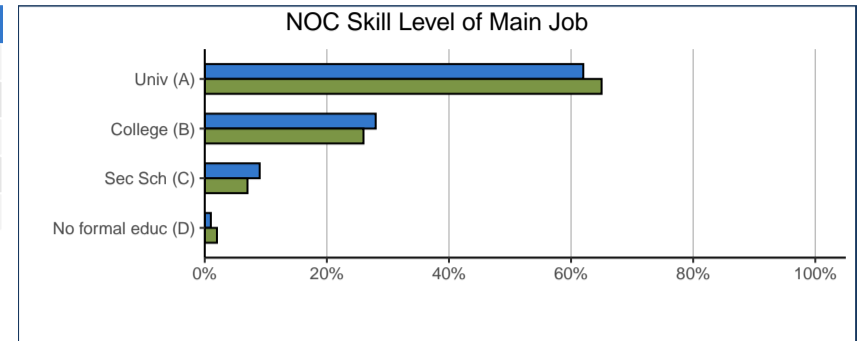
How useful are the following skills and abilities in doing your main job?	30.0101				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	64%	28%	6%	2%	47
Oral Communication	70%	21%	4%	4%	47
Reading and Comprehension	53%	38%	6%	2%	47
Group Collaboration	68%	28%	4%	0%	47
Critical Anlysis	62%	30%	6%	2%	47
Problem Resolution	62%	28%	9%	2%	47
Use of Mathematics	22%	39%	24%	15%	46
Conducting Research	26%	37%	22%	15%	46
Learning on Your Own	43%	51%	2%	4%	47
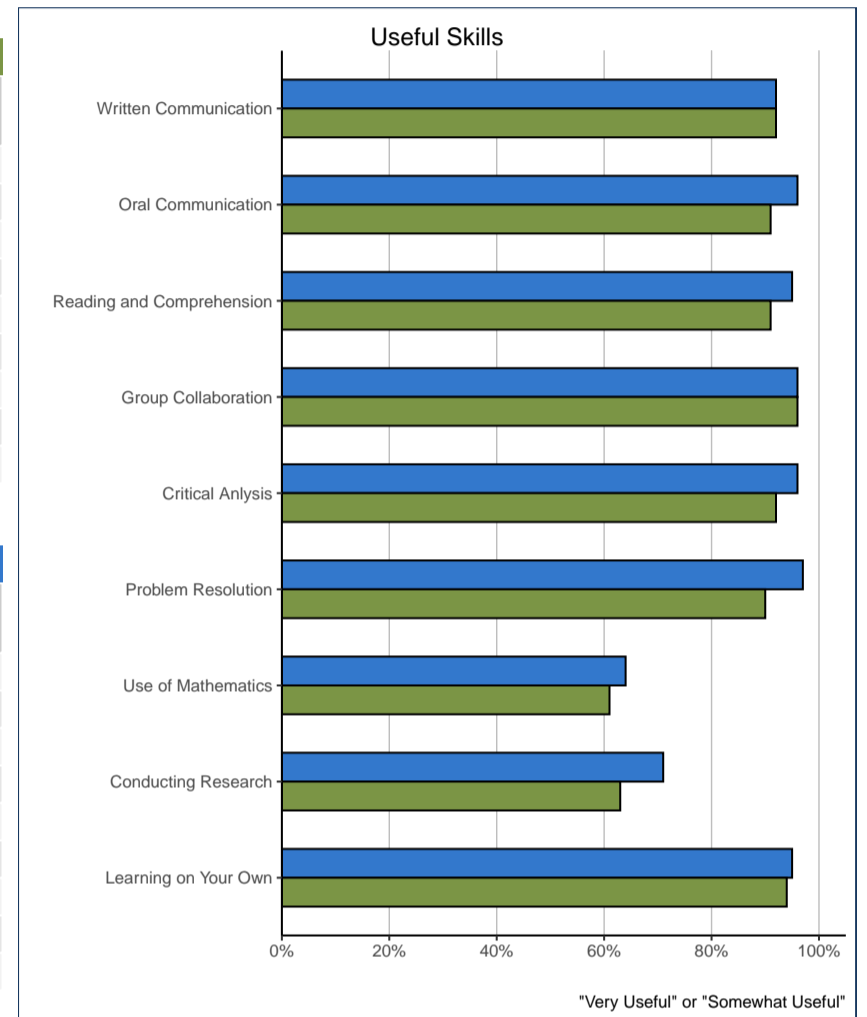
How useful are the following skills and abilities in doing your main job?	SYSTEM				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	67%	25%	5%	3%	7,839
Oral Communication	75%	21%	3%	1%	7,837
Reading and Comprehension	70%	25%	4%	1%	7,836
Group Collaboration	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

Useful Skills

"Very Useful" or "Somewhat Useful"

NOC	NOC Skill Level	Description	30.0101 % Employed FT in this Occ.**
Top 10 Full–time Occupations of 30.0101 Graduates:			
4012	A	Post–secondary teaching and research assistants	13%
*			
*			
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* Data not displayed where n < 5
** Percentages cited are of those employed

NOC	NOC Skill Level	Description	SYSTEM % Employed FT in this Occ.**
Top 10 Full–time Occupations of SYSTEM Graduates:			
3012	A	Registered nurses and registered psychiatric nurses	6%
1111	A	Financial auditors and accountants	4%
XXXX	O	Unclassified occupations	3%
2173	A	Software engineers and designers	3%
4032	A	Elementary school and kindergarten teachers	3%
1123	A	Professional occupations in advertising, marketing and public relations	3%
4212	B	Social and community service workers	3%
2174	A	Computer programmers and interactive media developers	2%
4031	A	Secondary school teachers	2%
1221	B	Administrative officers	2%

* Data not displayed where n < 5
** Percentages cited are of those employed

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| SYSTEM | |
| 30.0101 | |

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	30.0101		SYSTEM	
Personal savings, investments	25	36%	2,849	31%
Employment while studying	29	41%	4,716	51%
Family/Friends	54	77%	5,423	59%
Personal bank loans	5	7%	600	7%
Government student loans	25	36%	3,008	33%
Scholarships/Bursaries/Grants	20	29%	2,803	31%
Other	10	14%	1,997	22%
Total	70		9,180	

* 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	30	42%	4,031	44%
Incurred government–sponsored student loan debt	28	38%	3,331	36%

* Percentage of respondents who provided data

Financial Debt Amount:*	30.0101		SYSTEM	
< $1,000	0	0%	3	0%
$1,000 to $4,999	1	5%	106	3%
$5,000 to $9,999	1	5%	240	7%
$10,000 to $14,999	1	5%	332	10%
$15,000 to $19,999	0	0%	258	8%
$20,000 to $29,999	6	30%	644	20%
$30,000 to $39,999	4	20%	568	17%
$40,000 or More	7	35%	1,121	34%
Total	20	100%	3,272	100%
Median Financial Debt ($)	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%	4	0%
$1,000 to $4,999	0	0%	78	3%
$5,000 to $9,999	0	0%	176	7%
$10,000 to $14,999	1	6%	239	10%
$15,000 to $19,999	0	0%	236	10%
$20,000 to $29,999	7	41%	514	21%
$30,000 to $39,999	3	18%	462	19%
$40,000 or More	6	35%	724	30%
Total	17	100%	2,433	100%
Median Gov't–Sponsored Loan Debt ($)	30,000		28,000	

* 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	6	33%	754	27%
< $1,000	0	0%	7	0%
$1,000 to $4,999	0	0%	120	4%
$5,000 to $9,999	0	0%	202	7%
$10,000 to $14,999	0	0%	216	8%
$15,000 to $19,999	1	6%	221	8%
$20,000 to $29,999	3	17%	432	16%
$30,000 to $39,999	4	22%	338	12%
$40,000 or More	4	22%	459	17%
Total	18	100%	2,749	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	32,000		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)