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

Detailed Summary of Survey Results
All Institutions
27.0101: Mathematics, general

BCStudent Outcomes
Shaping Post-Secondary Education

SYSTEM	▬ (blue)
27.0101	▬ (green)

RESPONSE RATE

Survey Response Rate:	27.0101		SYSTEM	
Baccalaureate Graduates Survey Cohort	201	100%	24,752	100%
Survey Respondents and Response Rate	68	34%	9,423	38%

Response Rate
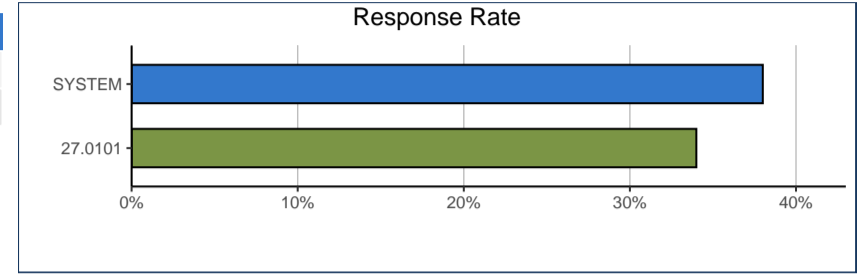
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	27.0101		SYSTEM	
Disabled	8	13%	1,082	12%
International	21	31%	1,205	13%
Aboriginal	~	~	357	4%

Self–Reporting Subgroups

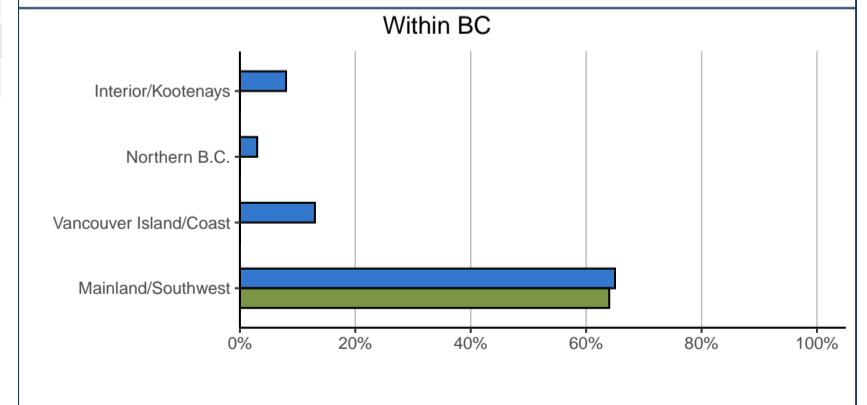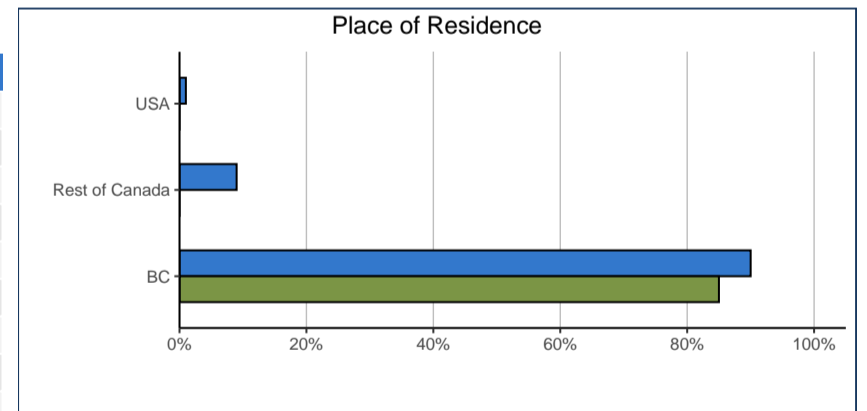| Gender:*	27.0101		SYSTEM	
Male	46	68%	3,744	40%
Female	22	32%	5,675	60%
Total	68	100%	9,419	100%

*Due to zero or low counts, institution–reported "Non–binary" demographic data are not included.
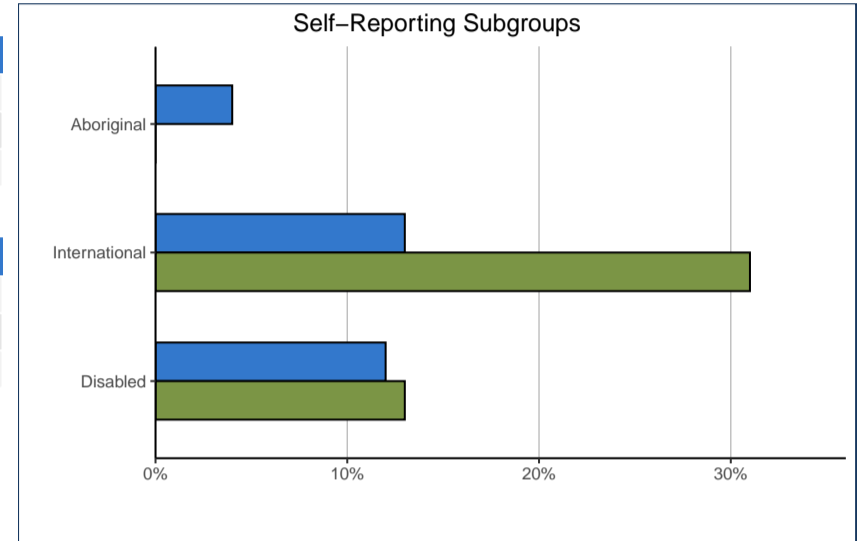
Age (at time of survey):	27.0101		SYSTEM	
< 25	14	21%	1,496	16%
25 to 29	45	66%	5,860	62%
30 to 34	~	~	1,035	11%
35 to 39	~	~	421	4%
40 to 49	~	~	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	68	100%	9,417	100%
Median Age	26		26	
Average (mean) Age	27		28	

Age Distribution
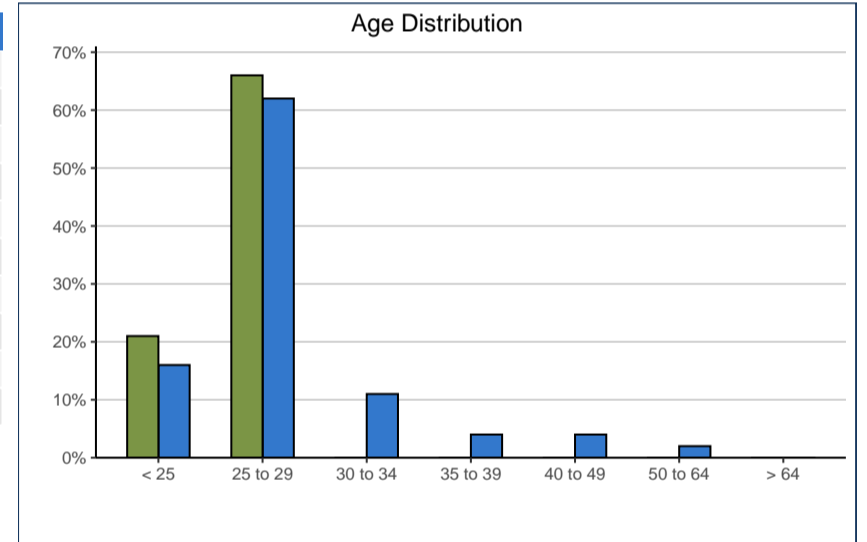
Place of Residence (at time of survey):	27.0101		SYSTEM	
BC – Mainland/Southwest	39	64%	5,472	65%
BC – Vancouver Island/Coast	~	~	1,112	13%
BC – Northern B.C.	~	~	270	3%
BC – Interior/Kootenays	~	~	672	8%
BC Subtotal	52	85%	7,526	90%
Canada – Alberta	~	~	343	4%
Canada – Ontario	~	~	280	3%
Canada – Other	~	~	176	2%
U.S.A.	0	0%	80	1%
Non–BC Subtotal	9	15%	879	10%
Total	61	100%	8,405	100%

Place of Residence

Within BC
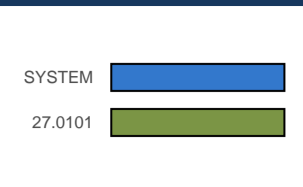
	SYSTEM
27.0101	

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	27.0101		SYSTEM	
Very Satisfied	15	22%	2,332	25%
Satisfied	40	60%	5,914	64%
Dissatisfied	12	18%	831	9%
Very Dissatisfied	0	0%	188	2%
Total	67	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	27.0101		SYSTEM	
Very Useful	11	26%	3,011	38%
Somewhat Useful	22	52%	3,664	47%
Not Very Useful	8	19%	886	11%
Not at All Useful	1	2%	283	4%
Total	42	100%	7,844	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	27.0101		SYSTEM	
Yes	7	10%	902	10%
No	60	90%	8,298	90%
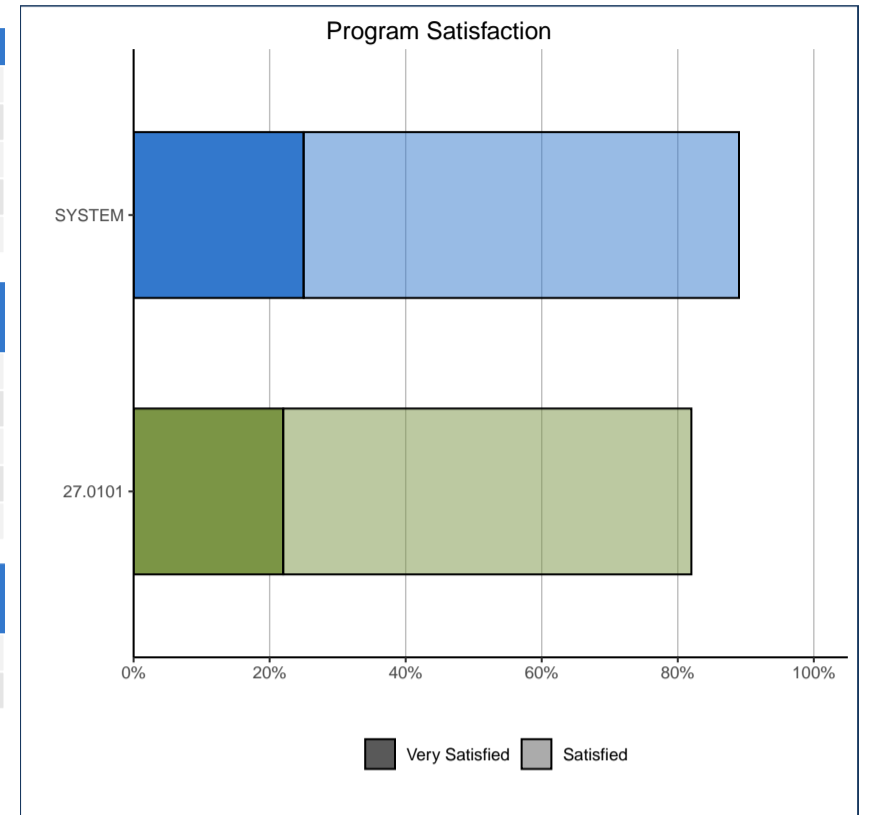
Would select the same program again:	27.0101		SYSTEM	
Yes	37	62%	5,963	72%
No	23	38%	2,334	28%

Quality of Instruction:	27.0101		SYSTEM	
Very Good	20	29%	2,498	27%
Good	41	60%	6,007	64%
Poor	7	10%	685	7%
Very Poor	0	0%	131	1%
Total	68	100%	9,321	100%
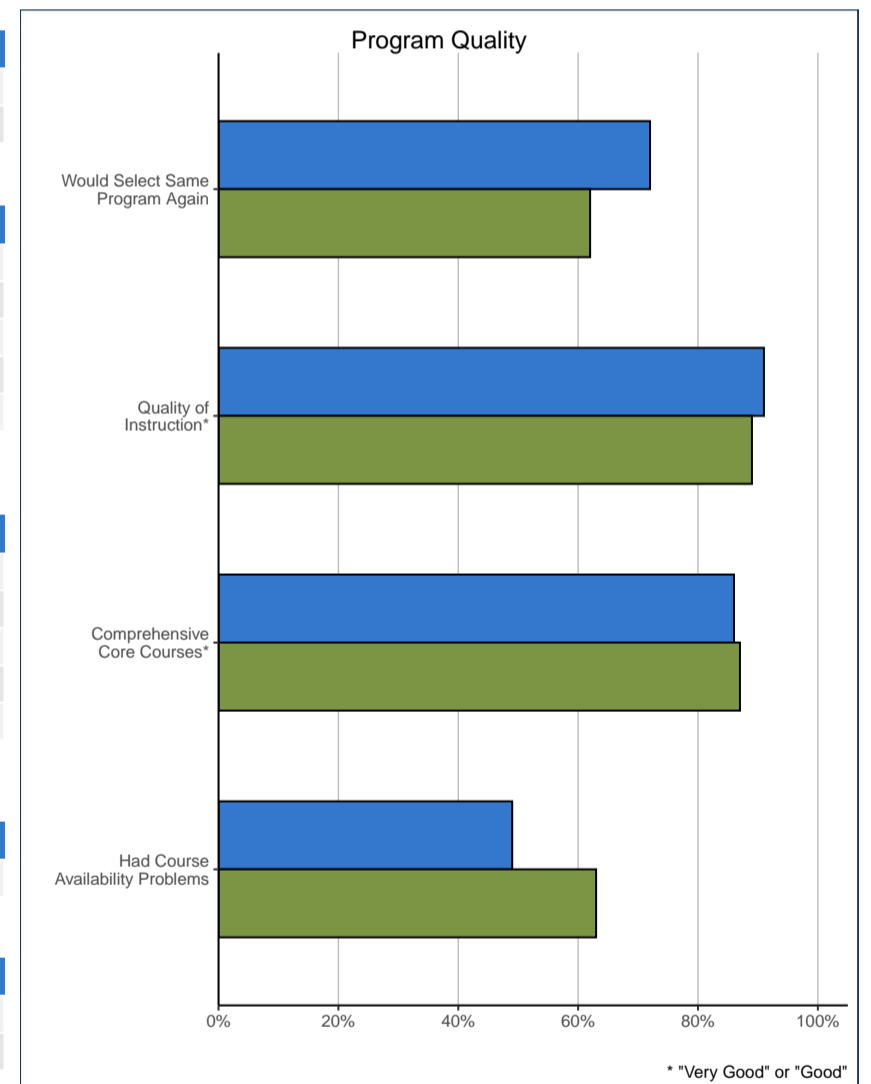
Comprehensiveness of Core Courses:	27.0101		SYSTEM	
Very Good	16	25%	2,303	25%
Good	40	62%	5,649	61%
Poor	8	12%	1,073	12%
Very Poor	1	2%	172	2%
Total	65	100%	9,197	100%

Course Availability:	27.0101		SYSTEM	
Encountered course availability problems	43	63%	4,485	49%

Financial Constraints:	27.0101		SYSTEM	
Had to interrupt studies for financial reasons	10	15%	987	11%
Had to take program part–time for financial reasons	12	18%	1,629	18%

Program Satisfaction chart (Very Satisfied / Satisfied) for SYSTEM and 27.0101

Program Quality chart: Would Select Same Program Again, Quality of Instruction*, Comprehensive Core Courses*, Had Course Availability Problems. * "Very Good" or "Good"

BCStudent
Outcomes
Shaping Post-Secondary Education

Detailed Summary of Survey Results
All Institutions
27.0101: Mathematics, general
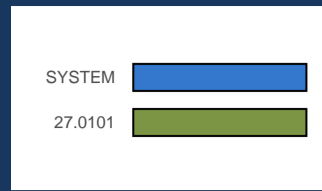
SYSTEM
27.0101

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	27.0101				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	16%	53%	24%	6%	62
Oral Communication	15%	49%	30%	7%	61
Reading and Comprehension	21%	56%	20%	3%	66
Group Collaboration	21%	43%	27%	9%	67
Critical Anlysis	49%	47%	4%	0%	68
Problem Resolution	36%	46%	16%	1%	67
Use of Mathematics	53%	40%	6%	1%	68
Conducting Research	19%	48%	28%	5%	64
Learning on Your Own	47%	41%	9%	3%	68

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"
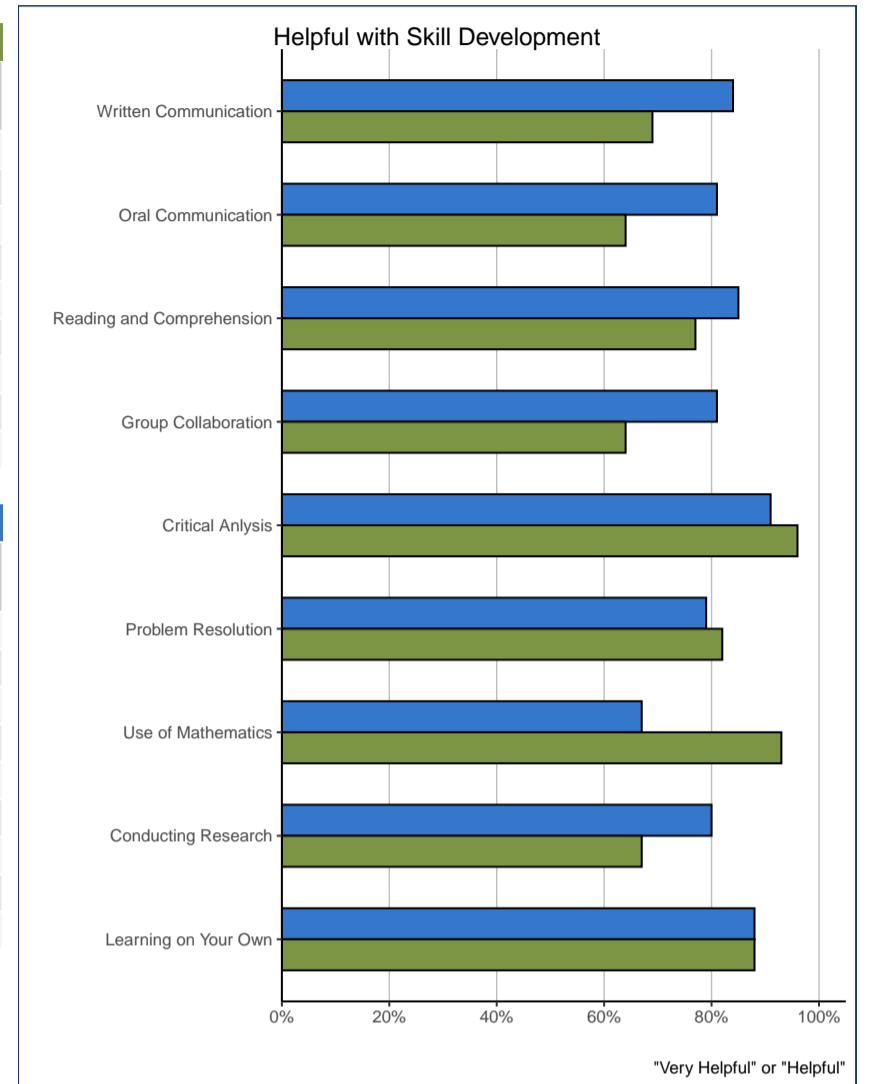
FURTHER EDUCATION

Took further education since 2020 graduation:	27.0101		SYSTEM	
Yes	37	55%	4,119	44%
Not currently enrolled	16	24%	1,831	20%
Currently enrolled full–time	16	24%	1,602	17%
Currently enrolled part–time	5	7%	637	7%
No	30	45%	5,244	56%
Total	67	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
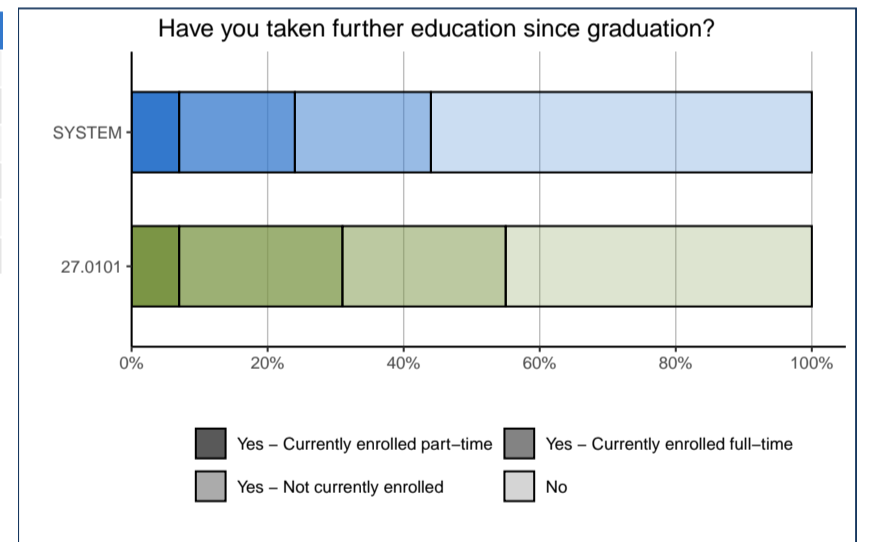
Type of Formal Post–Secondary Education:	27.0101		SYSTEM	
Masters Degree	16	43%	1,307	32%
Doctoral Degree	5	14%	167	4%
Another Undergraduate Degree	4	11%	789	19%
Certificate or Diploma below Bachelor level	3	8%	527	13%
Professional Association Certification	3	8%	603	15%
Postgraduate Certificate or Diploma	4	11%	431	11%
Other	2	5%	236	6%
Total	37	100%	4,060	100%

Further Education/Training Type

BCStudent Outcomes
Shaping Post-Secondary Education

Detailed Summary of Survey Results
All Institutions
27.0101: Mathematics, general
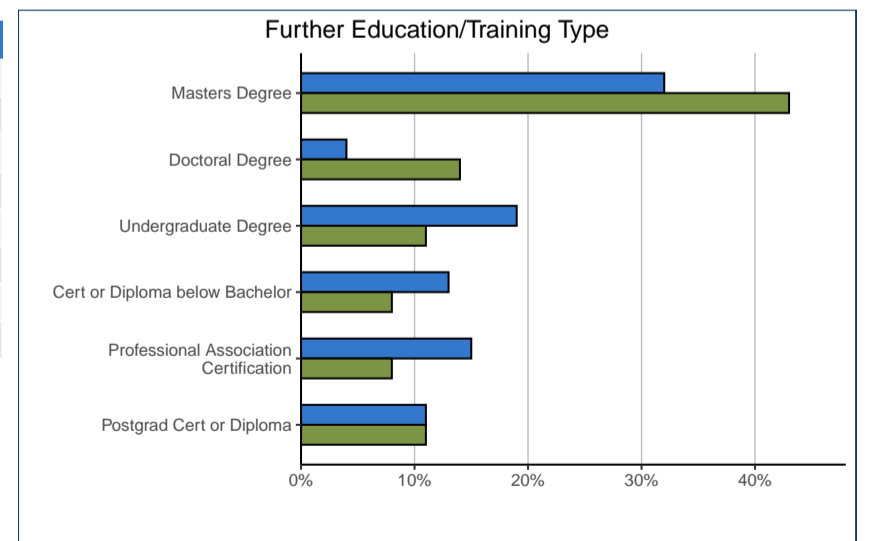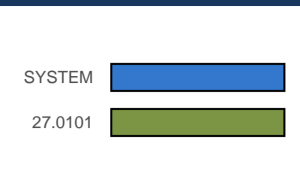
SYSTEM
27.0101

EMPLOYMENT

Labour Fource Status:	27.0101		SYSTEM	
In Labour Force (working or seeking work)	49	73%	8,412	91%
Not in Labour Force	18	27%	857	9%
Total	67	100%	9,269	100%

Employment:	27.0101		SYSTEM	
Employment Rate*	42	62%	7,900	84%
Unemployment Rate**	7	14.3%	512	6.1%

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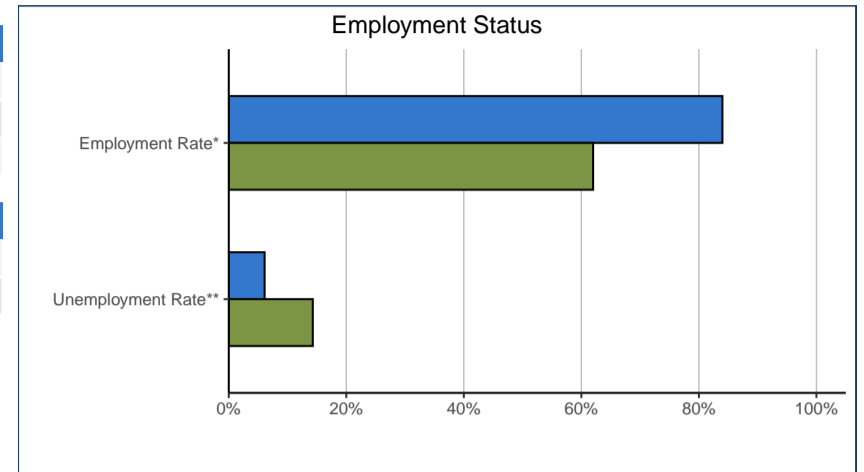
Employment Status

Status of Graduates NOT in Labour Force:	27.0101		SYSTEM	
Attending School FT	13	72%	597	70%
Attending School PT	1	6%	23	3%
Other	4	22%	237	28%
Total NOT in Labour Force	18	100%	857	100%

Primary Employment Type:	27.0101		SYSTEM	
Paid worker	37	90%	7,394	94%
Self–employed	4	10%	493	6%
Total	41	100%	7,887	100%

Job Characteristics:	27.0101		SYSTEM	
I hold more than one job*	5	12%	1,463	19%
My main job is full–time (>= 30 hours per week)**	36	90%	6,655	89%

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

"Under–Employment" Assessment
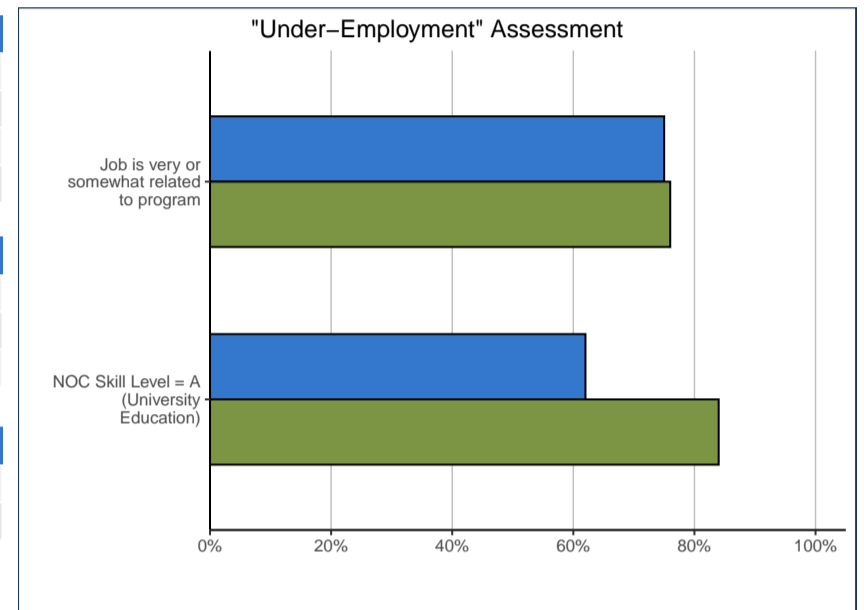
How related is your main job to your program?	27.0101		SYSTEM	
Very Related	8	19%	3,386	43%
Somewhat Related	24	57%	2,530	32%
Not Very Related	3	7%	1,013	13%
Not at All Related	7	17%	954	12%
Total	42	100%	7,883	100%

"Under–employment" Assessment:	27.0101		SYSTEM	
Job is very or somewhat related to program	32	76%	5,916	75%
NOC Skill Level = A (University Education)*	32	84%	4,631	62%

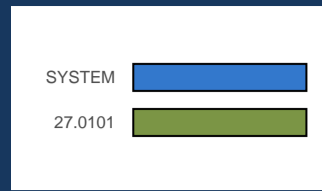*Of total valid responses

Gross Annual FT Income From Main Job ($,000)

Gross Annual Income from Main Job:*	27.0101		SYSTEM	
Less than $20,000	~	~	328	6%
$20,000 to $39,999	~	~	725	12%
$40,000 to $59,999	8	28%	1,773	30%
$60,000 to $79,999	9	31%	1,673	28%
$80,000 to $99,999	~	~	799	13%
$100,000 and Above	~	~	659	11%
Total	29	100%	5,957	100%
Median Annual Income (full–time) ($)	65,000		63,000	
Average Annual Income (full–time) ($)	71,528		70,455	

*Where data provided

NOC Skill Type of Main Job:	27.0101		SYSTEM	
Business, finance & administration	13	34%	1,844	25%
Natural & applied sciences & related	12	32%	1,422	19%
Health	0	0%	933	13%
Education, law and social, community & government	11	29%	1,946	26%
Art, culture, recreation & sport	1	3%	438	6%
Sales & service	1	3%	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	38	100%	7,426	100%

Employed Graduates by NOC Skill Type

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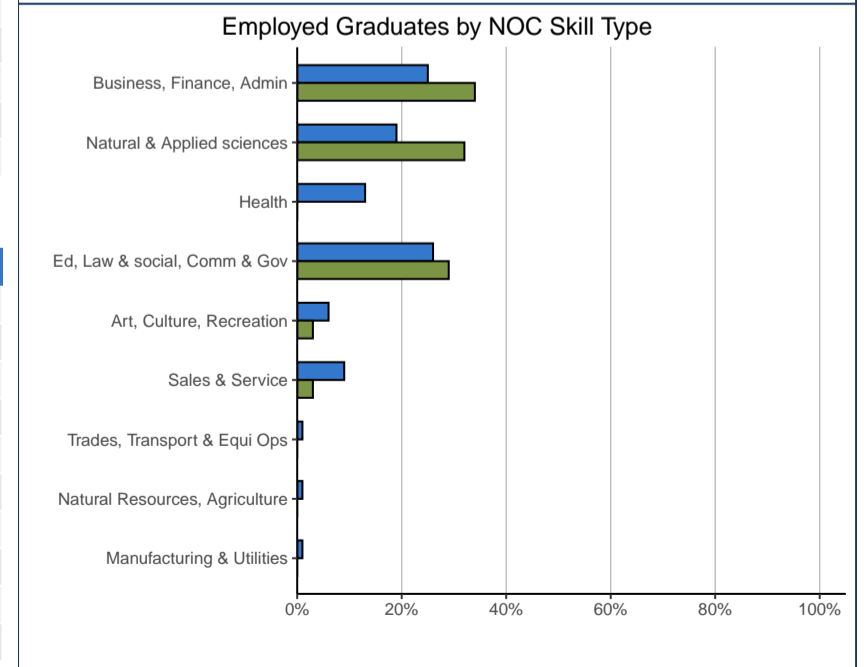
SYSTEM
27.0101

EMPLOYMENT, continued

NOC Skill Level of Main Job:	27.0101		SYSTEM	
A. University education	32	84%	4,631	62%
B. College education/trade apprenticeship	5	13%	2,082	28%
C. Secondary school + job–specific training	1	3%	647	9%
D. No formal education	0	0%	86	1%
Total	38	100%	7,446	100%

NOC Skill Level of Main Job
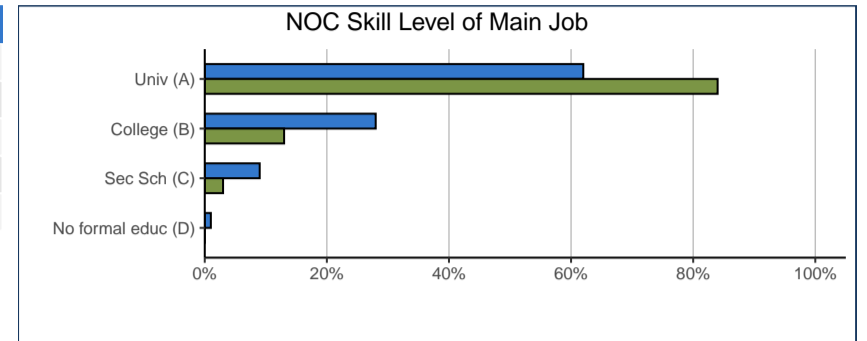
How useful are the following skills and abilities in doing your main job?	27.0101				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	52%	36%	10%	2%	42
Oral Communication	74%	17%	10%	0%	42
Reading and Comprehension	64%	29%	7%	0%	42
Group Collaboration	71%	26%	0%	2%	42
Critical Anlysis	76%	19%	5%	0%	42
Problem Resolution	76%	21%	2%	0%	42
Use of Mathematics	64%	12%	19%	5%	42
Conducting Research	38%	38%	17%	7%	42
Learning on Your Own	60%	36%	2%	2%	42
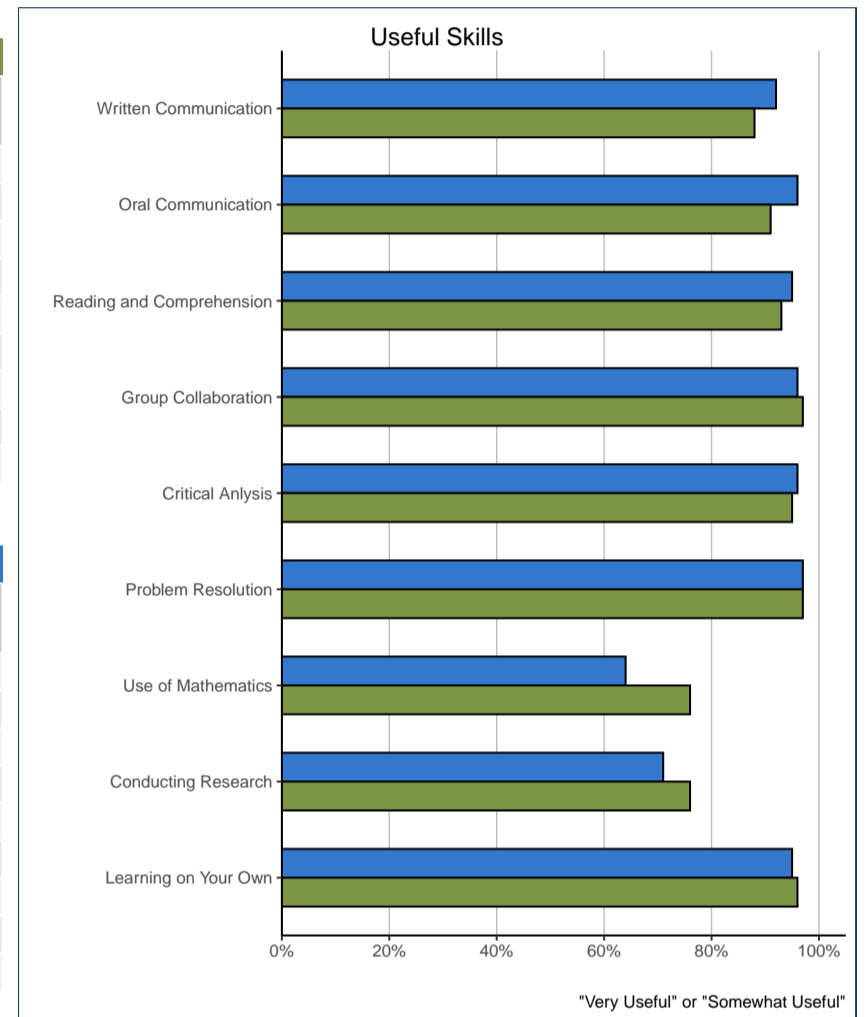
How useful are the following skills and abilities in doing your main job?	SYSTEM				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	67%	25%	5%	3%	7,839
Oral Communication	75%	21%	3%	1%	7,837
Reading and Comprehension	70%	25%	4%	1%	7,836
Group Collaboration	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"

Top 10 Full–time Occupations of 27.0101 Graduates:			27.0101
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
4031	A	Secondary school teachers	12%
*			
*			
*			
*			
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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	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
27.0101

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	27.0101		SYSTEM	
Personal savings, investments	18	26%	2,849	31%
Employment while studying	28	41%	4,716	51%
Family/Friends	49	72%	5,423	59%
Personal bank loans	1	1%	600	7%
Government student loans	18	26%	3,008	33%
Scholarships/Bursaries/Grants	19	28%	2,803	31%
Other	12	18%	1,997	22%
Total	68		9,180	

* Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	27.0101		SYSTEM	
Incurred any form of financial debt	24	36%	4,031	44%
Incurred government–sponsored student loan debt	18	27%	3,331	36%

* Percentage of respondents who provided data

Education Funding Sources

(bar chart: Personal savings, investments; Employment while studying; Family/Friends; Personal bank loans; Government student loans; Scholarships/Bursaries/Grants — axis 0% to 100%)

Financial Debt Amount:*	27.0101		SYSTEM	
< $1,000	0	0%	3	0%
$1,000 to $4,999	1	6%	106	3%
$5,000 to $9,999	0	0%	240	7%
$10,000 to $14,999	1	6%	332	10%
$15,000 to $19,999	0	0%	258	8%
$20,000 to $29,999	5	28%	644	20%
$30,000 to $39,999	1	6%	568	17%
$40,000 or More	10	56%	1,121	34%
Total	18	100%	3,272	100%
Median Financial Debt ($)	40,000		30,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

(bar chart with categories: < $1, $1 – $4, $5 – $9, $10 – $14, $15 – $19, $20 – $29, $30 – $39, $40+ — axis 0% to 60%)

Gov't–Sponsored Student Loan Debt Amount:*	27.0101		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	0	0%	239	10%
$15,000 to $19,999	0	0%	236	10%
$20,000 to $29,999	4	29%	514	21%
$30,000 to $39,999	1	7%	462	19%
$40,000 or More	9	64%	724	30%
Total	14	100%	2,433	100%
Median Gov't–Sponsored Loan Debt ($)	40,000		28,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

(bar chart with categories: < $1, $1 – $4, $5 – $9, $10 – $14, $15 – $19, $20 – $29, $30 – $39, $40+ — axis 0% to 60%)

Gov't–Sponsored Loan Debt Outstanding:*	27.0101		SYSTEM	
None – Loan repaid in full	3	23%	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	0	0%	221	8%
$20,000 to $29,999	2	15%	432	16%
$30,000 to $39,999	3	23%	338	12%
$40,000 or More	5	38%	459	17%
Total	13	100%	2,749	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	37,500		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)

(bar chart with categories: None, < $1, $1 – $4, $5 – $9, $10 – $14, $15 – $19, $20 – $29, $30 – $39, $40+ — axis 0% to 40%)