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

Detailed Summary of Survey Results
All Institutions
14.1201: Engineering physics/applied physics

BCStudent Outcomes
Shaping Post-Secondary Education

| SYSTEM | |
| 14.1201 | |

RESPONSE RATE

Survey Response Rate:	14.1201		SYSTEM	
Baccalaureate Graduates Survey Cohort	32	100%	24,752	100%
Survey Respondents and Response Rate	13	41%	9,423	38%

Response Rate
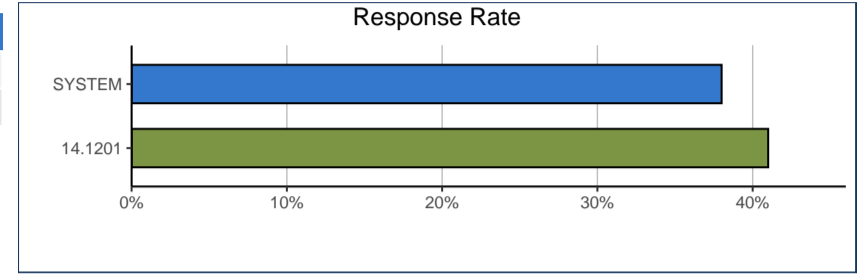
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	14.1201		SYSTEM	
Disabled	0	0%	1,082	12%
International	0	0%	1,205	13%
Aboriginal	0	0%	357	4%
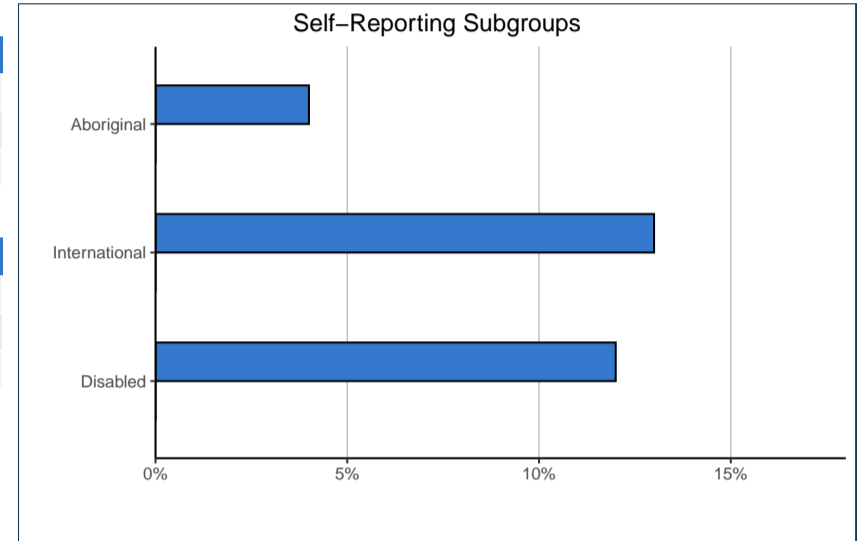
Gender:*	14.1201		SYSTEM	
Male	~	~	3,744	40%
Female	~	~	5,675	60%
Total	13	100%	9,419	100%

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

Self–Reporting Subgroups

Age (at time of survey):	14.1201		SYSTEM	
< 25	~	~	1,496	16%
25 to 29	~	~	5,860	62%
30 to 34	~	~	1,035	11%
35 to 39	~	~	421	4%
40 to 49	0	0%	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	13	100%	9,417	100%
Median Age	25		26	
Average (mean) Age	27		28	

Age Distribution
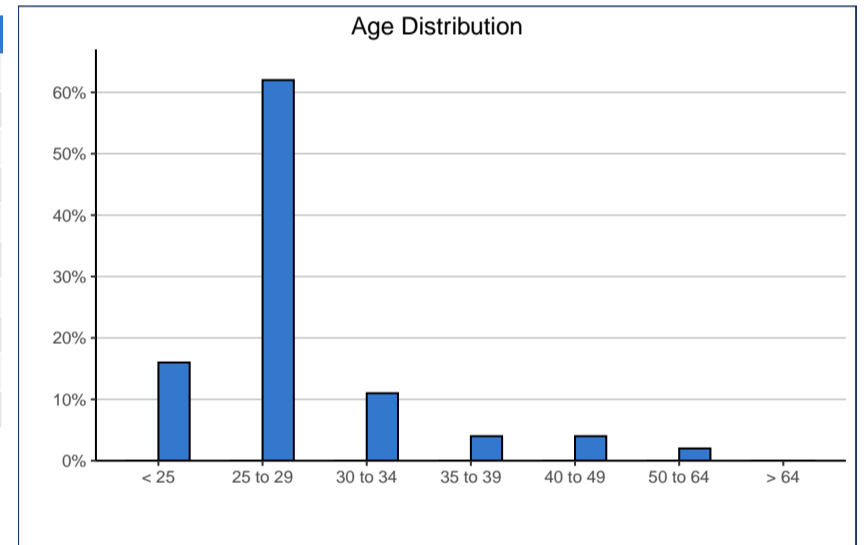
Place of Residence (at time of survey):	14.1201		SYSTEM	
BC – Mainland/Southwest	8	80%	5,472	65%
BC – Vancouver Island/Coast	0	0%	1,112	13%
BC – Northern B.C.	0	0%	270	3%
BC – Interior/Kootenays	0	0%	672	8%
BC Subtotal	8	80%	7,526	90%
Canada – Alberta	~	~	343	4%
Canada – Ontario	0	0%	280	3%
Canada – Other	0	0%	176	2%
U.S.A.	~	~	80	1%
Non–BC Subtotal	~	~	879	10%
Total	~	~	8,405	100%

Place of Residence

Within BC

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Shaping Post-Secondary Education

Detailed Summary of Survey Results
All Institutions
14.1201: Engineering physics/applied physics
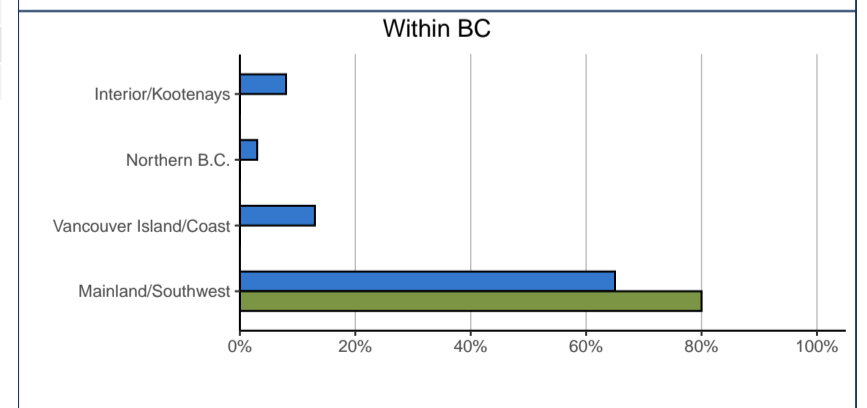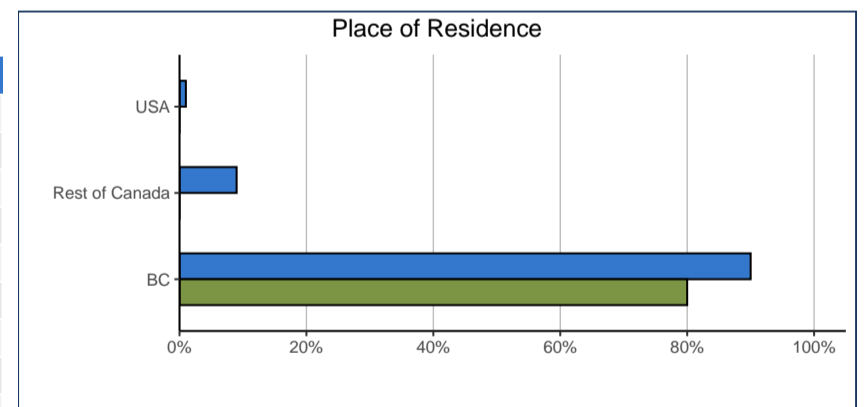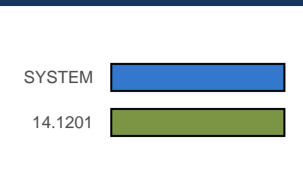
SYSTEM
14.1201

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1201		SYSTEM	
Very Satisfied	8	62%	2,332	25%
Satisfied	4	31%	5,914	64%
Dissatisfied	1	8%	831	9%
Very Dissatisfied	0	0%	188	2%
Total	13	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1201		SYSTEM	
Very Useful	5	45%	3,011	38%
Somewhat Useful	6	55%	3,664	47%
Not Very Useful	0	0%	886	11%
Not at All Useful	0	0%	283	4%
Total	11	100%	7,844	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1201		SYSTEM	
Yes	0	0%	902	10%
No	12	100%	8,298	90%
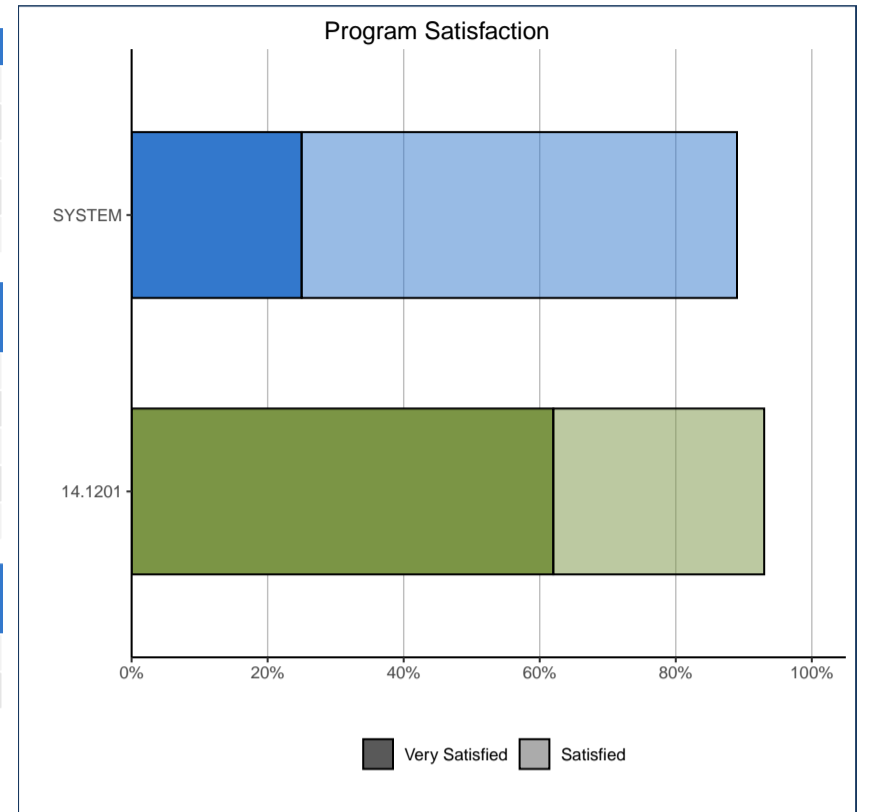
Would select the same program again:	14.1201		SYSTEM	
Yes	10	83%	5,963	72%
No	2	17%	2,334	28%

Quality of Instruction:	14.1201		SYSTEM	
Very Good	3	23%	2,498	27%
Good	9	69%	6,007	64%
Poor	1	8%	685	7%
Very Poor	0	0%	131	1%
Total	13	100%	9,321	100%
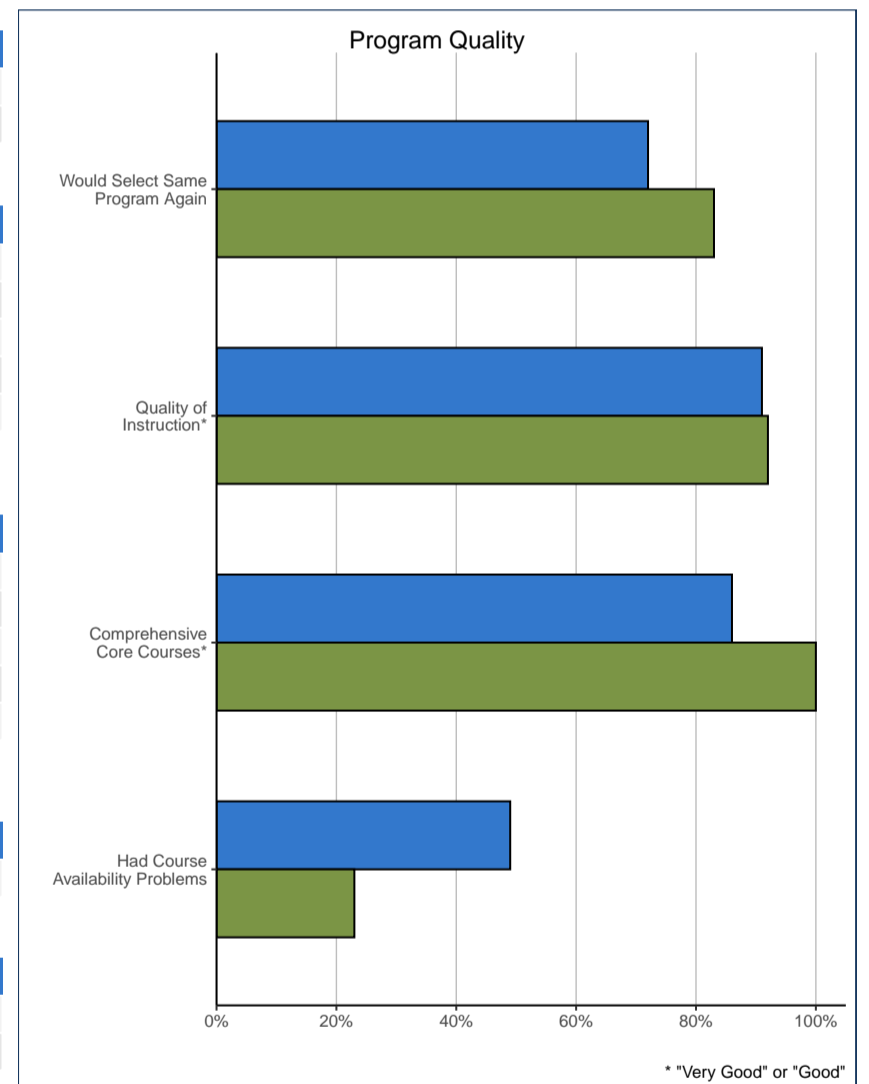
Comprehensiveness of Core Courses:	14.1201		SYSTEM	
Very Good	8	62%	2,303	25%
Good	5	38%	5,649	61%
Poor	0	0%	1,073	12%
Very Poor	0	0%	172	2%
Total	13	100%	9,197	100%

Course Availability:	14.1201		SYSTEM	
Encountered course availability problems	3	23%	4,485	49%

| Financial Constraints:	14.1201		SYSTEM	
Had to interrupt studies for financial reasons	0	0%	987	11%
Had to take program part–time for financial reasons	0	0%	1,629	18%

Program Satisfaction

Legend: Very Satisfied / Satisfied

Program Quality

* "Very Good" or "Good"

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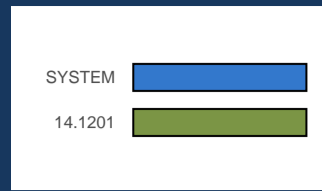
| SYSTEM | |
| 14.1201 | |

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	14.1201				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	25%	67%	8%	0%	12
Oral Communication	17%	75%	8%	0%	12
Reading and Comprehension	46%	38%	8%	8%	13
Group Collaboration	46%	46%	8%	0%	13
Critical Anlysis	77%	23%	0%	0%	13
Problem Resolution	67%	33%	0%	0%	12
Use of Mathematics	77%	23%	0%	0%	13
Conducting Research	42%	50%	8%	0%	12
Learning on Your Own	69%	31%	0%	0%	13

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"
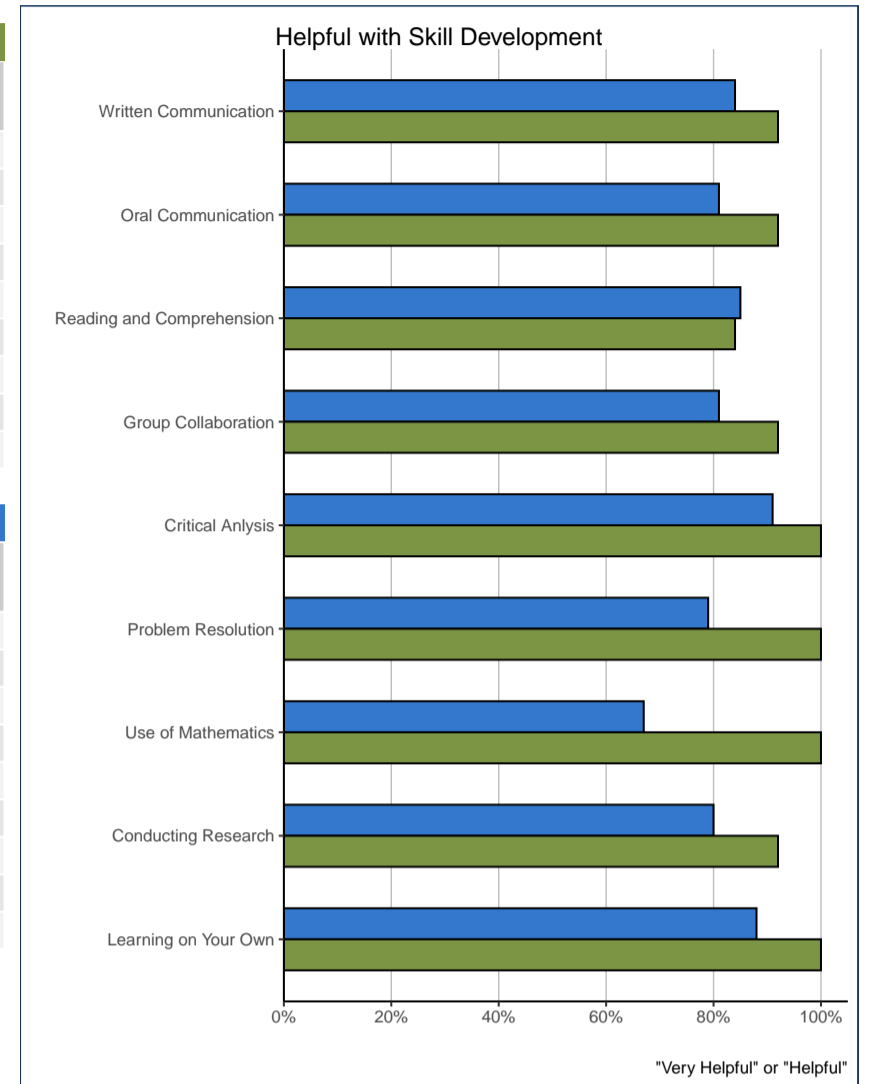
FURTHER EDUCATION

Took further education since 2020 graduation:	14.1201		SYSTEM	
Yes	3	23%	4,119	44%
Not currently enrolled	0	0%	1,831	20%
Currently enrolled full–time	2	15%	1,602	17%
Currently enrolled part–time	1	8%	637	7%
No	10	77%	5,244	56%
Total	13	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
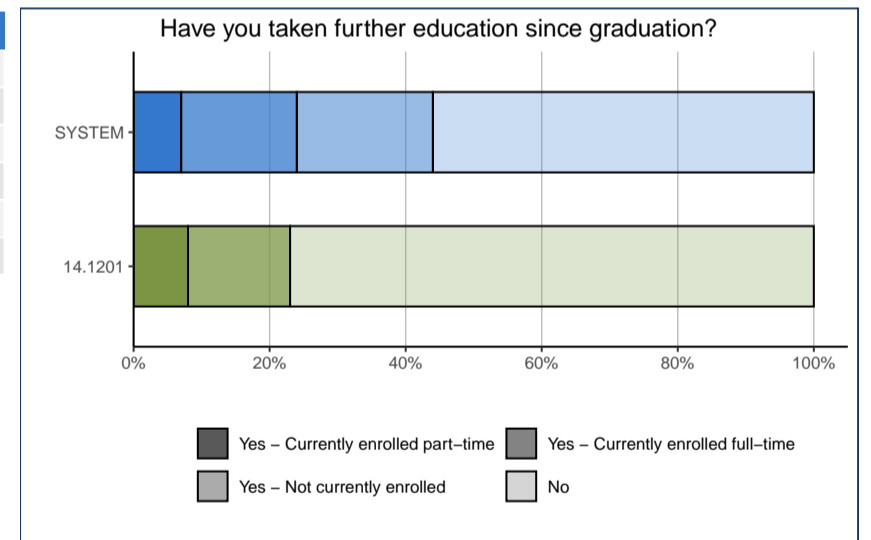
Type of Formal Post–Secondary Education:	14.1201		SYSTEM	
Masters Degree	2	67%	1,307	32%
Doctoral Degree	1	33%	167	4%
Another Undergraduate Degree	0	0%	789	19%
Certificate or Diploma below Bachelor level	0	0%	527	13%
Professional Association Certification	0	0%	603	15%
Postgraduate Certificate or Diploma	0	0%	431	11%
Other	0	0%	236	6%
Total	3	100%	4,060	100%

Further Education/Training Type

BCStudent Outcomes
Shaping Post-Secondary Education

Detailed Summary of Survey Results
All Institutions
14.1201: Engineering physics/applied physics
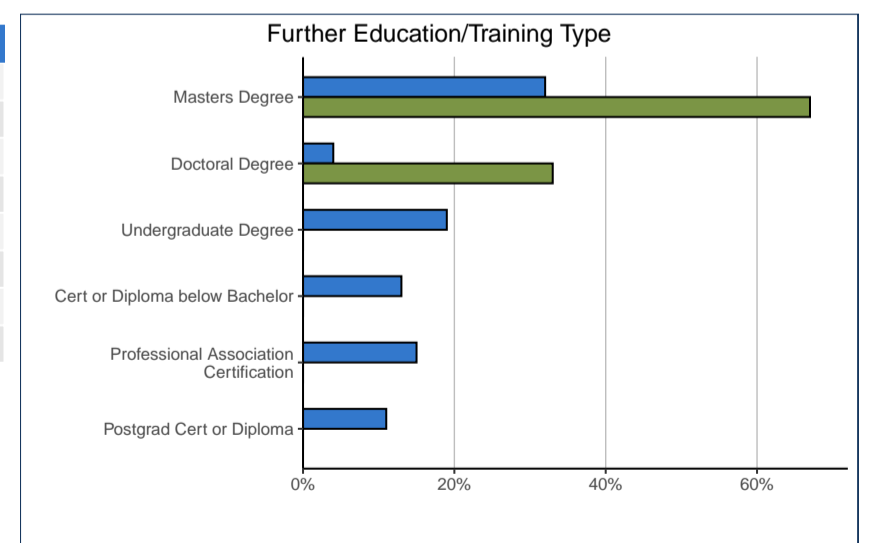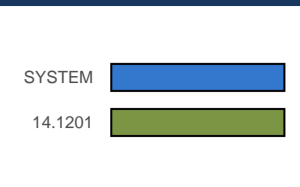
SYSTEM
14.1201

EMPLOYMENT

Labour Fource Status:	14.1201		SYSTEM	
In Labour Force (working or seeking work)	12	92%	8,412	91%
Not in Labour Force	1	8%	857	9%
Total	13	100%	9,269	100%

Employment:	14.1201		SYSTEM	
Employment Rate*	11	85%	7,900	84%
Unemployment Rate**	1	8.3%	512	6.1%

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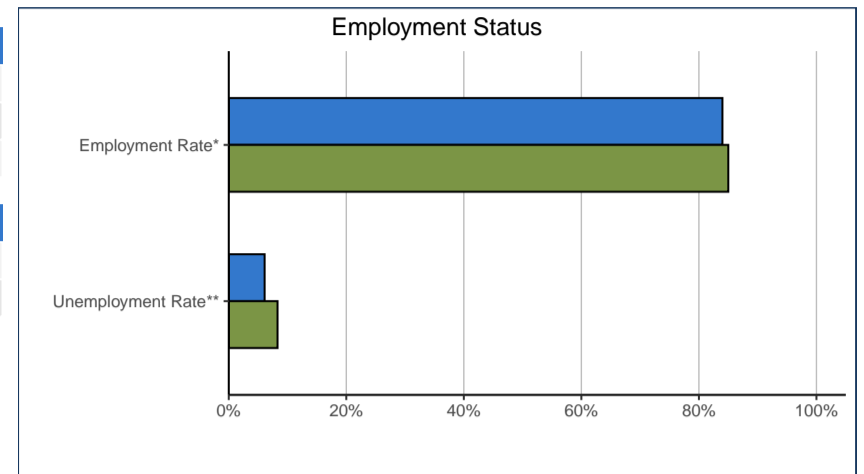
Employment Status

Status of Graduates NOT in Labour Force:	14.1201		SYSTEM	
Attending School FT	1	100%	597	70%
Attending School PT	0	0%	23	3%
Other	0	0%	237	28%
Total NOT in Labour Force	1	100%	857	100%

Primary Employment Type:	14.1201		SYSTEM	
Paid worker	10	91%	7,394	94%
Self–employed	1	9%	493	6%
Total	11	100%	7,887	100%

Job Characteristics:	14.1201		SYSTEM	
I hold more than one job*	1	9%	1,463	19%
My main job is full–time (>= 30 hours per week)**	9	90%	6,655	89%

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

"Under–Employment" Assessment
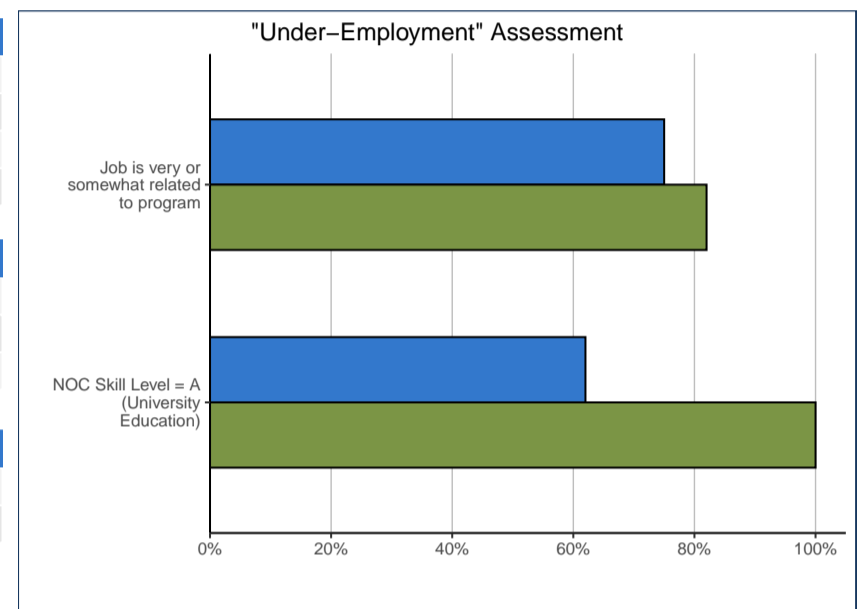
How related is your main job to your program?	14.1201		SYSTEM	
Very Related	2	18%	3,386	43%
Somewhat Related	7	64%	2,530	32%
Not Very Related	2	18%	1,013	13%
Not at All Related	0	0%	954	12%
Total	11	100%	7,883	100%

"Under–employment" Assessment:	14.1201		SYSTEM	
Job is very or somewhat related to program	9	82%	5,916	75%
NOC Skill Level = A (University Education)*	11	100%	4,631	62%

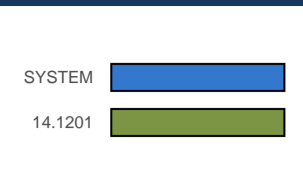*Of total valid responses

Gross Annual Income from Main Job:*	14.1201		SYSTEM	
Less than $20,000	0	0%	328	6%
$20,000 to $39,999	~	~	725	12%
$40,000 to $59,999	~	~	1,773	30%
$60,000 to $79,999	0	0%	1,673	28%
$80,000 to $99,999	~	~	799	13%
$100,000 and Above	~	~	659	11%
Total	10	100%	5,957	100%
Median Annual Income (full–time) ($)	130,890		63,000	
Average Annual Income (full–time) ($)	170,038		70,455	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
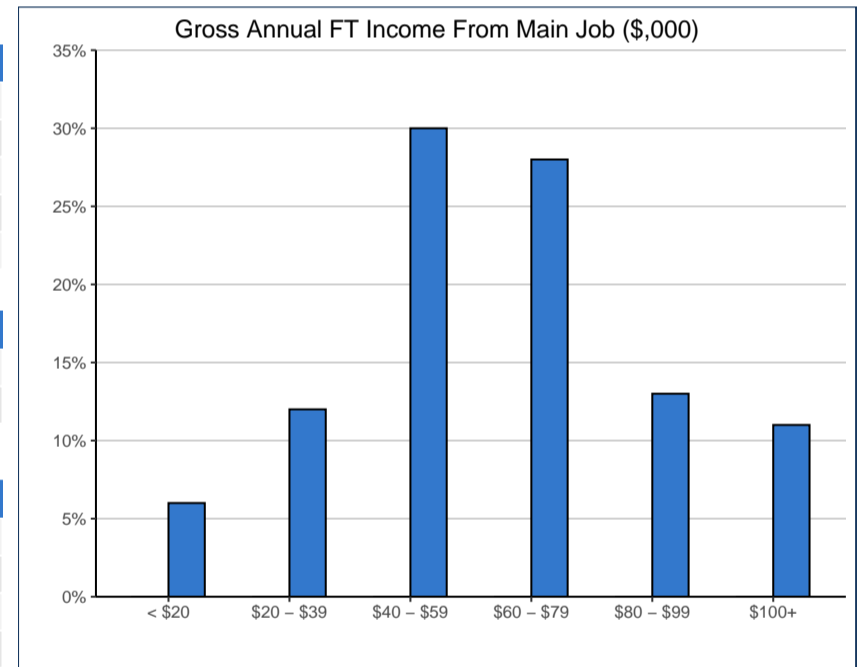
NOC Skill Type of Main Job:	14.1201		SYSTEM	
Business, finance & administration	0	0%	1,844	25%
Natural & applied sciences & related	10	91%	1,422	19%
Health	0	0%	933	13%
Education, law and social, community & government	1	9%	1,946	26%
Art, culture, recreation & sport	0	0%	438	6%
Sales & service	0	0%	658	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	11	100%	7,426	100%

Employed Graduates by NOC Skill Type

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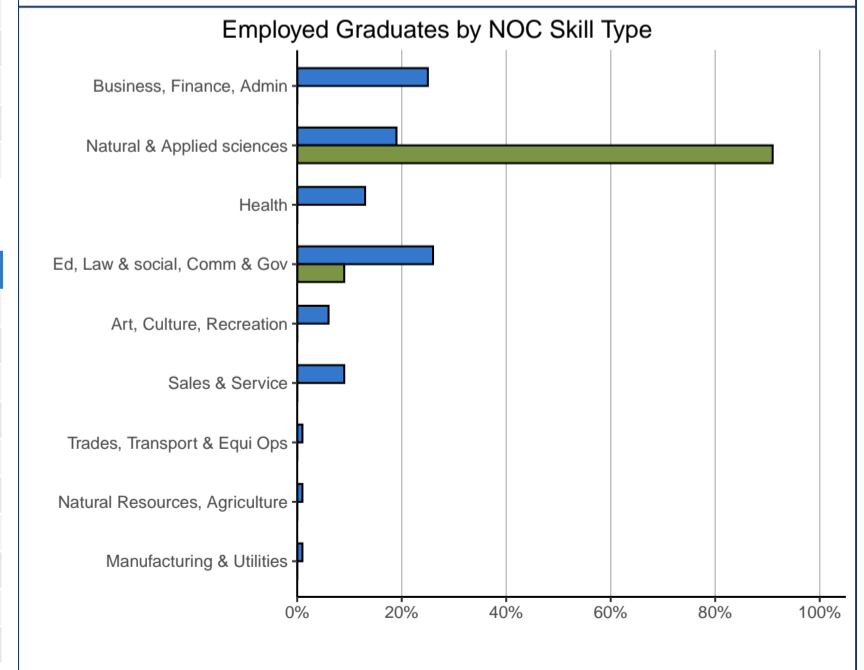
SYSTEM
14.1201

EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1201		SYSTEM	
A. University education	11	100%	4,631	62%
B. College education/trade apprenticeship	0	0%	2,082	28%
C. Secondary school + job–specific training	0	0%	647	9%
D. No formal education	0	0%	86	1%
Total	11	100%	7,446	100%
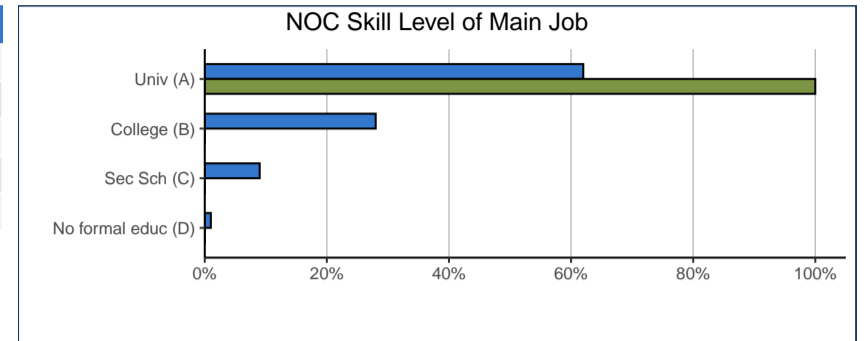
NOC Skill Level of Main Job

	14.1201				
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	91%	9%	0%	0%	11
Oral Communication	100%	0%	0%	0%	11
Reading and Comprehension	100%	0%	0%	0%	11
Group Collaboration	100%	0%	0%	0%	11
Critical Anlysis	91%	9%	0%	0%	11
Problem Resolution	73%	27%	0%	0%	11
Use of Mathematics	20%	50%	20%	10%	10
Conducting Research	20%	70%	10%	0%	10
Learning on Your Own	100%	0%	0%	0%	11
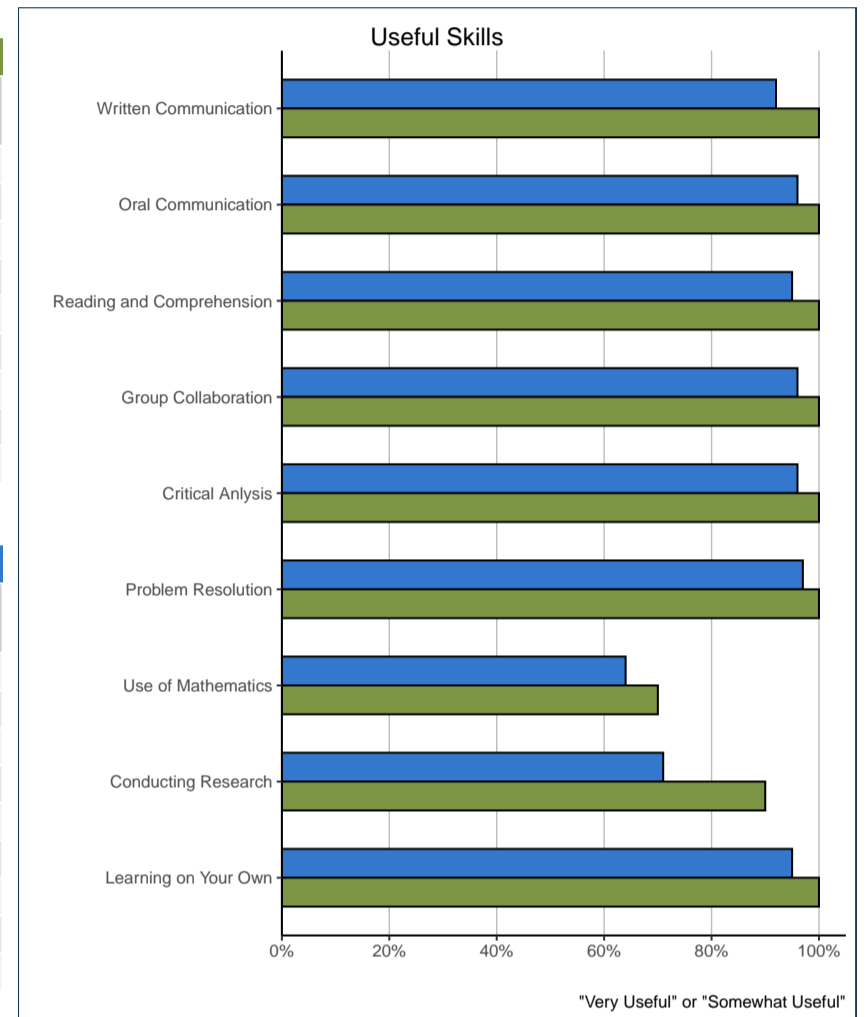
	SYSTEM				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	67%	25%	5%	3%	7,839
Oral Communication	75%	21%	3%	1%	7,837
Reading and Comprehension	70%	25%	4%	1%	7,836
Group Collaboration	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

Useful Skills

"Very Useful" or "Somewhat Useful"

Top 10 Full–time Occupations of 14.1201 Graduates:			14.1201
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	45%
*			
*			
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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

BCStudent Outcomes
Shaping Post-Secondary Education

SYSTEM
14.1201

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.1201		SYSTEM	
Personal savings, investments	3	23%	2,849	31%
Employment while studying	3	23%	4,716	51%
Family/Friends	10	77%	5,423	59%
Personal bank loans	1	8%	600	7%
Government student loans	3	23%	3,008	33%
Scholarships/Bursaries/Grants	4	31%	2,803	31%
Other	9	69%	1,997	22%
Total	13		9,180	

* Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1201		SYSTEM	
Incurred any form of financial debt	5	38%	4,031	44%
Incurred government–sponsored student loan debt	3	23%	3,331	36%

* Percentage of respondents who provided data

Financial Debt Amount:*	14.1201		SYSTEM	
< $1,000	0	0%	3	0%
$1,000 to $4,999	1	20%	106	3%
$5,000 to $9,999	0	0%	240	7%
$10,000 to $14,999	0	0%	332	10%
$15,000 to $19,999	0	0%	258	8%
$20,000 to $29,999	0	0%	644	20%
$30,000 to $39,999	2	40%	568	17%
$40,000 or More	2	40%	1,121	34%
Total	5	100%	3,272	100%
Median Financial Debt ($)	35,000		30,000	

* Includes only cases where financial debt was incurred

Gov't–Sponsored Student Loan Debt Amount:*	14.1201		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	0	0%	514	21%
$30,000 to $39,999	2	67%	462	19%
$40,000 or More	1	33%	724	30%
Total	3	100%	2,433	100%
Median Gov't–Sponsored Loan Debt ($)	35,000		28,000	

* Includes only cases where government–sponsored debt was incurred

Gov't–Sponsored Loan Debt Outstanding:*	14.1201		SYSTEM	
None – Loan repaid in full	2	67%	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	1	33%	432	16%
$30,000 to $39,999	0	0%	338	12%
$40,000 or More	0	0%	459	17%
Total	3	100%	2,749	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	29,826		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

Education Funding Sources

Financial Debt Incurred ($,000)

Government–Sponsored Debt Incurred ($,000)

Outstanding Government–Sponsored Debt ($,000)