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

Detailed Summary of Survey Results
All Institutions
03.0104: Environmental science

BCStudentOutcomes
Shaping Post-Secondary Education

SYSTEM	
03.0104	

RESPONSE RATE

Survey Response Rate:	03.0104		SYSTEM	
Baccalaureate Graduates Survey Cohort	162	100%	24,752	100%
Survey Respondents and Response Rate	74	46%	9,423	38%

Response Rate
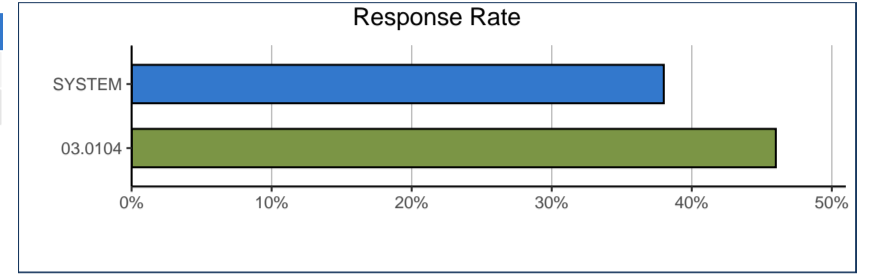
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	03.0104		SYSTEM	
Disabled	8	11%	1,082	12%
International	~	~	1,205	13%
Aboriginal	7	10%	357	4%
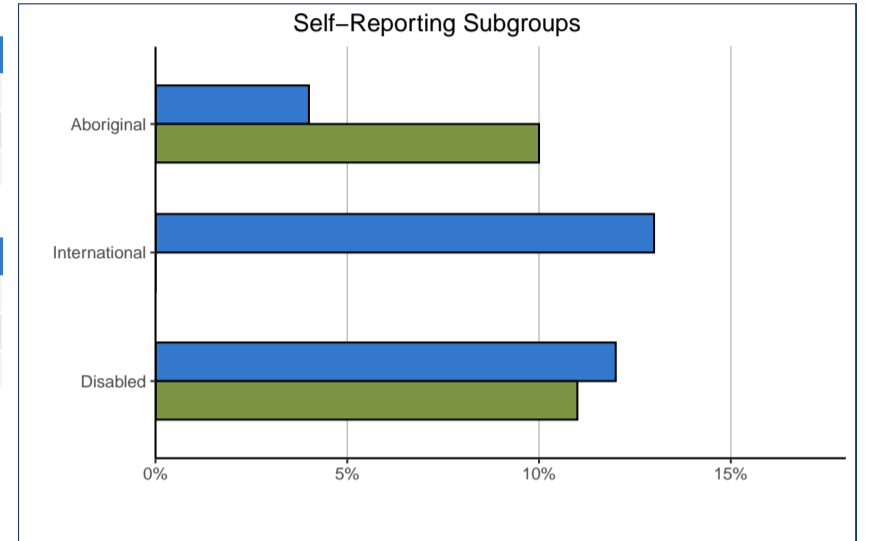
Gender:*	03.0104		SYSTEM	
Male	28	38%	3,744	40%
Female	46	62%	5,675	60%
Total	74	100%	9,419	100%

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

Self–Reporting Subgroups

Age (at time of survey):	03.0104		SYSTEM	
< 25	14	19%	1,496	16%
25 to 29	40	54%	5,860	62%
30 to 34	13	18%	1,035	11%
35 to 39	~	~	421	4%
40 to 49	~	~	397	4%
50 to 64	0	0%	186	2%
> 64	~	~	22	0%
Total	74	100%	9,417	100%
Median Age	27		26	
Average (mean) Age	28		28	

Age Distribution
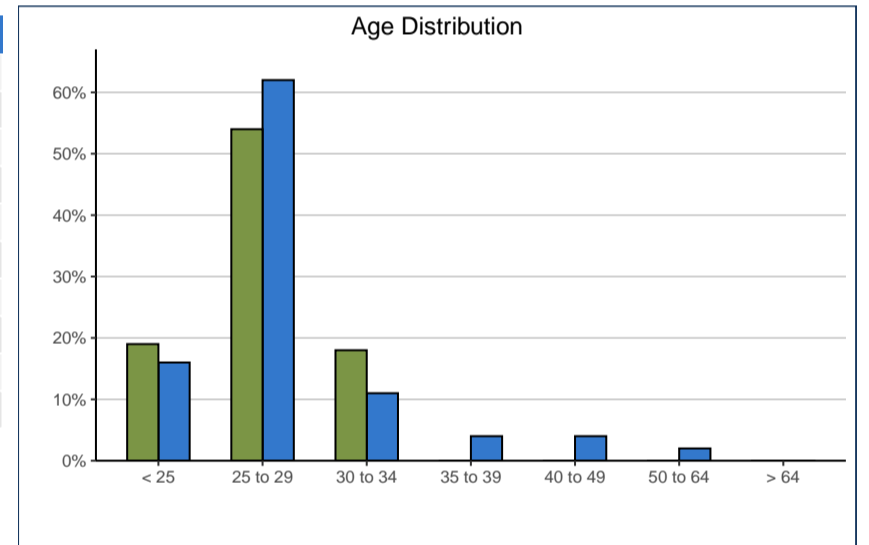
Place of Residence (at time of survey):	03.0104		SYSTEM	
BC – Mainland/Southwest	20	32%	5,472	65%
BC – Vancouver Island/Coast	10	16%	1,112	13%
BC – Northern B.C.	6	10%	270	3%
BC – Interior/Kootenays	13	21%	672	8%
BC Subtotal	49	78%	7,526	90%
Canada – Alberta	7	11%	343	4%
Canada – Ontario	~	~	280	3%
Canada – Other	~	~	176	2%
U.S.A.	0	0%	80	1%
Non–BC Subtotal	14	22%	879	10%
Total	63	100%	8,405	100%

Place of Residence

Within BC
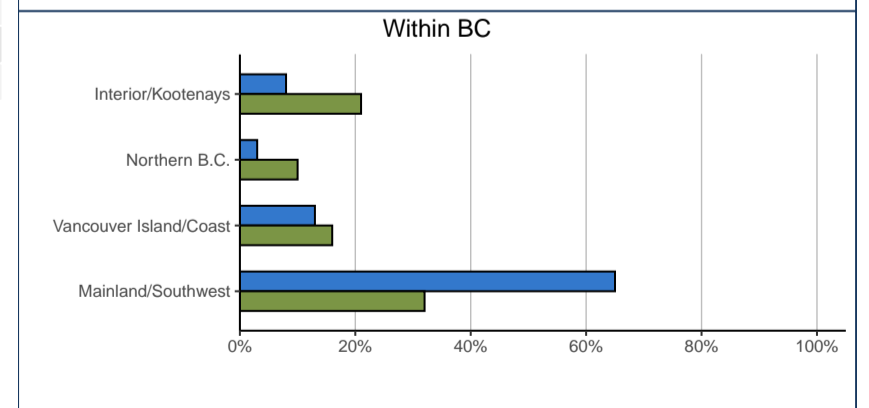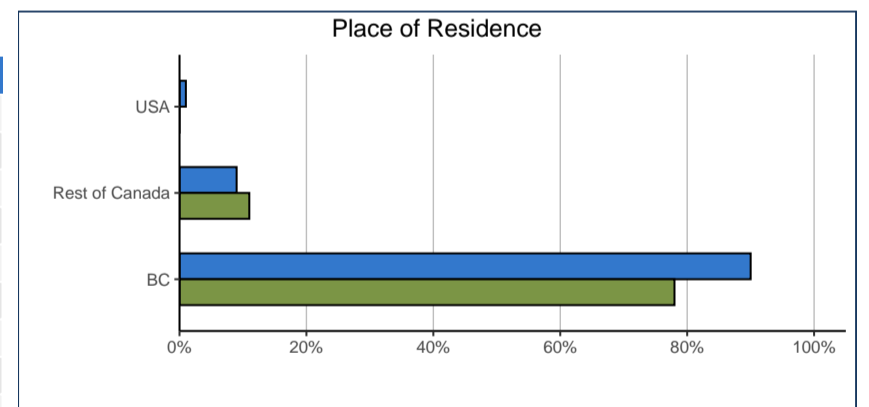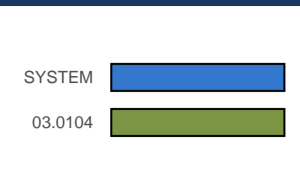
SYSTEM

03.0104

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	03.0104		SYSTEM	
Very Satisfied	18	25%	2,332	25%
Satisfied	49	68%	5,914	64%
Dissatisfied	5	7%	831	9%
Very Dissatisfied	0	0%	188	2%
Total	72	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	03.0104		SYSTEM	
Very Useful	24	36%	3,011	38%
Somewhat Useful	36	54%	3,664	47%
Not Very Useful	6	9%	886	11%
Not at All Useful	1	1%	283	4%
Total	67	100%	7,844	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	03.0104		SYSTEM	
Yes	11	15%	902	10%
No	61	85%	8,298	90%

Would select the same program again:	03.0104		SYSTEM	
Yes	52	78%	5,963	72%
No	15	22%	2,334	28%

Quality of Instruction:	03.0104		SYSTEM	
Very Good	27	37%	2,498	27%
Good	44	60%	6,007	64%
Poor	2	3%	685	7%
Very Poor	0	0%	131	1%
Total	73	100%	9,321	100%

Comprehensiveness of Core Courses:	03.0104		SYSTEM	
Very Good	24	33%	2,303	25%
Good	45	62%	5,649	61%
Poor	4	5%	1,073	12%
Very Poor	0	0%	172	2%
Total	73	100%	9,197	100%

Course Availability:	03.0104		SYSTEM	
Encountered course availability problems	26	36%	4,485	49%

Financial Constraints:	03.0104		SYSTEM	
Had to interrupt studies for financial reasons	5	7%	987	11%
Had to take program part–time for financial reasons	10	14%	1,629	18%

Program Satisfaction

Legend: Very Satisfied | Satisfied

Program Quality

* "Very Good" or "Good"

BCStudent Outcomes
Shaping Post-Secondary Education

Detailed Summary of Survey Results
All Institutions
03.0104: Environmental science

SYSTEM
03.0104
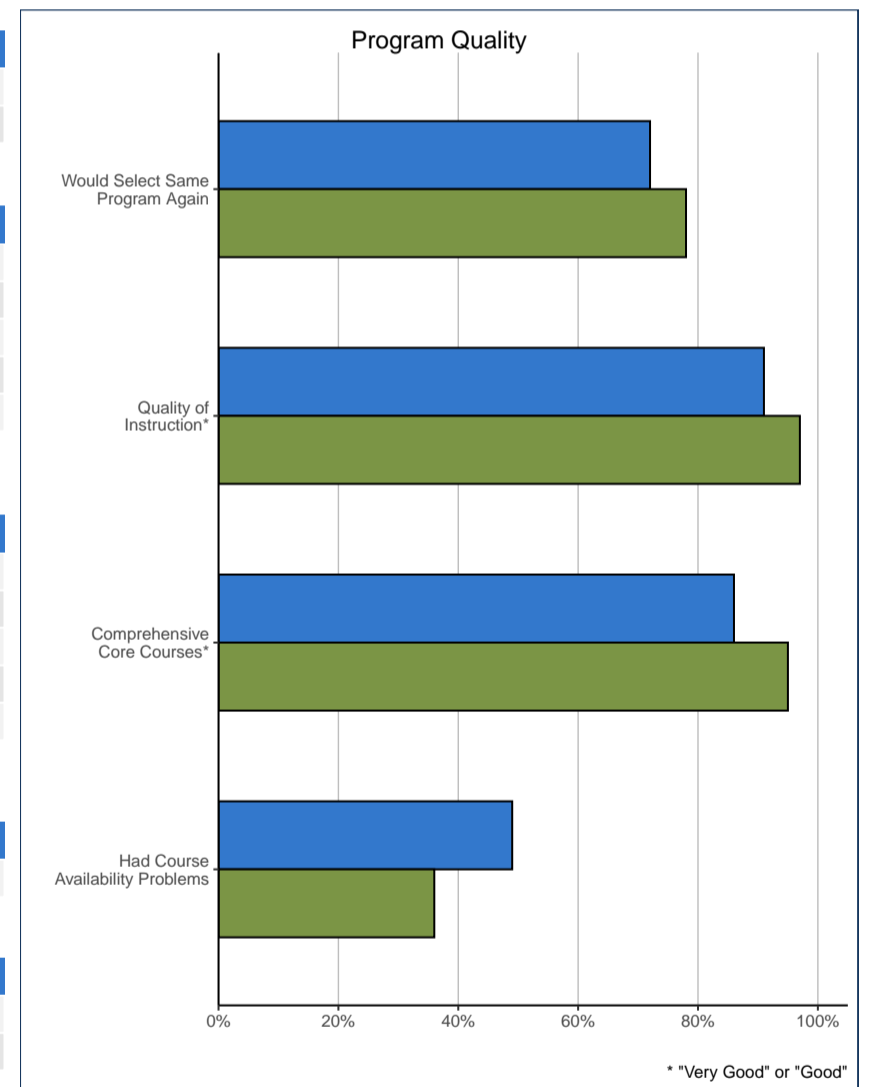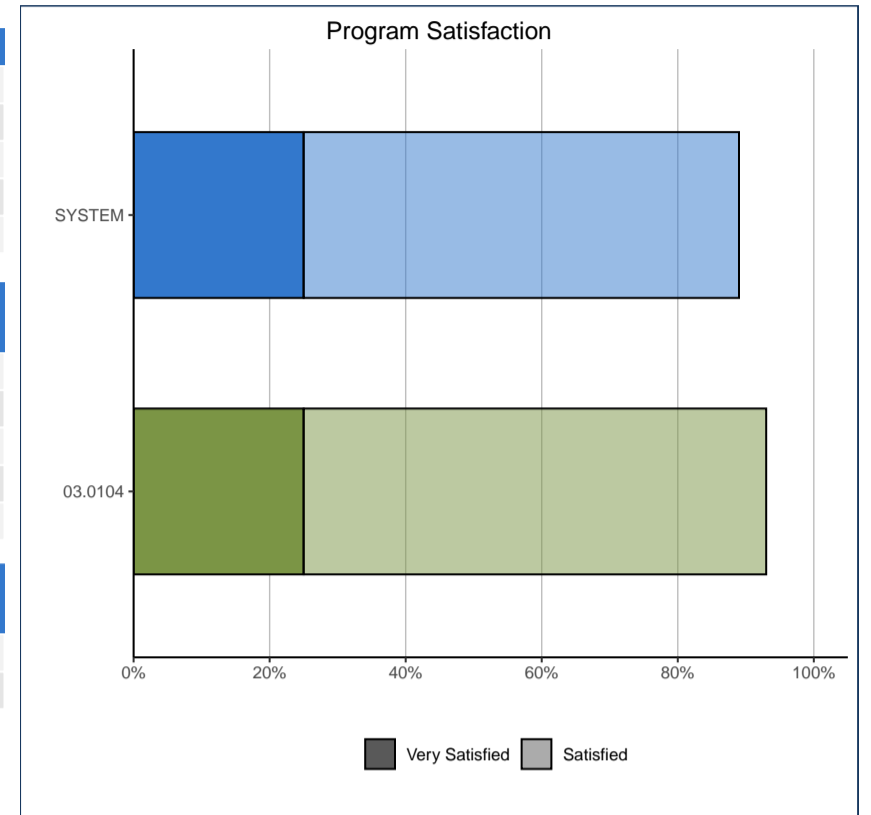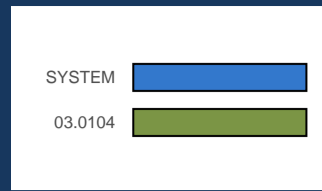
SKILL DEVELOPMENT

03.0104

Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	42%	46%	11%	1%	74
Oral Communication	26%	59%	12%	3%	73
Reading and Comprehension	23%	68%	5%	4%	74
Group Collaboration	41%	49%	9%	1%	74
Critical Anlysis	42%	47%	8%	3%	73
Problem Resolution	23%	62%	14%	1%	73
Use of Mathematics	14%	56%	27%	3%	71
Conducting Research	38%	48%	11%	3%	71
Learning on Your Own	35%	55%	8%	1%	74

SYSTEM

Skill Development: How helpful was institution?	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"
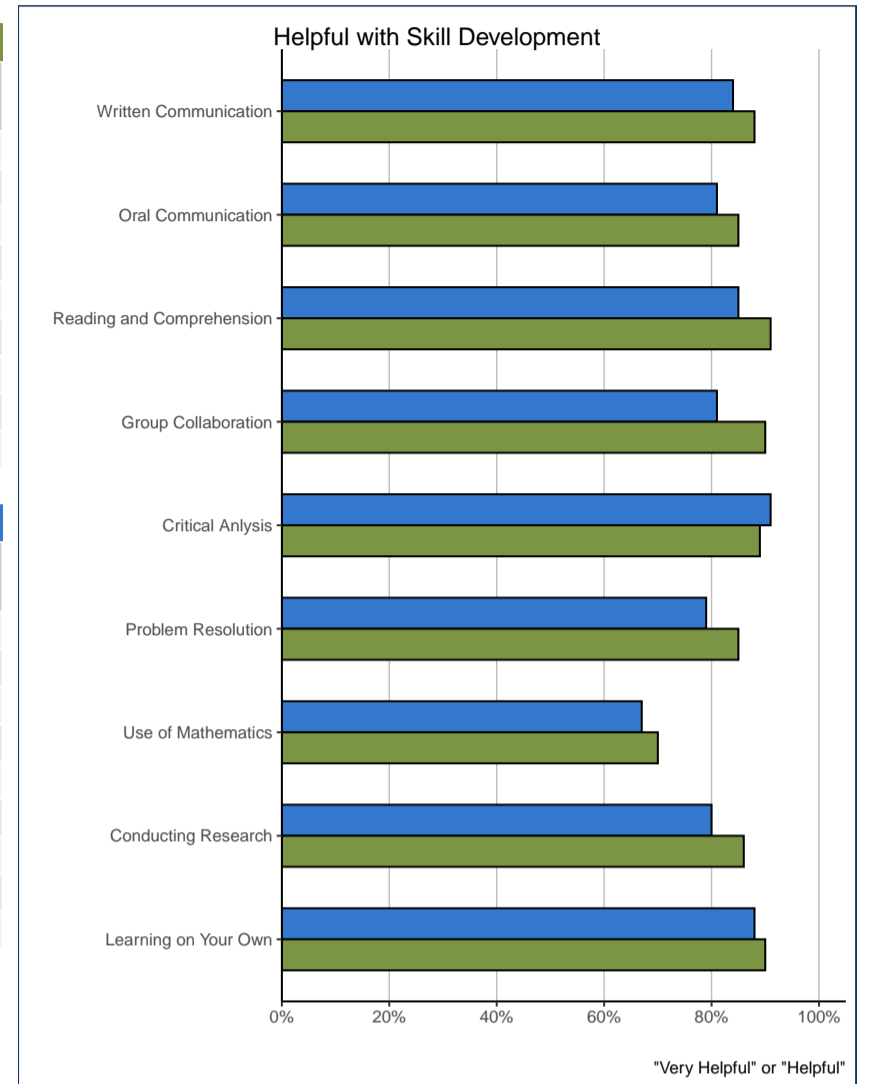
FURTHER EDUCATION

Took further education since 2020 graduation:	03.0104		SYSTEM	
Yes	26	36%	4,119	44%
Not currently enrolled	8	11%	1,831	20%
Currently enrolled full–time	12	16%	1,602	17%
Currently enrolled part–time	4	5%	637	7%
No	47	64%	5,244	56%
Total	73	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
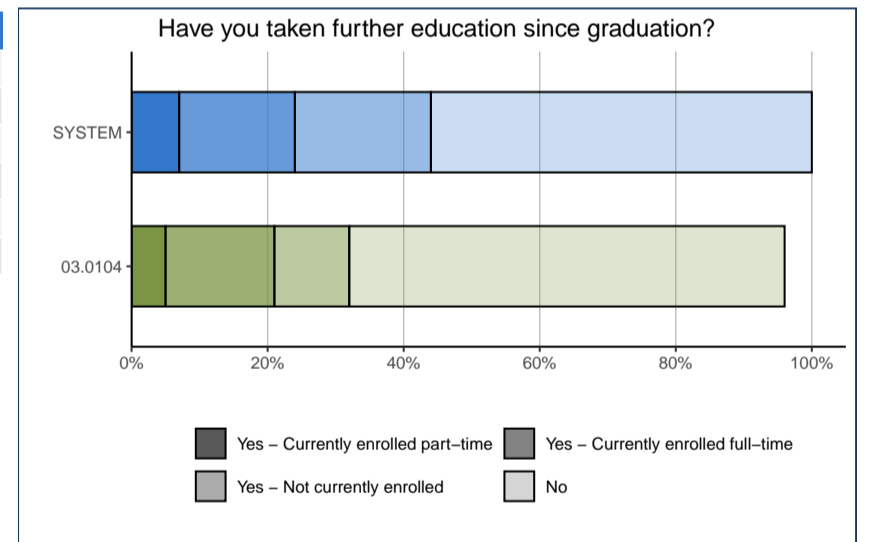
Type of Formal Post–Secondary Education:	03.0104		SYSTEM	
Masters Degree	10	38%	1,307	32%
Doctoral Degree	1	4%	167	4%
Another Undergraduate Degree	4	15%	789	19%
Certificate or Diploma below Bachelor level	1	4%	527	13%
Professional Association Certification	5	19%	603	15%
Postgraduate Certificate or Diploma	1	4%	431	11%
Other	4	15%	236	6%
Total	26	100%	4,060	100%

Further Education/Training Type

BCStudent Outcomes
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Detailed Summary of Survey Results
All Institutions
03.0104: Environmental science
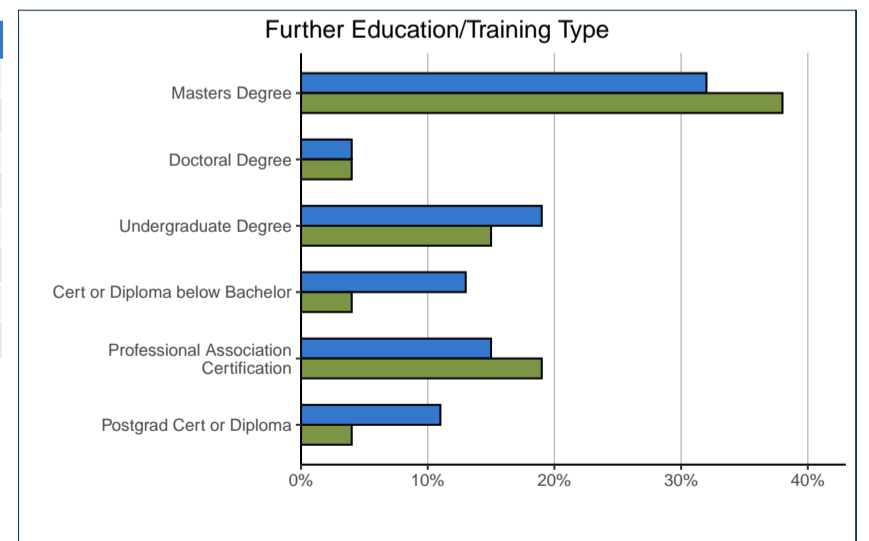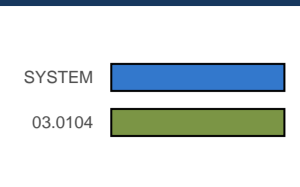
| SYSTEM | |
| 03.0104 | |

EMPLOYMENT

Labour Fource Status:	03.0104		SYSTEM	
In Labour Force (working or seeking work)	69	93%	8,412	91%
Not in Labour Force	5	7%	857	9%
Total	74	100%	9,269	100%

Employment:	03.0104		SYSTEM	
Employment Rate*	67	91%	7,900	84%
Unemployment Rate**	2	2.9%	512	6.1%

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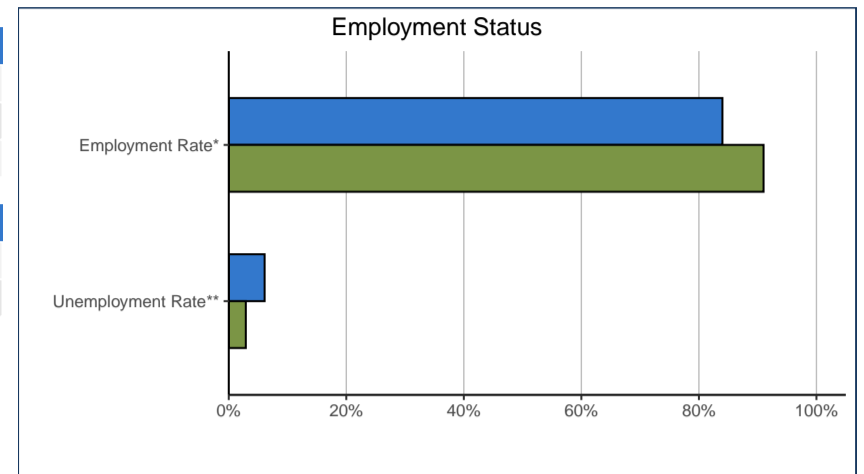
Employment Status

Status of Graduates NOT in Labour Force:	03.0104		SYSTEM	
Attending School FT	4	80%	597	70%
Attending School PT	0	0%	23	3%
Other	1	20%	237	28%
Total NOT in Labour Force	5	100%	857	100%

Primary Employment Type:	03.0104		SYSTEM	
Paid worker	64	96%	7,394	94%
Self–employed	3	4%	493	6%
Total	67	100%	7,887	100%

Job Characteristics:	03.0104		SYSTEM	
I hold more than one job*	9	13%	1,463	19%
My main job is full–time (>= 30 hours per week)**	62	95%	6,655	89%

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

"Under–Employment" Assessment
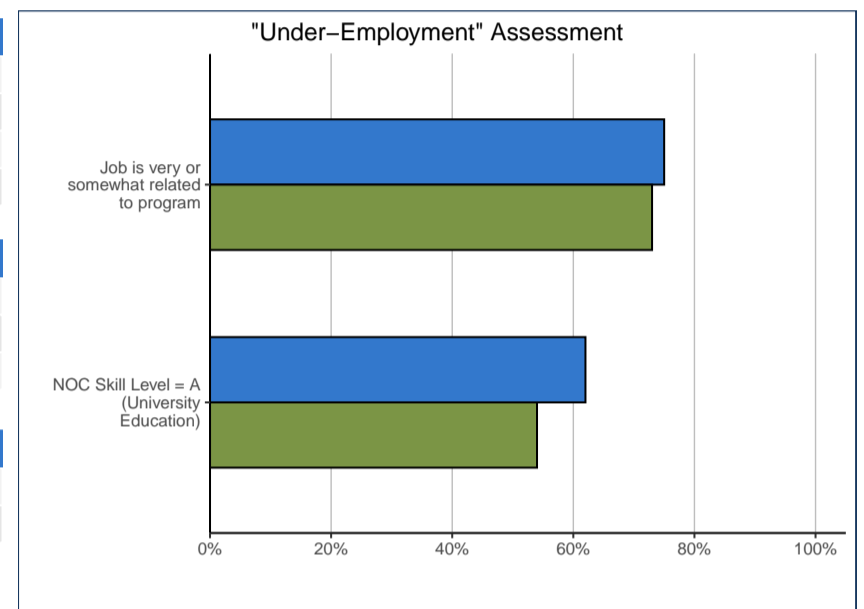
How related is your main job to your program?	03.0104		SYSTEM	
Very Related	26	39%	3,386	43%
Somewhat Related	23	34%	2,530	32%
Not Very Related	13	19%	1,013	13%
Not at All Related	5	7%	954	12%
Total	67	100%	7,883	100%

"Under–employment" Assessment:	03.0104		SYSTEM	
Job is very or somewhat related to program	49	73%	5,916	75%
NOC Skill Level = A (University Education)*	34	54%	4,631	62%

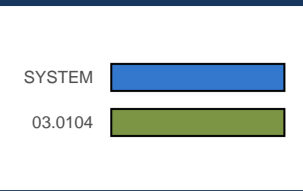*Of total valid responses

Gross Annual Income from Main Job:*	03.0104		SYSTEM	
Less than $20,000	~	~	328	6%
$20,000 to $39,999	8	14%	725	12%
$40,000 to $59,999	18	32%	1,773	30%
$60,000 to $79,999	16	28%	1,673	28%
$80,000 to $99,999	8	14%	799	13%
$100,000 and Above	~	~	659	11%
Total	57	100%	5,957	100%
Median Annual Income (full–time) ($)	57,383		63,000	
Average Annual Income (full–time) ($)	65,919		70,455	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
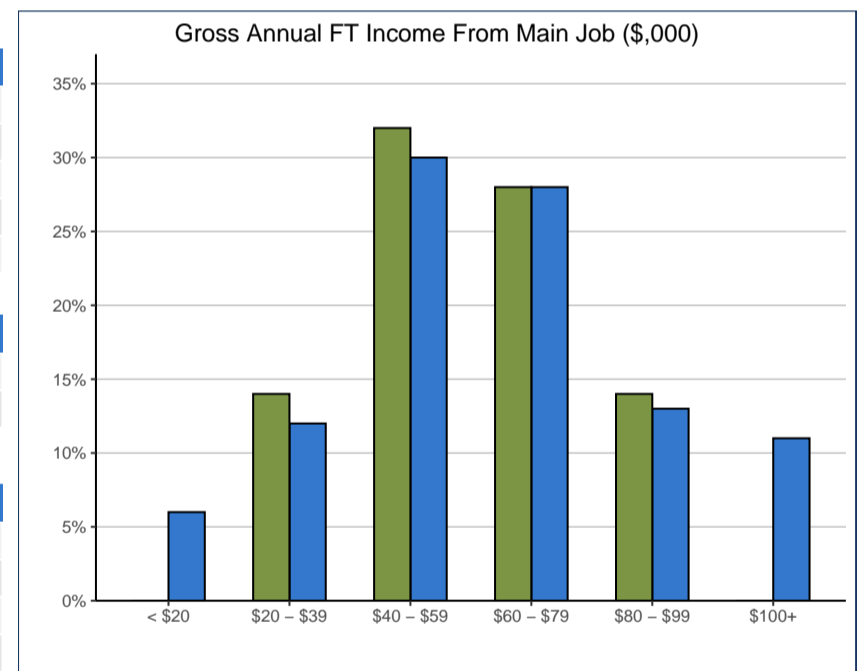
NOC Skill Type of Main Job:	03.0104		SYSTEM	
Business, finance & administration	8	13%	1,844	25%
Natural & applied sciences & related	33	52%	1,422	19%
Health	0	0%	933	13%
Education, law and social, community & government	13	21%	1,946	26%
Art, culture, recreation & sport	0	0%	438	6%
Sales & service	1	2%	658	9%
Trades, transport & equipment operators & related	0	0%	104	1%
Natural resources, agriculture & related production	6	10%	42	1%
Manufacturing & utilities	2	3%	39	1%
Total	63	100%	7,426	100%

Employed Graduates by NOC Skill Type

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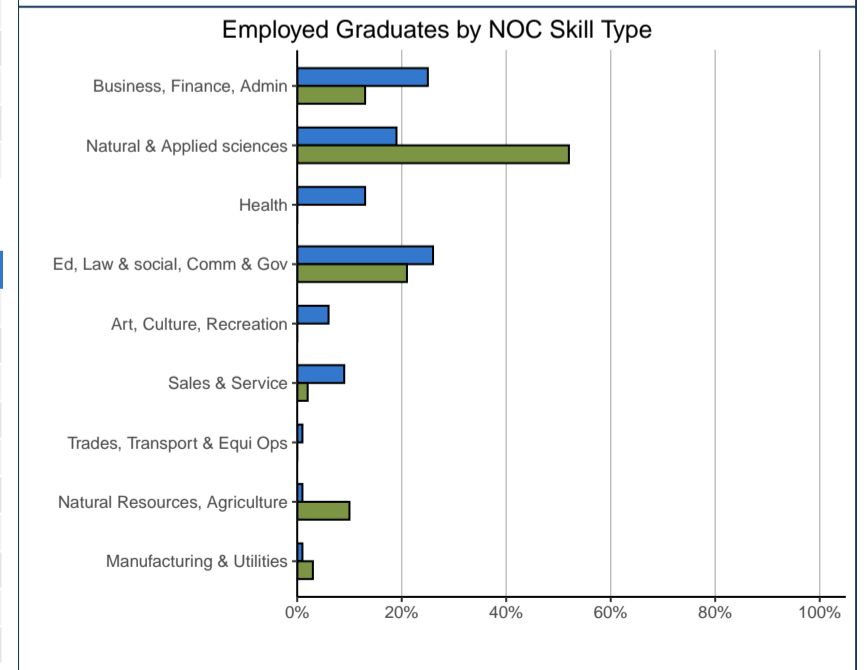
SYSTEM
03.0104

EMPLOYMENT, continued

NOC Skill Level of Main Job:	03.0104		SYSTEM	
A. University education	34	54%	4,631	62%
B. College education/trade apprenticeship	23	37%	2,082	28%
C. Secondary school + job–specific training	4	6%	647	9%
D. No formal education	2	3%	86	1%
Total	63	100%	7,446	100%

NOC Skill Level of Main Job
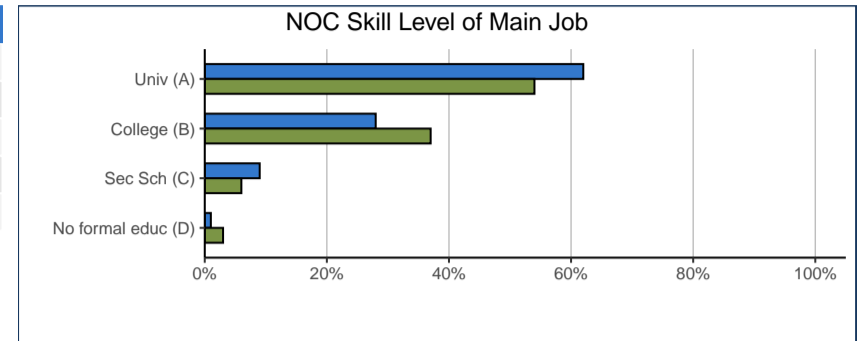
How useful are the following skills and abilities in doing your main job?	03.0104				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	54%	40%	4%	1%	67
Oral Communication	73%	21%	3%	3%	67
Reading and Comprehension	63%	33%	4%	0%	67
Group Collaboration	81%	18%	1%	0%	67
Critical Anlysis	74%	24%	2%	0%	66
Problem Resolution	73%	24%	3%	0%	67
Use of Mathematics	26%	45%	22%	8%	65
Conducting Research	37%	34%	21%	7%	67
Learning on Your Own	69%	25%	6%	0%	67
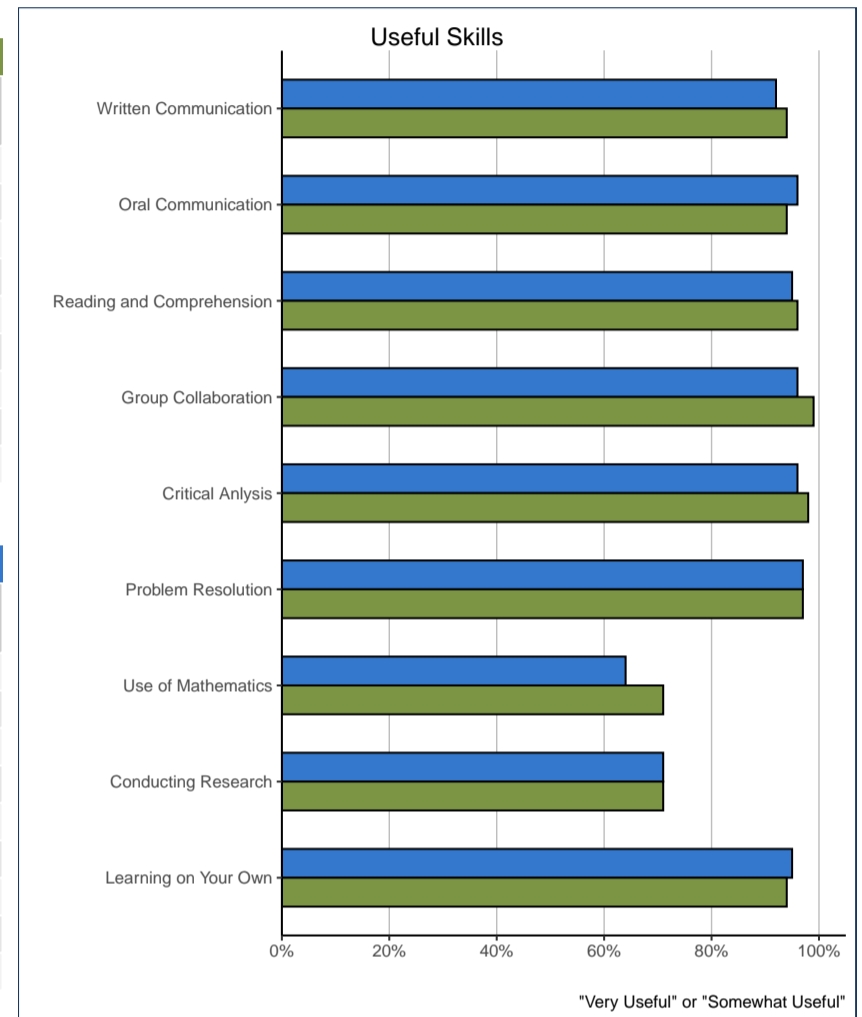
How useful are the following skills and abilities in doing your main job?	SYSTEM				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	67%	25%	5%	3%	7,839
Oral Communication	75%	21%	3%	1%	7,837
Reading and Comprehension	70%	25%	4%	1%	7,836
Group Collaboration	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 03.0104 Graduates:			03.0104
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
4161	A	Natural and applied science policy researchers, consultants and program officers	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

BCStudent Outcomes
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| SYSTEM | |
| 03.0104 | |

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	03.0104		SYSTEM	
Personal savings, investments	26	35%	2,849	31%
Employment while studying	41	55%	4,716	51%
Family/Friends	40	54%	5,423	59%
Personal bank loans	11	15%	600	7%
Government student loans	31	42%	3,008	33%
Scholarships/Bursaries/Grants	26	35%	2,803	31%
Other	18	24%	1,997	22%
Total	74		9,180	

* Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	03.0104		SYSTEM	
Incurred any form of financial debt	43	59%	4,031	44%
Incurred government–sponsored student loan debt	37	50%	3,331	36%

* Percentage of respondents who provided data

Financial Debt Amount:*	03.0104		SYSTEM	
< $1,000	0	0%	3	0%
$1,000 to $4,999	3	8%	106	3%
$5,000 to $9,999	3	8%	240	7%
$10,000 to $14,999	4	11%	332	10%
$15,000 to $19,999	3	8%	258	8%
$20,000 to $29,999	10	28%	644	20%
$30,000 to $39,999	5	14%	568	17%
$40,000 or More	8	22%	1,121	34%
Total	36	100%	3,272	100%
Median Financial Debt ($)	20,000		30,000	

* Includes only cases where financial debt was incurred

Gov't–Sponsored Student Loan Debt Amount:*	03.0104		SYSTEM	
< $1,000	0	0%	4	0%
$1,000 to $4,999	3	10%	78	3%
$5,000 to $9,999	3	10%	176	7%
$10,000 to $14,999	7	24%	239	10%
$15,000 to $19,999	5	17%	236	10%
$20,000 to $29,999	5	17%	514	21%
$30,000 to $39,999	2	7%	462	19%
$40,000 or More	4	14%	724	30%
Total	29	100%	2,433	100%
Median Gov't–Sponsored Loan Debt ($)	15,000		28,000	

* Includes only cases where government–sponsored debt was incurred

Gov't–Sponsored Loan Debt Outstanding:*	03.0104		SYSTEM	
None – Loan repaid in full	10	30%	754	27%
< $1,000	0	0%	7	0%
$1,000 to $4,999	2	6%	120	4%
$5,000 to $9,999	4	12%	202	7%
$10,000 to $14,999	6	18%	216	8%
$15,000 to $19,999	3	9%	221	8%
$20,000 to $29,999	3	9%	432	16%
$30,000 to $39,999	2	6%	338	12%
$40,000 or More	3	9%	459	17%
Total	33	100%	2,749	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	13,900		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)