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

Detailed Summary of Survey Results
Simon Fraser University
14.0903: Computer software engineering

BCStudent Outcomes
Shaping Post-Secondary Education

SFU	▬ (blue)
14.0903	▬ (green)

RESPONSE RATE

Survey Response Rate:	14.0903		SFU	
Baccalaureate Graduates Survey Cohort	41	100%	5,252	100%
Survey Respondents and Response Rate	21	51%	2,037	39%

Response Rate
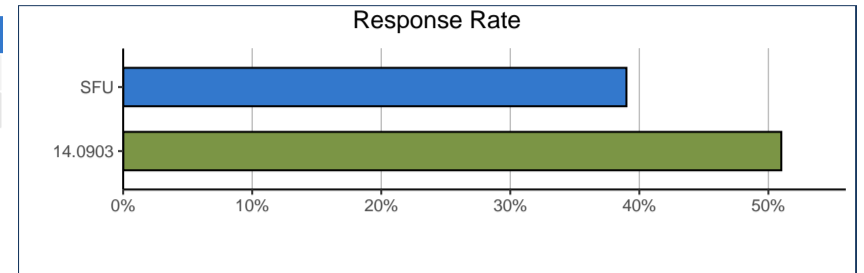
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	14.0903		SFU	
Disabled	0	0%	202	10%
International	7	33%	376	18%
Aboriginal	0	0%	40	2%
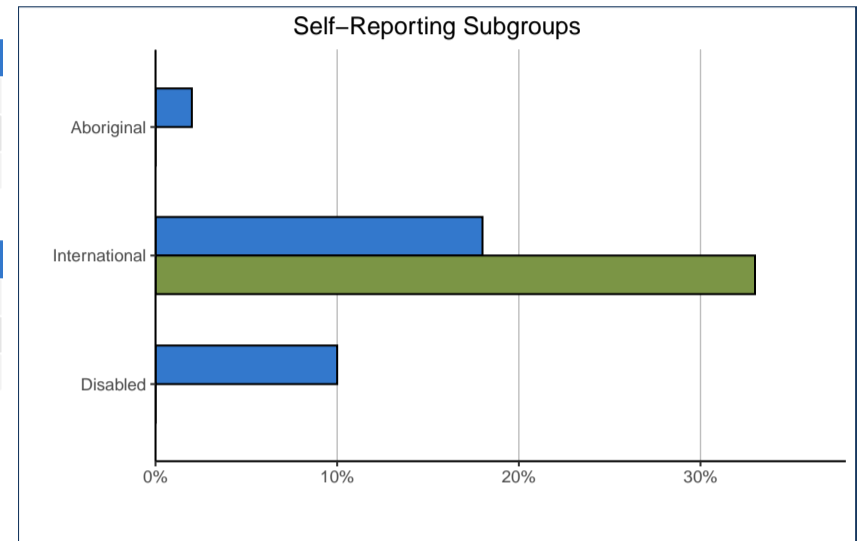
Gender:*	14.0903		SFU	
Male	~	~	882	43%
Female	~	~	1,155	57%
Total	21	100%	2,037	100%

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

Self–Reporting Subgroups

Age (at time of survey):	14.0903		SFU	
< 25	~	~	209	10%
25 to 29	~	~	1,527	75%
30 to 34	~	~	171	8%
35 to 39	0	0%	49	2%
40 to 49	0	0%	60	3%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	21	100%	2,037	100%
Median Age	26		26	
Average (mean) Age	27		27	

Age Distribution
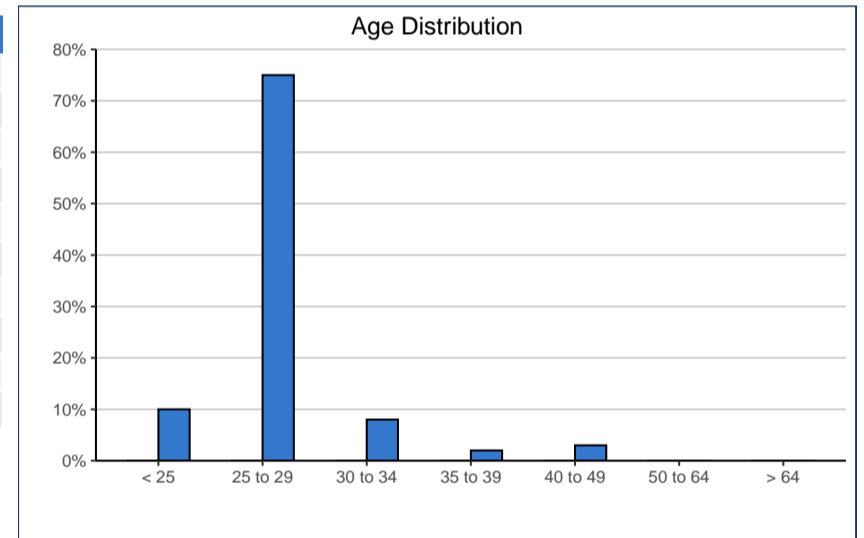
Place of Residence (at time of survey):	14.0903		SFU	
BC – Mainland/Southwest	17	100%	1,659	90%
BC – Vancouver Island/Coast	0	0%	42	2%
BC – Northern B.C.	0	0%	22	1%
BC – Interior/Kootenays	0	0%	24	1%
BC Subtotal	17	100%	1,747	95%
Canada – Alberta	0	0%	21	1%
Canada – Ontario	0	0%	40	2%
Canada – Other	0	0%	15	1%
U.S.A.	0	0%	14	1%
Non–BC Subtotal	0	0%	90	5%
Total	17	100%	1,837	100%

Place of Residence

Within BC

BCStudent Outcomes
Shaping Post-Secondary Education
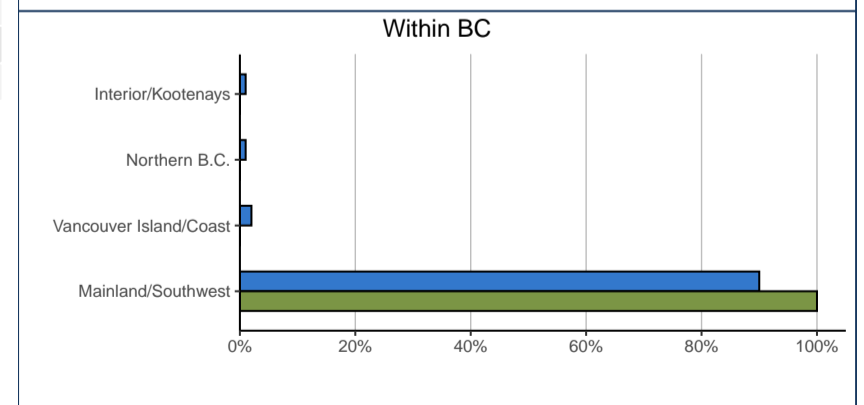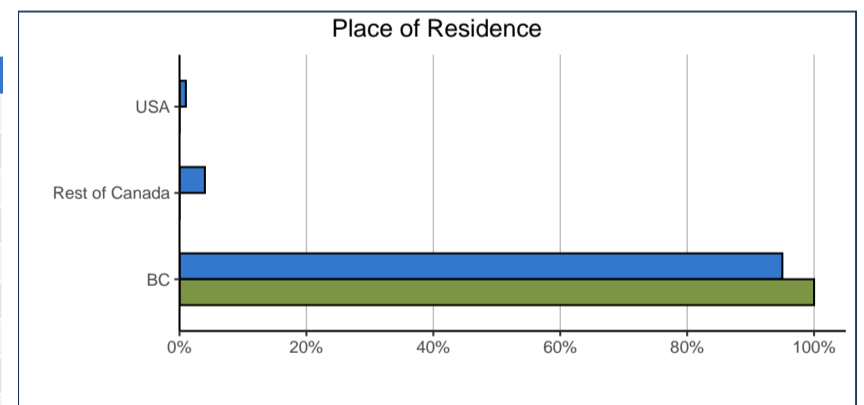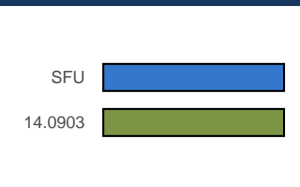
EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0903		SFU	
Very Satisfied	3	14%	405	20%
Satisfied	16	76%	1,336	67%
Dissatisfied	1	5%	199	10%
Very Dissatisfied	1	5%	44	2%
Total	21	100%	1,984	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0903		SFU	
Very Useful	11	58%	534	31%
Somewhat Useful	7	37%	867	51%
Not Very Useful	0	0%	225	13%
Not at All Useful	1	5%	72	4%
Total	19	100%	1,698	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0903		SFU	
Yes	1	6%	163	8%
No	17	94%	1,823	92%
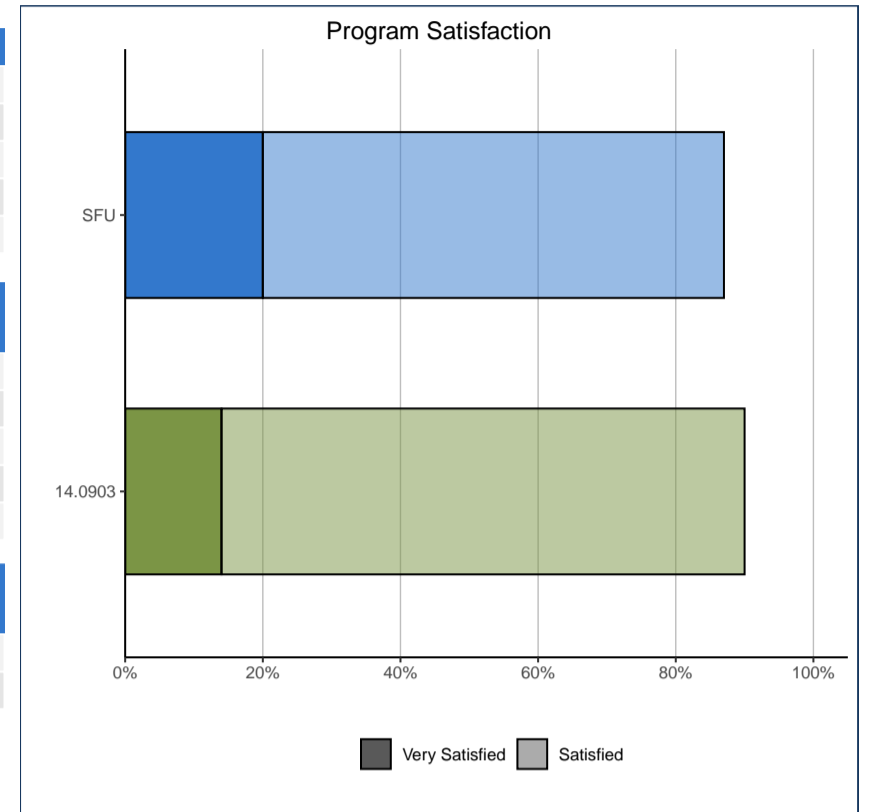
Would select the same program again:	14.0903		SFU	
Yes	16	94%	1,232	70%
No	1	6%	531	30%

Quality of Instruction:	14.0903		SFU	
Very Good	3	15%	440	22%
Good	15	75%	1,384	69%
Poor	2	10%	161	8%
Very Poor	0	0%	23	1%
Total	20	100%	2,008	100%
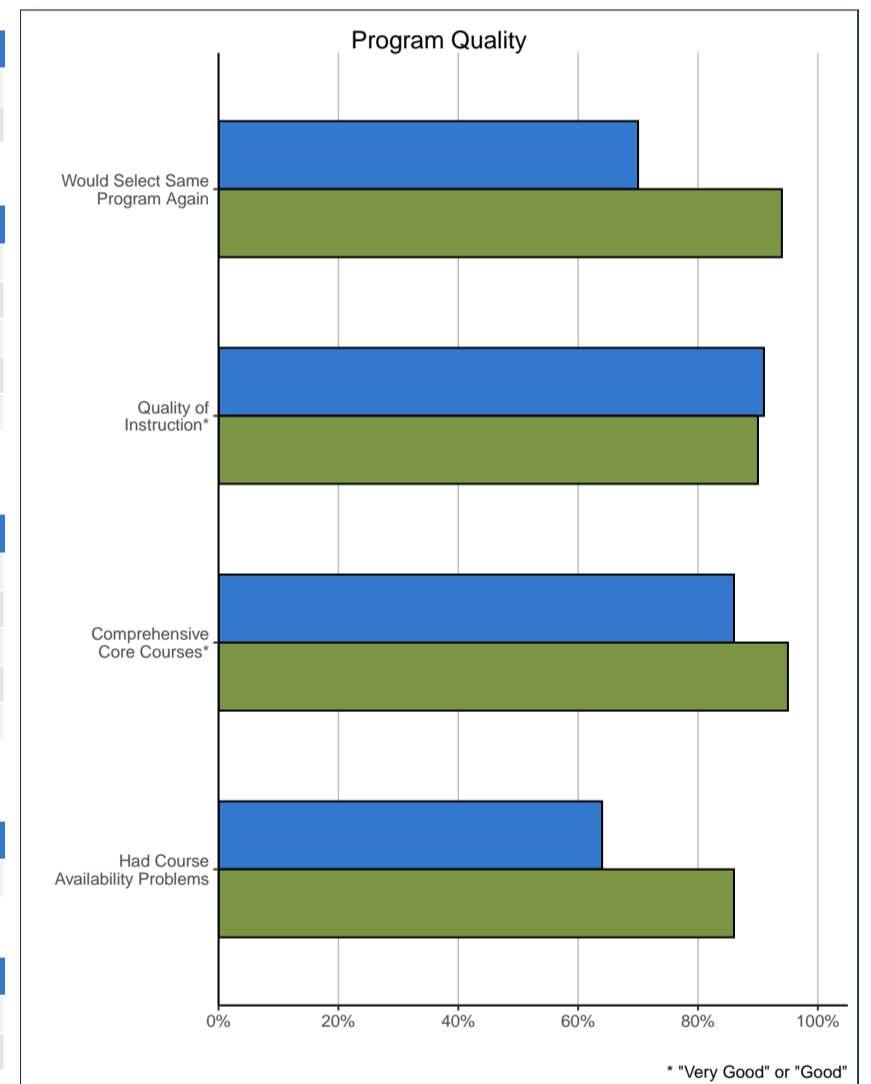
Comprehensiveness of Core Courses:	14.0903		SFU	
Very Good	3	15%	459	23%
Good	16	80%	1,245	63%
Poor	1	5%	233	12%
Very Poor	0	0%	38	2%
Total	20	100%	1,975	100%

Course Availability:	14.0903		SFU	
Encountered course availability problems	18	86%	1,279	64%

Financial Constraints:	14.0903		SFU	
Had to interrupt studies for financial reasons	1	5%	246	12%
Had to take program part–time for financial reasons	4	20%	410	20%

Program Satisfaction

Legend: Very Satisfied, Satisfied

Program Quality

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

* "Very Good" or "Good"
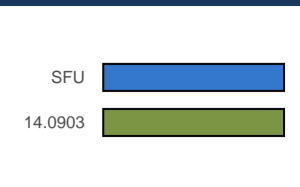
SFU
14.0903

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	14.0903				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	16%	58%	21%	5%	19
Oral Communication	21%	58%	0%	21%	19
Reading and Comprehension	40%	45%	15%	0%	20
Group Collaboration	29%	62%	10%	0%	21
Critical Anlysis	48%	48%	5%	0%	21
Problem Resolution	38%	43%	19%	0%	21
Use of Mathematics	37%	47%	11%	5%	19
Conducting Research	24%	35%	29%	12%	17
Learning on Your Own	62%	33%	5%	0%	21

Skill Development: How helpful was institution?	SFU				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	28%	55%	14%	3%	1,941
Oral Communication	22%	56%	18%	3%	1,969
Reading and Comprehension	28%	57%	13%	2%	1,970
Group Collaboration	24%	52%	21%	3%	1,980
Critical Anlysis	38%	52%	9%	2%	2,006
Problem Resolution	21%	55%	21%	3%	1,943
Use of Mathematics	19%	45%	27%	9%	1,595
Conducting Research	30%	50%	17%	4%	1,894
Learning on Your Own	38%	48%	12%	2%	1,982

Helpful with Skill Development

"Very Helpful" or "Helpful"
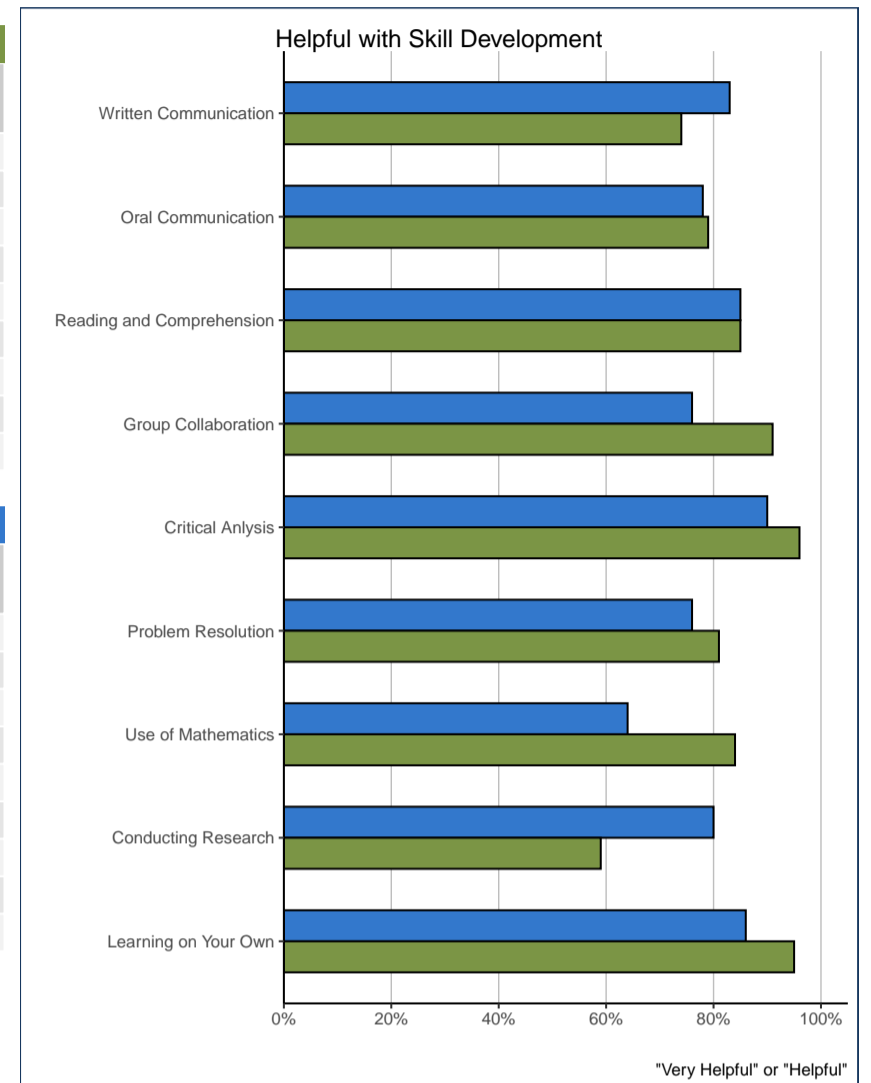
FURTHER EDUCATION

Took further education since 2020 graduation:	14.0903		SFU	
Yes	2	11%	893	44%
Not currently enrolled	0	0%	395	19%
Currently enrolled full–time	1	5%	329	16%
Currently enrolled part–time	1	5%	158	8%
No	17	89%	1,133	56%
Total	19	100%	2,026	100%

Have you taken further education since graduation?

- Yes – Currently enrolled part–time
- Yes – Currently enrolled full–time
- Yes – Not currently enrolled
- No
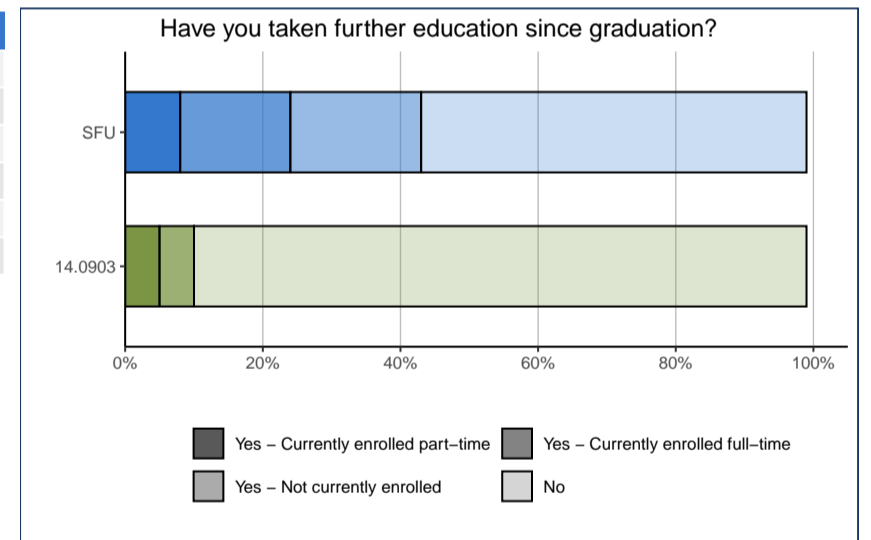
Type of Formal Post–Secondary Education:	14.0903		SFU	
Masters Degree	0	0%	229	26%
Doctoral Degree	0	0%	29	3%
Another Undergraduate Degree	0	0%	188	21%
Certificate or Diploma below Bachelor level	1	50%	136	15%
Professional Association Certification	0	0%	133	15%
Postgraduate Certificate or Diploma	0	0%	119	14%
Other	1	50%	44	5%
Total	2	100%	878	100%

Further Education/Training Type

BCStudent Outcomes
Shaping Post-Secondary Education

Detailed Summary of Survey Results
Simon Fraser University
14.0903: Computer software engineering

SFU
14.0903
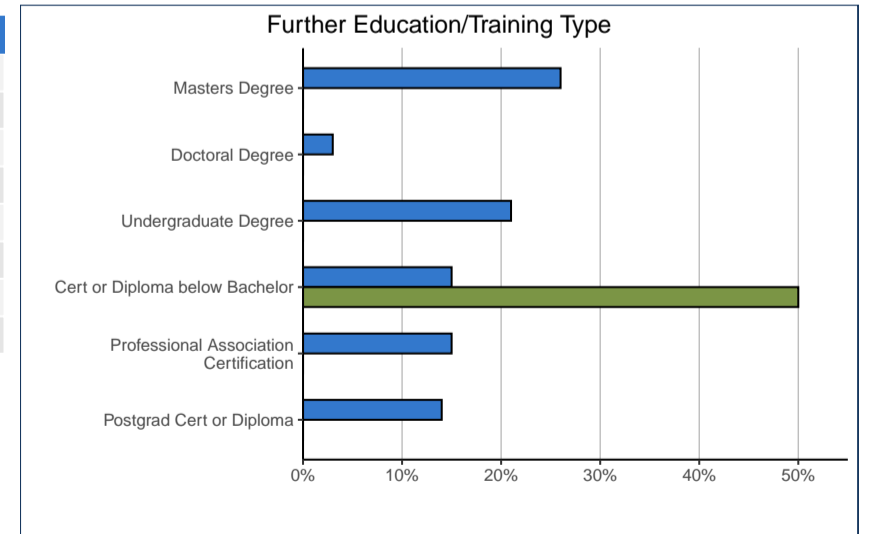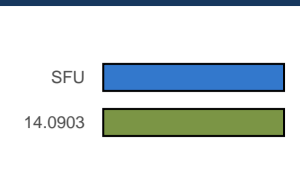
EMPLOYMENT

Labour Fource Status:	14.0903		SFU	
In Labour Force (working or seeking work)	19	100%	1,830	92%
Not in Labour Force	0	0%	168	8%
Total	19	100%	1,998	100%

Employment:	14.0903		SFU	
Employment Rate*	19	90%	1,708	84%
Unemployment Rate**	0	0.0%	122	6.7%

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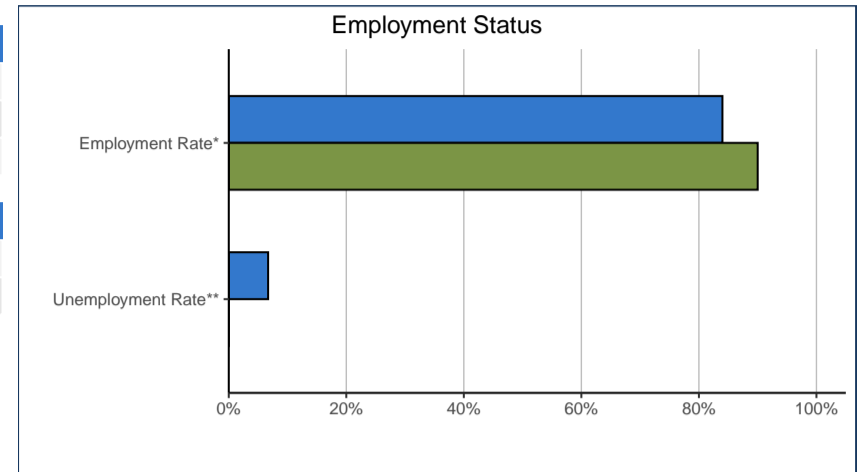
Employment Status

Status of Graduates NOT in Labour Force:	14.0903		SFU	
Attending School FT	0	0%	103	61%
Attending School PT	0	0%	8	5%
Other	0	0%	57	34%
Total NOT in Labour Force	0	0%	168	100%

Primary Employment Type:	14.0903		SFU	
Paid worker	19	100%	1,608	94%
Self–employed	0	0%	96	6%
Total	19	100%	1,704	100%

Job Characteristics:	14.0903		SFU	
I hold more than one job*	0	0%	301	18%
My main job is full–time (>= 30 hours per week)**	17	100%	1,432	89%

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

"Under–Employment" Assessment
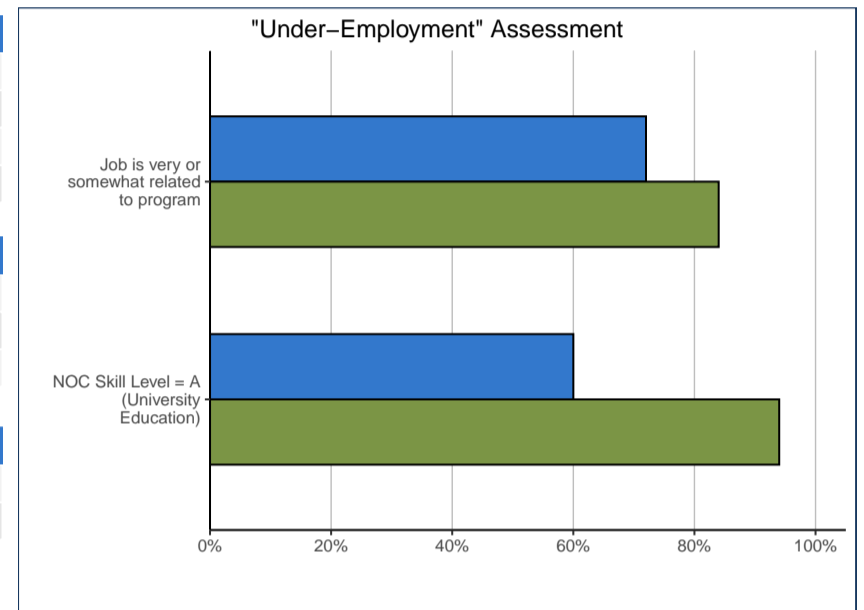
How related is your main job to your program?	14.0903		SFU	
Very Related	12	63%	624	37%
Somewhat Related	4	21%	605	35%
Not Very Related	2	11%	245	14%
Not at All Related	1	5%	231	14%
Total	19	100%	1,705	100%

"Under–employment" Assessment:	14.0903		SFU	
Job is very or somewhat related to program	16	84%	1,229	72%
NOC Skill Level = A (University Education)*	16	94%	945	60%

*Of total valid responses

Gross Annual Income from Main Job:*	14.0903		SFU	
Less than $20,000	0	0%	68	6%
$20,000 to $39,999	0	0%	161	13%
$40,000 to $59,999	~	~	413	34%
$60,000 to $79,999	~	~	351	29%
$80,000 to $99,999	~	~	107	9%
$100,000 and Above	6	50%	108	9%
Total	12	100%	1,208	100%
Median Annual Income (full–time) ($)	99,000		60,000	
Average Annual Income (full–time) ($)	116,188		66,030	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
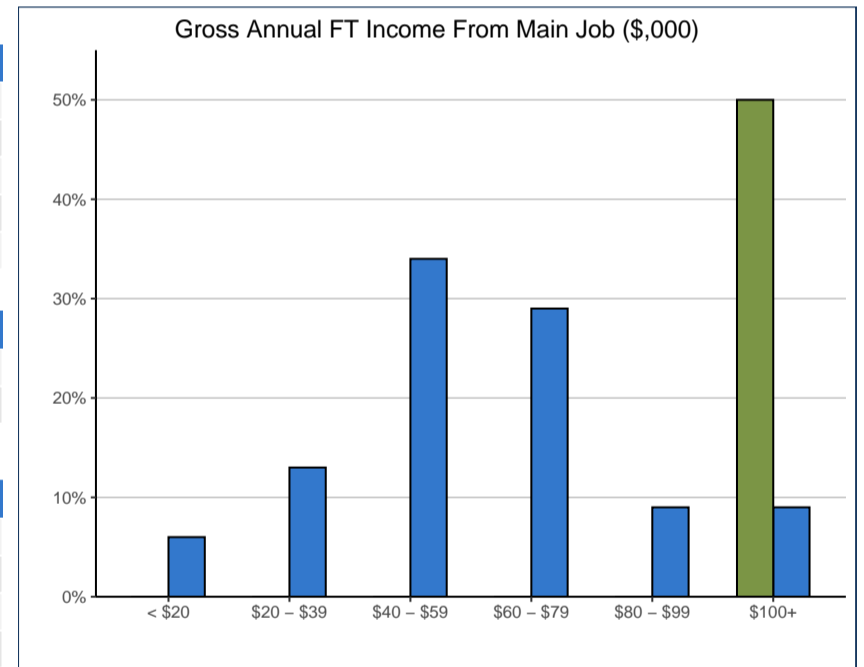
NOC Skill Type of Main Job:	14.0903		SFU	
Business, finance & administration	0	0%	446	28%
Natural & applied sciences & related	16	94%	331	21%
Health	0	0%	52	3%
Education, law and social, community & government	1	6%	460	29%
Art, culture, recreation & sport	0	0%	100	6%
Sales & service	0	0%	162	10%
Trades, transport & equipment operators & related	0	0%	13	1%
Natural resources, agriculture & related production	0	0%	3	0%
Manufacturing & utilities	0	0%	3	0%
Total	17	100%	1,570	100%

Employed Graduates by NOC Skill Type

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Shaping Post-Secondary Education

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Simon Fraser University
14.0903: Computer software engineering

SFU	
14.0903	
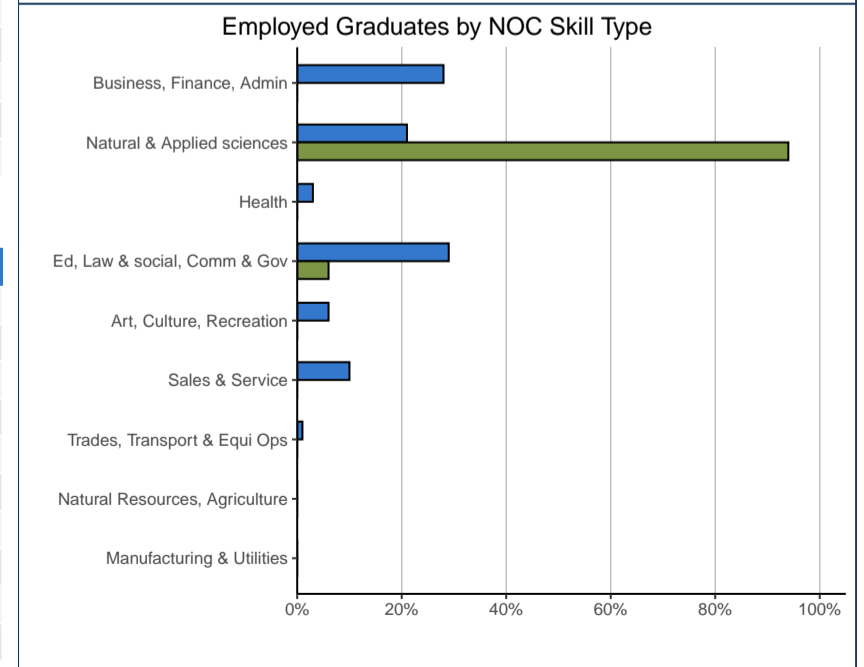
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0903		SFU	
A. University education	16	94%	945	60%
B. College education/trade apprenticeship	1	6%	452	29%
C. Secondary school + job–specific training	0	0%	159	10%
D. No formal education	0	0%	18	1%
Total	17	100%	1,574	100%
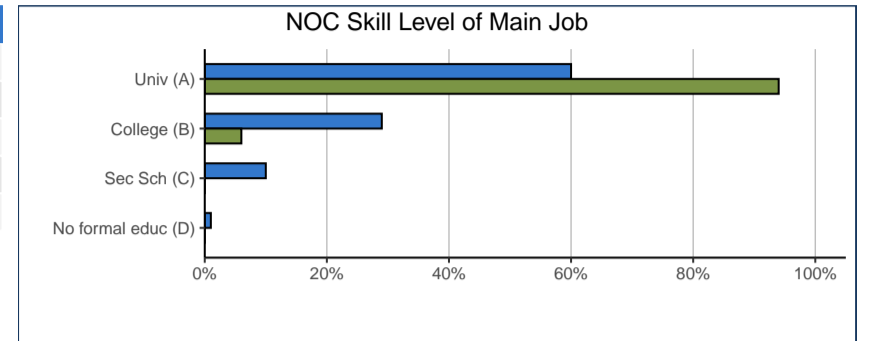
NOC Skill Level of Main Job

	14.0903				
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	47%	37%	5%	11%	19
Oral Communication	68%	16%	11%	5%	19
Reading and Comprehension	68%	21%	0%	11%	19
Group Collaboration	63%	37%	0%	0%	19
Critical Anlysis	84%	5%	11%	0%	19
Problem Resolution	68%	21%	11%	0%	19
Use of Mathematics	16%	42%	16%	26%	19
Conducting Research	37%	32%	16%	16%	19
Learning on Your Own	74%	26%	0%	0%	19
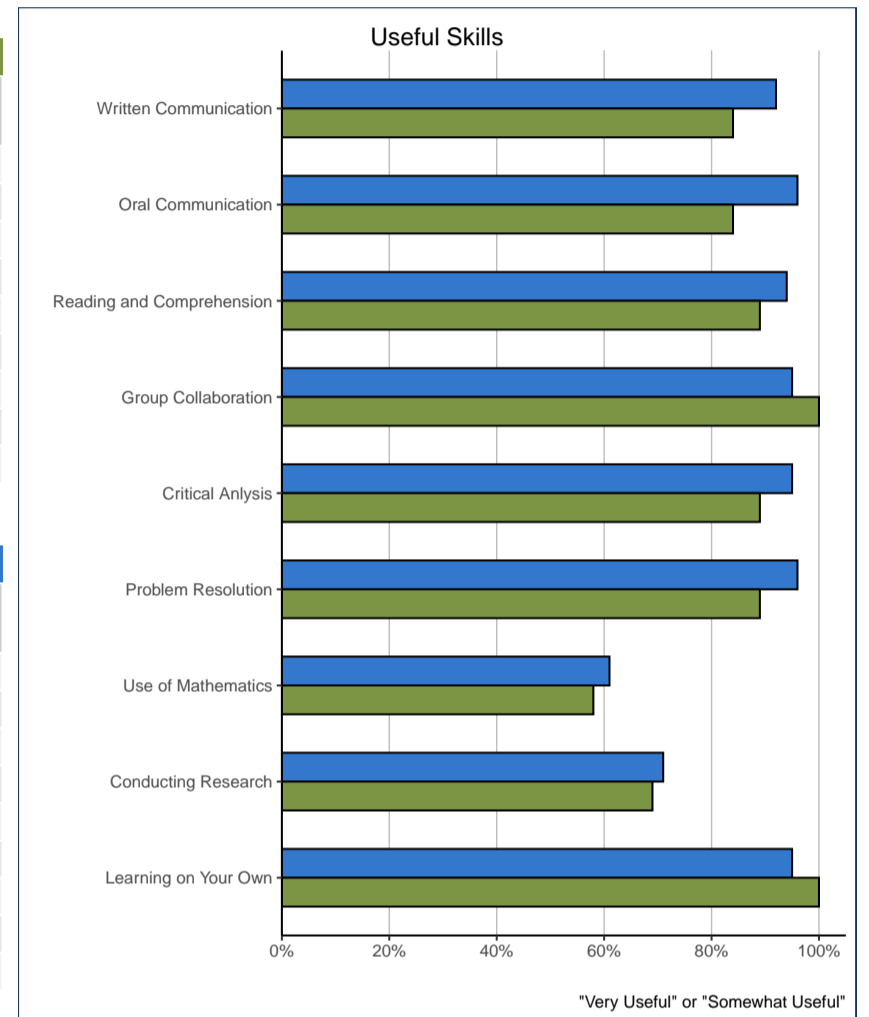
	SFU				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	63%	29%	5%	3%	1,691
Oral Communication	70%	26%	3%	1%	1,694
Reading and Comprehension	66%	28%	4%	2%	1,692
Group Collaboration	72%	23%	4%	1%	1,695
Critical Anlysis	68%	27%	4%	1%	1,696
Problem Resolution	73%	23%	3%	1%	1,694
Use of Mathematics	26%	35%	23%	15%	1,649
Conducting Research	34%	37%	17%	12%	1,668
Learning on Your Own	66%	29%	4%	2%	1,691

Useful Skills

"Very Useful" or "Somewhat Useful"

Top 10 Full–time Occupations of 14.0903 Graduates:			14.0903
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2174	A	Computer programmers and interactive media developers	37%
2173	A	Software engineers and designers	26%
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* Data not displayed where n < 5
** Percentages cited are of those employed

Top 10 Full–time Occupations of SFU Graduates:			SFU
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
4032	A	Elementary school and kindergarten teachers	6%
2173	A	Software engineers and designers	5%
XXXX	O	Unclassified occupations	5%
1123	A	Professional occupations in advertising, marketing and public relations	4%
4031	A	Secondary school teachers	4%
2174	A	Computer programmers and interactive media developers	3%
1111	A	Financial auditors and accountants	3%
1221	B	Administrative officers	3%
4212	B	Social and community service workers	2%
5241	B	Graphic designers and illustrators	2%

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

BCStudent Outcomes
Shaping Post-Secondary Education

SFU	▬
14.0903	▬

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.0903		SFU	
Personal savings, investments	4	22%	556	28%
Employment while studying	8	44%	982	50%
Family/Friends	13	72%	1,299	66%
Personal bank loans	0	0%	78	4%
Government student loans	6	33%	509	26%
Scholarships/Bursaries/Grants	3	17%	562	29%
Other	6	33%	448	23%
Total	18		1,968	

* Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0903		SFU	
Incurred any form of financial debt	7	35%	690	35%
Incurred government–sponsored student loan debt	6	30%	564	28%

* Percentage of respondents who provided data

Education Funding Sources

Financial Debt Amount:*	14.0903		SFU	
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	16	3%
$5,000 to $9,999	0	0%	44	8%
$10,000 to $14,999	1	25%	67	13%
$15,000 to $19,999	0	0%	49	9%
$20,000 to $29,999	1	25%	107	20%
$30,000 to $39,999	2	50%	85	16%
$40,000 or More	0	0%	154	30%
Total	4	100%	522	100%
Median Financial Debt ($)	30,000		25,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	14.0903		SFU	
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	16	4%
$5,000 to $9,999	0	0%	43	11%
$10,000 to $14,999	0	0%	36	9%
$15,000 to $19,999	0	0%	40	10%
$20,000 to $29,999	1	50%	85	22%
$30,000 to $39,999	1	50%	59	15%
$40,000 or More	0	0%	103	27%
Total	2	100%	382	100%
Median Gov't–Sponsored Loan Debt ($)	27,500		25,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	14.0903		SFU	
None – Loan repaid in full	2	50%	157	34%
< $1,000	0	0%	2	0%
$1,000 to $4,999	0	0%	20	4%
$5,000 to $9,999	0	0%	34	7%
$10,000 to $14,999	0	0%	30	7%
$15,000 to $19,999	0	0%	35	8%
$20,000 to $29,999	1	25%	64	14%
$30,000 to $39,999	1	25%	53	12%
$40,000 or More	0	0%	61	13%
Total	4	100%	456	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	32,000		22,500	

* 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)