B.C. Baccalaureate Outcomes
2024 Survey of 2022 Baccalaureate Graduates

Detailed Summary of Survey Results
Simon Fraser University
14.0101: Engineering, general

RESPONSE RATE

| Survey Response Rate:	14.0101		SFU	
Baccalaureate Graduates Survey Cohort	136	100%	5,128	100%
Survey Respondents and Response Rate	43	32%	1,242	24%

Response Rate
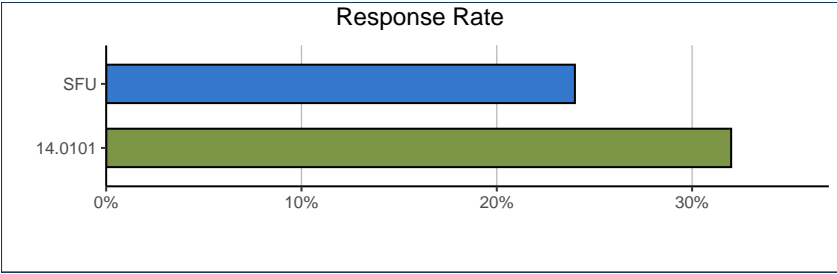
## DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	14.0101		SFU	
Disabled	~	~	153	13%
International	8	19%	229	18%
Indigenous	0	0%	21	2%

Self–Reporting Subgroups

Gender:*	14.0101		SFU	
Man/Boy	37	86%	585	47%
Woman/Girl	6	14%	653	53%
Total	43	100%	1,238	100%

*Due to zero or low counts, institution–reported "Non–Binary" demographic data are not included
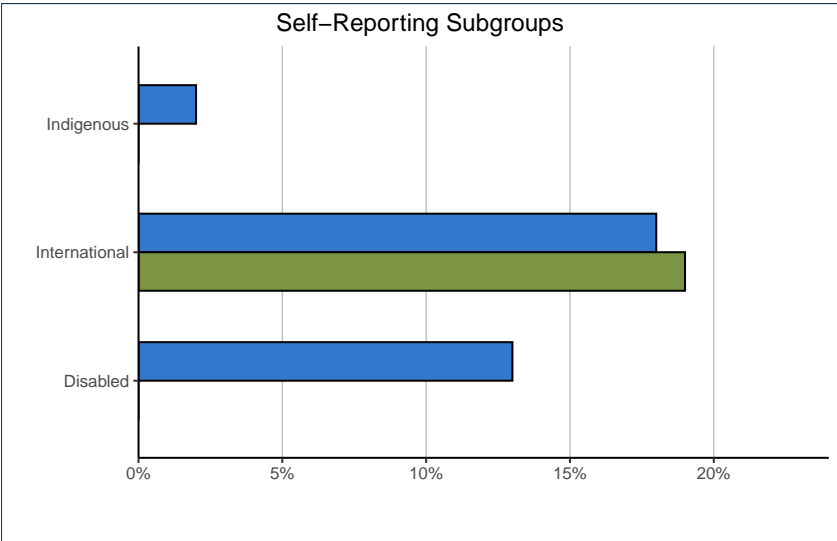
Age (at time of survey):	14.0101		SFU	
< 25	0	0%	147	12%
25 to 29	~	~	915	74%
30 to 34	~	~	102	8%
35 to 39	0	0%	32	3%
40 to 49	0	0%	~	~
50 to 64	0	0%	22	2%
> 64	0	0%	~	~
Total	43	100%	1,242	100%
Median Age	26		26	
Average (mean) Age	26		27	

Age Distribution
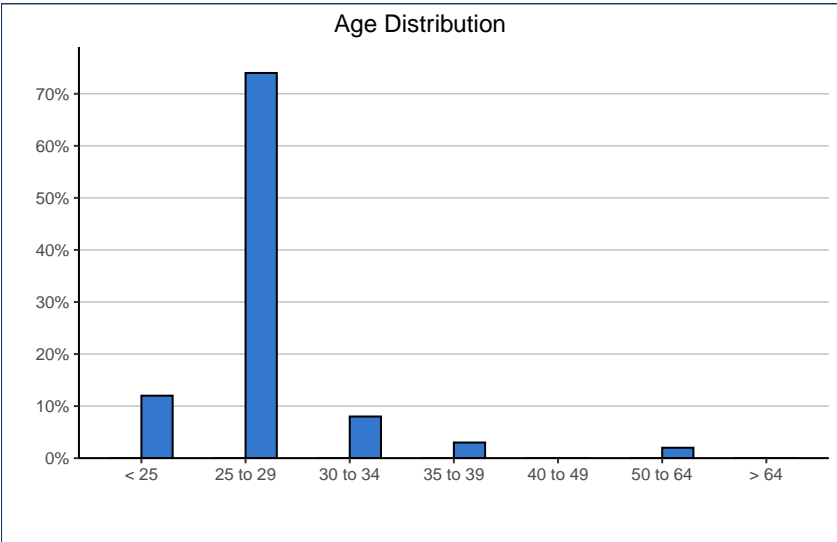
Place of Residence (at time of survey):	14.0101		SFU	
BC – Mainland/Southwest	~	~	981	90%
BC – Vancouver Island/Coast	~	~	13	1%
BC – Northern B.C.	0	0%	~	~
BC – Interior/Kootenays	0	0%	~	~
BC Subtotal	35	92%	1,009	93%
Canada – Alberta	0	0%	22	2%
Canada – Ontario	~	~	30	3%
Canada – Other	~	~	18	2%
U.S.A.	~	~	8	1%
Non–BC Subtotal	~	~	78	7%
Total	38	100%	1,087	100%

Place of Residence

Within BC

BC Student Outcomes

SFU
14.0101
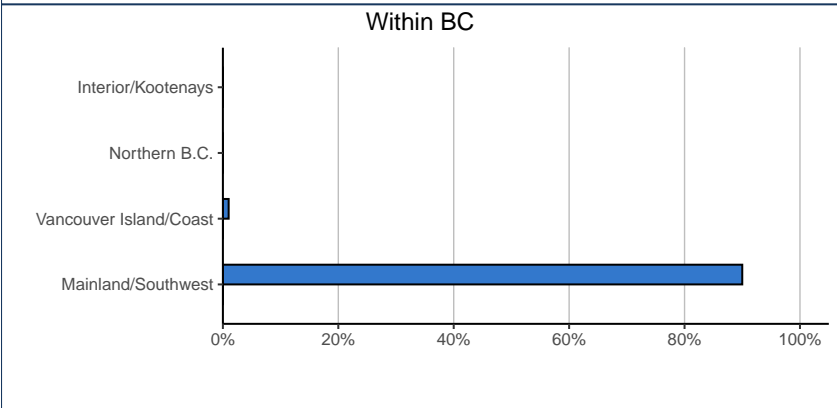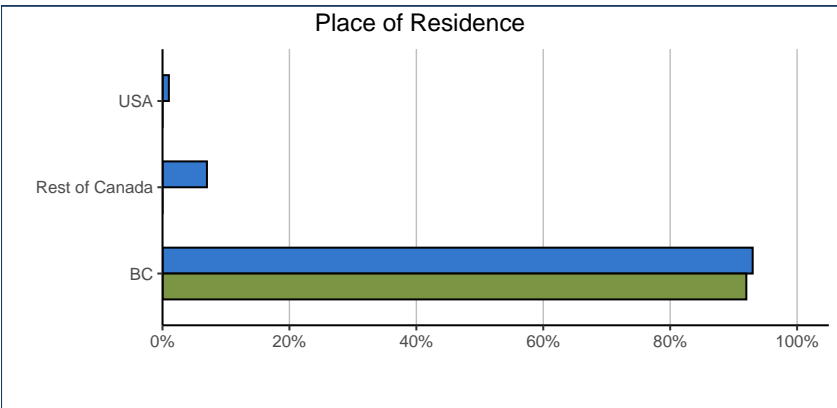
EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0101		SFU	
Very Satisfied	6	14%	285	23%
Satisfied	29	69%	791	65%
Dissatisfied	7	17%	115	9%
Very Dissatisfied	0	0%	27	2%
Total	42	100%	1,218	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0101		SFU	
Very Useful	9	24%	302	31%
Somewhat Useful	23	62%	488	50%
Not Very Useful	4	11%	128	13%
Not at All Useful	1	3%	50	5%
Total	37	100%	968	100%

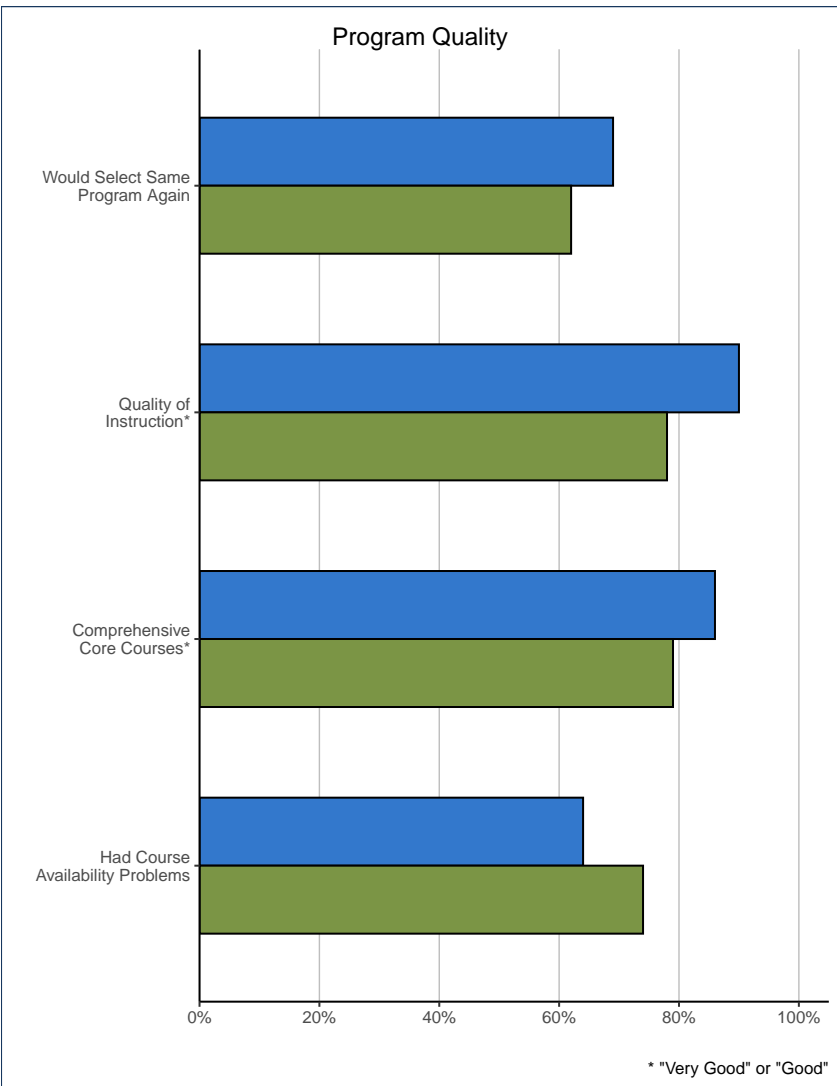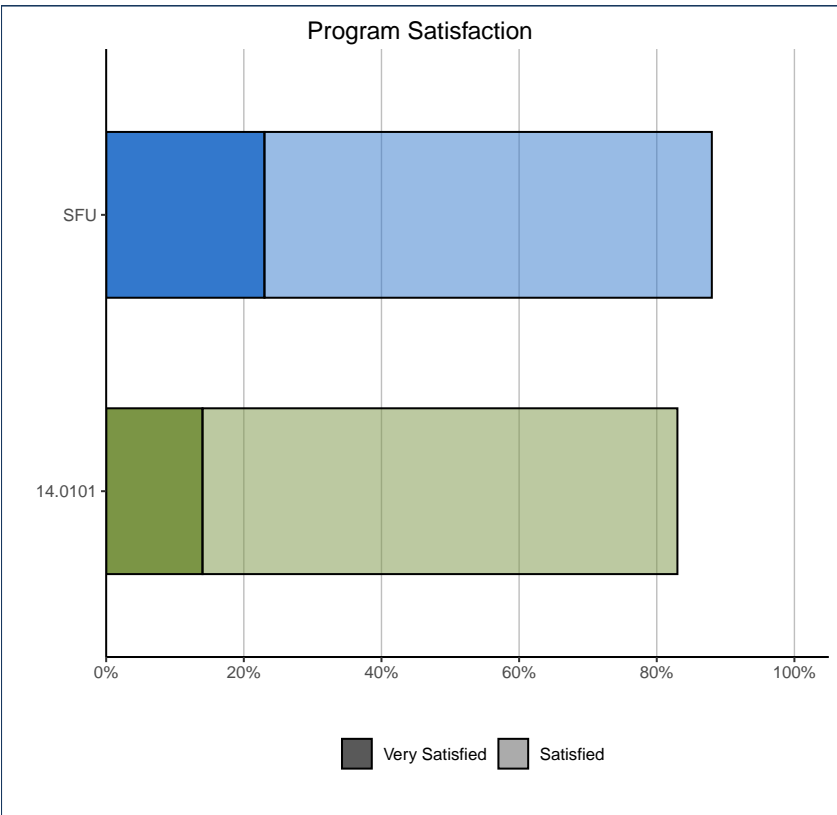| Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0101		SFU	
Yes	8	20%	97	8%
No	33	80%	1,103	92%

Would select the same program again:	14.0101		SFU	
Yes	24	62%	751	69%
No	15	38%	341	31%

Quality of Instruction:	14.0101		SFU	
Very Good	3	7%	273	22%
Good	30	71%	837	68%
Poor	9	21%	98	8%
Very Poor	0	0%	15	1%
Total	42	100%	1,223	100%

Comprehensiveness of Core Courses:	14.0101		SFU	
Very Good	4	9%	267	22%
Good	30	70%	773	64%
Poor	9	21%	147	12%
Very Poor	0	0%	29	2%
Total	43	100%	1,216	100%

Course Availability:	14.0101		SFU	
Encountered course availability problems	32	74%	777	64%

| Financial Constraints:	14.0101		SFU	
Had to interrupt studies for financial reasons	3	7%	130	11%
Had to take program part–time for financial reasons	2	5%	248	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"

BC Student Outcomes

| SFU |
| 14.0101 |

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	14.0101				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	5%	72%	21%	2%	43
Oral Communication	10%	54%	32%	5%	41
Reading and Comprehension	30%	53%	14%	2%	43
Group Collaboration	28%	60%	9%	2%	43
Critical Anlysis	47%	49%	2%	2%	43
Problem Resolution	38%	55%	5%	2%	42
Use of Mathematics	40%	56%	2%	2%	43
Conducting Research	15%	48%	35%	3%	40
Learning on Your Own	58%	28%	12%	2%	43

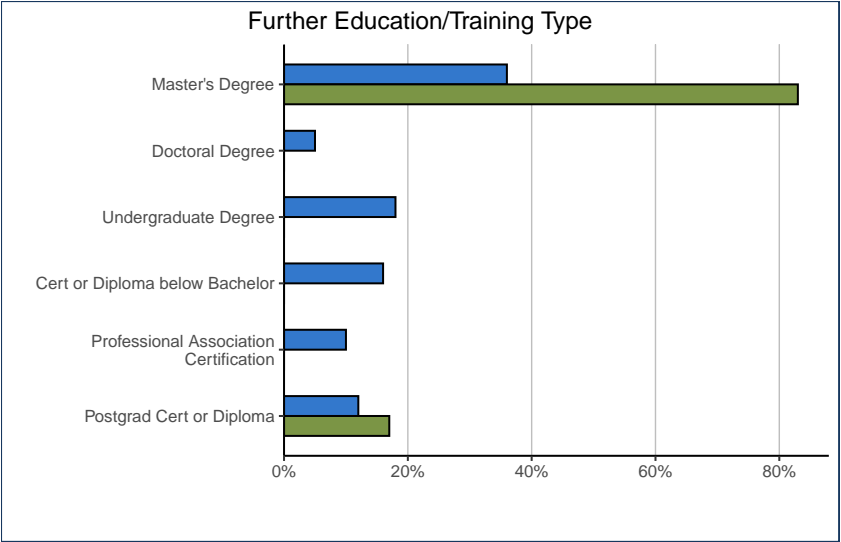| Skill Development: How helpful was institution?	SFU				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	28%	55%	15%	2%	1,206
Oral Communication	21%	57%	19%	3%	1,206
Reading and Comprehension	31%	53%	14%	2%	1,212
Group Collaboration	23%	51%	21%	4%	1,211
Critical Anlysis	39%	52%	7%	2%	1,229
Problem Resolution	23%	54%	19%	4%	1,192
Use of Mathematics	21%	45%	28%	7%	998
Conducting Research	29%	49%	18%	4%	1,149
Learning on Your Own	39%	48%	10%	3%	1,210

Helpful with Skill Development

"Very Helpful" or "Helpful"
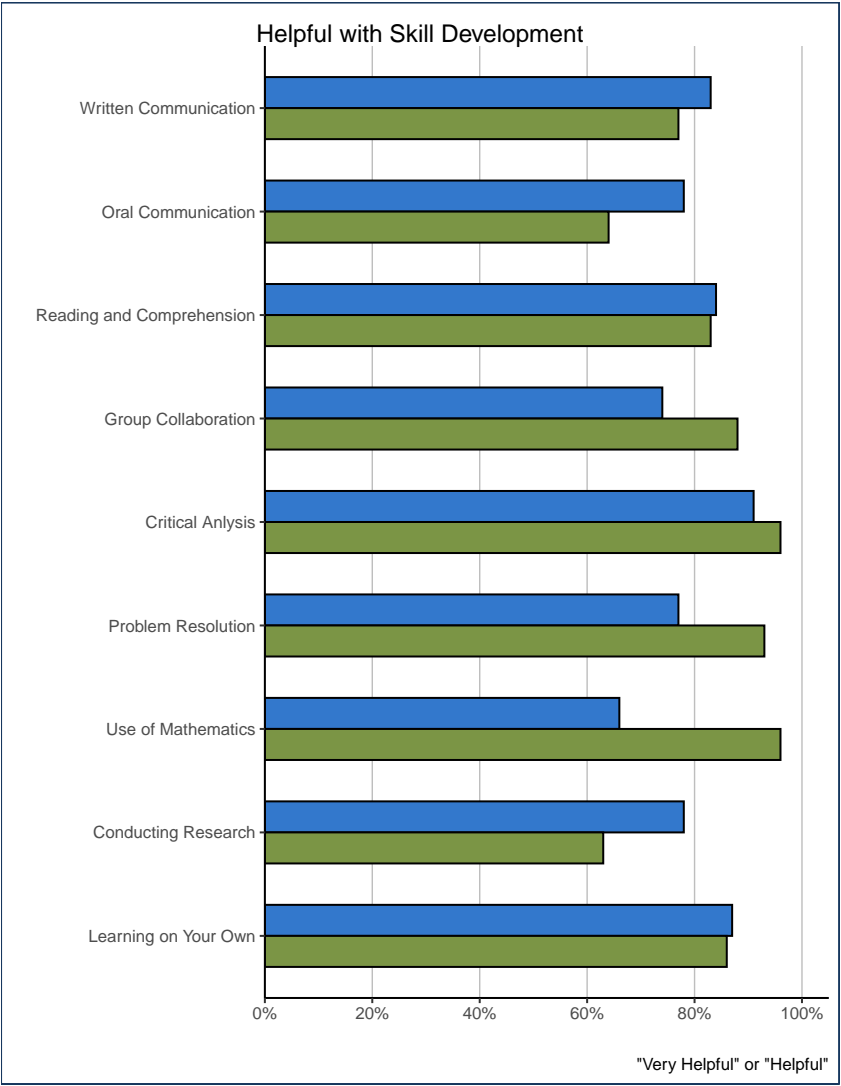
FURTHER EDUCATION

Took further education since 2022 graduation:	14.0101		SFU	
Yes	6	14%	528	43%
Not currently enrolled	0	0%	221	18%
Currently enrolled full–time	2	5%	217	18%
Currently enrolled part–time	4	9%	83	7%
No	37	86%	705	57%
Total	43	100%	1,233	100%

Have you taken further education since graduation?

- Yes – Currently enrolled part–time
- Yes – Currently enrolled full–time
- Yes – Not currently enrolled
- No
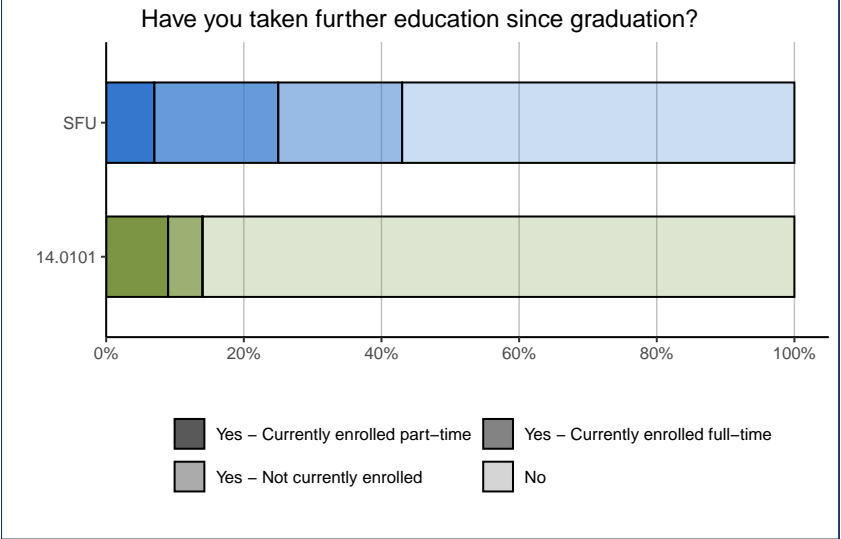
| Type of Formal Post–Secondary Education:	14.0101		SFU	
Master's Degree	5	83%	187	36%
Doctoral Degree	0	0%	26	5%
Another Undergraduate Degree	0	0%	92	18%
Certificate or Diploma below Bachelor Level	0	0%	82	16%
Professional Association Certification	0	0%	54	10%
Postgraduate Certificate or Diploma	1	17%	60	12%
Other	0	0%	19	4%
Total	6	100%	520	100%

Further Education/Training Type

BC Student Outcomes

Detailed Summary of Survey Results
Simon Fraser University
14.0101: Engineering, general

SFU	(blue)
14.0101	(green)

EMPLOYMENT

Labour Fource Status:	14.0101		SFU	
In Labour Force (working or seeking work)	41	98%	1,097	90%
Not in Labour Force	1	2%	121	10%
Total	42	100%	1,218	100%

Employment:	14.0101		SFU	
Employment Rate*	37	86%	976	79%
Unemployment Rate**	4	9.8%	121	11.0%

*Percent = Total employed divided by total number of respondents
**Percent = Total unemployed divided by total number in labour force
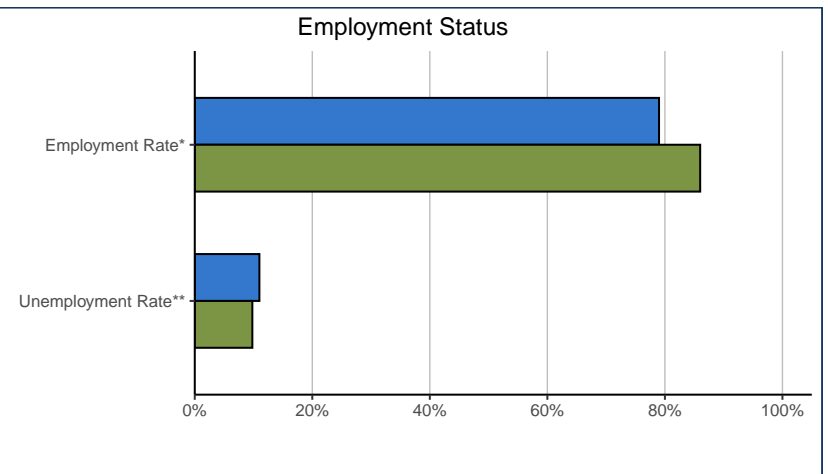
Employment Status

Status of Graduates NOT in Labour Force:	14.0101		SFU	
Attending School FT	0	0%	86	71%
Attending School PT	1	100%	5	4%
Other	0	0%	30	25%
Total NOT in Labour Force	1	100%	121	100%

Primary Employment Type:	14.0101		SFU	
Paid Worker	36	97%	916	94%
Self–Employed	1	3%	60	6%
Total	37	100%	976	100%

Job Characteristics:	14.0101		SFU	
I hold more than one job*	4	11%	175	18%
My main job is full–time (>= 30 hours per week)**	35	97%	812	88%

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

"Under–Employment" Assessment
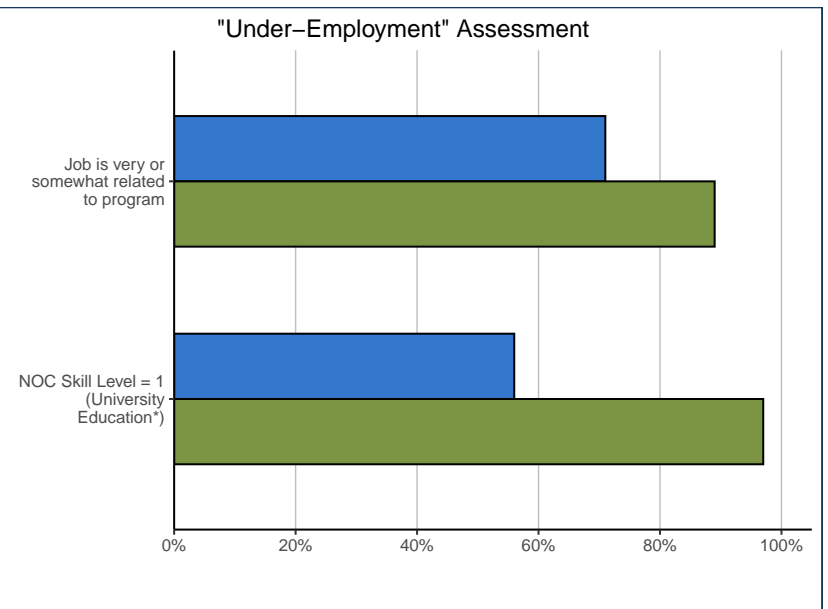
How related is your main job to your program?	14.0101		SFU	
Very Related	9	24%	339	35%
Somewhat Related	24	65%	347	36%
Not Very Related	3	8%	137	14%
Not at All Related	1	3%	150	15%
Total	37	100%	973	100%

| "Under–Employment" Assessment:	14.0101		SFU	
Job is very or somewhat related to program	33	89%	686	71%
NOC Skill Level = 1 (University Education)*	34	97%	504	56%

*Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	14.0101		SFU	
Less than $20,000	0	0%	32	5%
$20,000 to $39,999	~	~	78	11%
$40,000 to $59,999	~	~	146	21%
$60,000 to $79,999	9	36%	237	34%
$80,000 to $99,999	~	~	88	13%
$100,000 and Above	~	~	111	16%
Total	25	100%	692	100%
Median Annual Income (full–time) ($)	79,810		70,000	
Average Annual Income (full–time) ($)	95,010		76,884	

*Where data provided

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

NOC Skill Type of Main Job (NOC 2021):	14.0101		SFU	
Legislative and senior management	0	0%	5	1%
Business, finance & administration	0	0%	233	26%
Natural & applied sciences & related	33	94%	203	23%
Health	0	0%	32	4%
Education, law and social, community & government	1	3%	260	29%
Art, culture, recreation & sport	0	0%	53	6%
Sales & service	1	3%	91	10%
Trades, transport & equipment operators & related	0	0%	13	1%
Natural resources, agriculture & related production	0	0%	2	0%
Manufacturing & utilities	0	0%	2	0%
Total	35	100%	894	100%

Employed Graduates by NOC Skill Type

	SFU
14.0101	
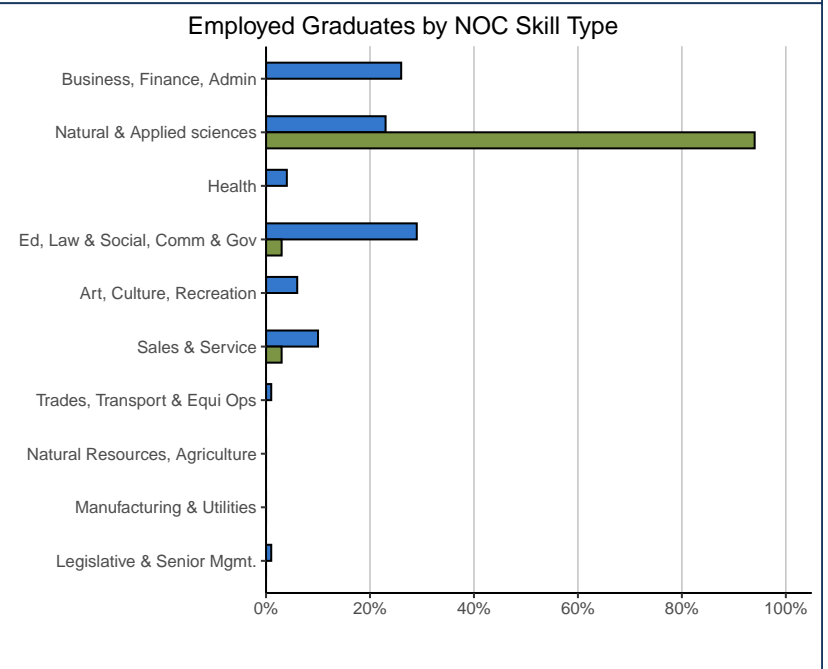
EMPLOYMENT, continued
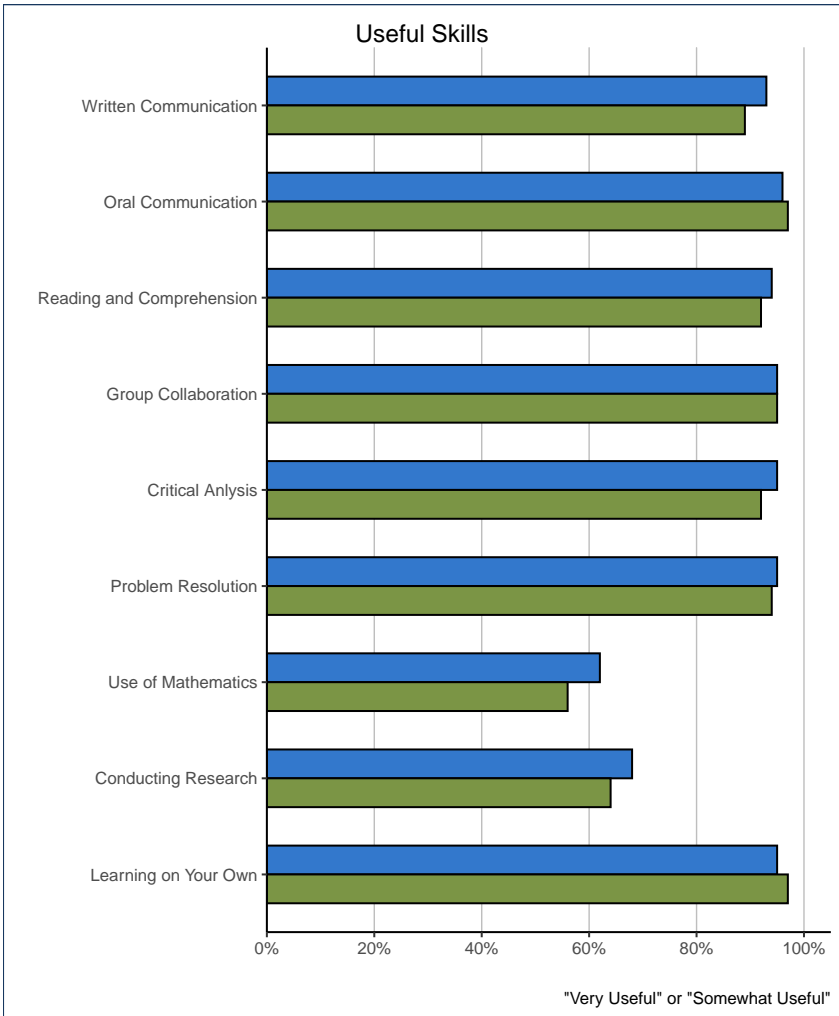
NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.0101		SFU	
0. Management	0	0%	61	7%
1. University education	34	97%	504	56%
2. College education/trade apprenticeship (2+ years)	0	0%	126	14%
3. College education/trade apprenticeship (<2 years)	0	0%	100	11%
4. Secondary school + job–specific training	0	0%	76	9%
5. No formal education	1	3%	27	3%
Total	35	100%	894	100%
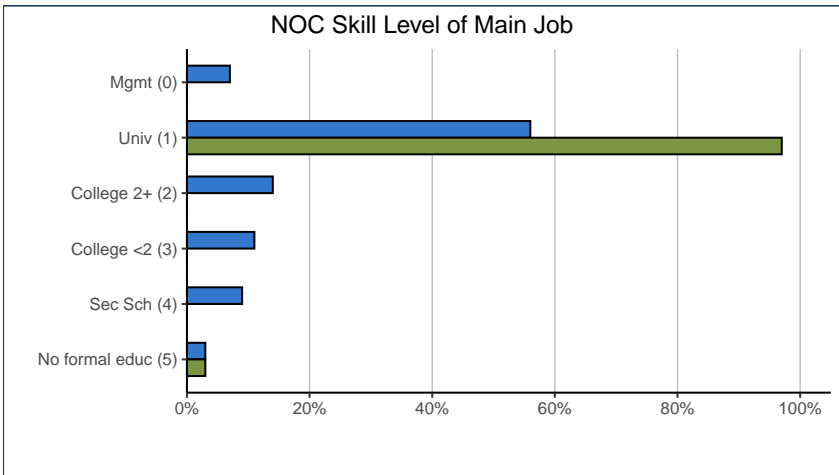
NOC Skill Level of Main Job

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.
	14.0101				
Written Communication	46%	43%	8%	3%	37
Oral Communication	65%	32%	0%	3%	37
Reading and Comprehension	76%	16%	8%	0%	37
Group Collaboration	57%	38%	5%	0%	37
Critical Anlysis	73%	19%	5%	3%	37
Problem Resolution	70%	24%	5%	0%	37
Use of Mathematics	5%	51%	30%	14%	37
Conducting Research	28%	36%	28%	8%	36
Learning on Your Own	81%	16%	0%	3%	37

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.
	SFU				
Written Communication	65%	28%	5%	2%	972
Oral Communication	72%	24%	3%	2%	971
Reading and Comprehension	68%	26%	5%	2%	970
Group Collaboration	73%	22%	3%	2%	970
Critical Anlysis	71%	24%	4%	2%	970
Problem Resolution	73%	22%	4%	1%	969
Use of Mathematics	26%	36%	22%	16%	951
Conducting Research	34%	34%	19%	13%	961
Learning on Your Own	64%	31%	3%	2%	968

Useful Skills

"Very Useful" or "Somewhat Useful"

Top 10 Full–Time Occupations of 14.0101 Graduates*:			14.0101
NOC_2021	**NOC Skill Level**	**Description**	**% Employed FT in this Occ.****
21231	1	Software engineers and designers	41%
21232	1	Software developers and programmers	19%
*			
*			
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* Data not displayed where n < 5; NOC 2021
** Percentages cited are of those employed

Top 10 Full–Time Occupations of SFU Graduates*:			SFU
NOC_2021	**NOC Skill Level**	**Description**	**% Employed FT in this Occ.****
XXXXX	X	Unclassified occupations	7%
21231	1	Software engineers and designers	6%
41221	1	Elementary school and kindergarten teachers	5%
41220	1	Secondary school teachers	4%
21232	1	Software developers and programmers	3%
11202	1	Professional occupations in advertising, marketing and public relations	3%
42201	2	Social and community service workers	2%
11100	1	Financial auditors and accountants	2%
13110	3	Administrative assistants	2%
11200	1	Human resources professionals	2%

* Data not displayed where n < 5; NOC 2021
** Percentages cited are of those employed

BC Student Outcomes

Detailed Summary of Survey Results
Simon Fraser University
14.0101: Engineering, general

| SFU |
| 14.0101 |

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.0101		SFU	
Personal savings, investments	8	19%	340	28%
Employment while studying	20	48%	622	51%
Family/Friends	31	74%	786	65%
Personal bank loans	0	0%	41	3%
Government student loans	11	26%	345	29%
Scholarships/Bursaries/Grants	12	29%	348	29%
Other	29	69%	280	23%
Total	42		1,208	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	14.0101		SFU	
Incurred any form of financial debt	15	35%	440	36%
Incurred government–sponsored student loan debt	12	28%	386	31%

* Percentage of respondents who provided data

Financial Debt Amount:*	14.0101		SFU	
< $1,000	0	0%	1	0%
$1,000 to $4,999	0	0%	10	3%
$5,000 to $9,999	0	0%	30	9%
$10,000 to $14,999	1	8%	30	9%
$15,000 to $19,999	0	0%	23	7%
$20,000 to $29,999	4	33%	64	20%
$30,000 to $39,999	2	17%	67	21%
$40,000 or More	5	42%	93	29%
Total	12	100%	318	100%
Median Financial Debt ($)	31,500		30,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	14.0101		SFU	
< $1,000	0	0%	1	0%
$1,000 to $4,999	0	0%	6	2%
$5,000 to $9,999	0	0%	23	10%
$10,000 to $14,999	0	0%	25	10%
$15,000 to $19,999	1	13%	24	10%
$20,000 to $29,999	2	25%	41	17%
$30,000 to $39,999	1	13%	58	24%
$40,000 or More	4	50%	63	26%
Total	8	100%	241	100%
Median Gov't–Sponsored Loan Debt ($)	35,000		30,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	14.0101		SFU	
None – Loan repaid in full	3	30%	88	29%
< $1,000	0	0%	0	0%
$1,000 to $4,999	0	0%	10	3%
$5,000 to $9,999	0	0%	21	7%
$10,000 to $14,999	0	0%	23	8%
$15,000 to $19,999	2	20%	38	13%
$20,000 to $29,999	1	10%	40	13%
$30,000 to $39,999	1	10%	44	15%
$40,000 or More	3	30%	35	12%
Total	10	100%	299	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	35,000		22,000	

* 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)