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

Detailed Summary of Survey Results
Simon Fraser University
11.0701: Computer science

BCStudentOutcomes
Shaping Post-Secondary Education

SFU	(blue)
11.0701	(green)

RESPONSE RATE

Survey Response Rate:	11.0701		SFU	
Baccalaureate Graduates Survey Cohort	298	100%	5,252	100%
Survey Respondents and Response Rate	137	46%	2,037	39%

Response Rate
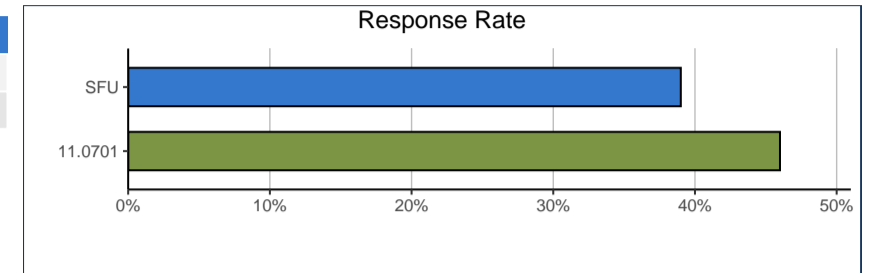
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	11.0701		SFU	
Disabled	17	13%	202	10%
International	43	31%	376	18%
Aboriginal	0	0%	40	2%

Self–Reporting Subgroups
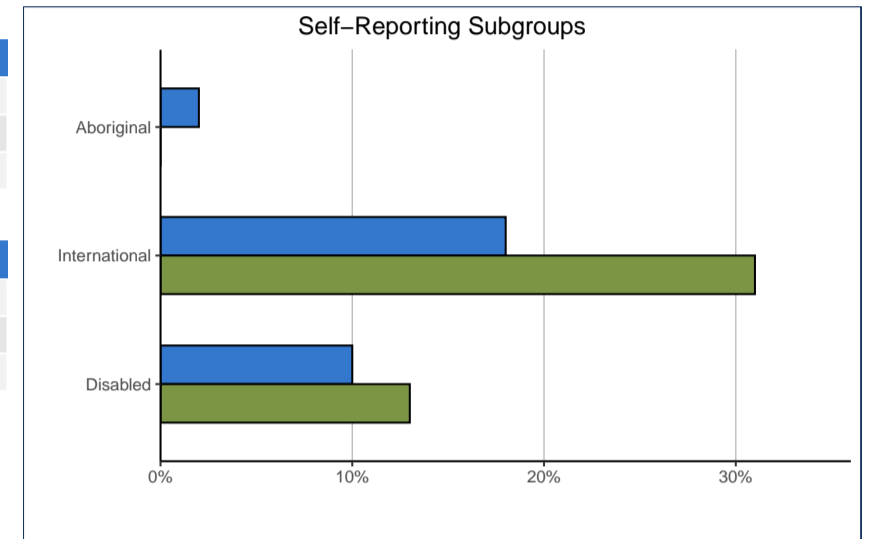
Gender:*	11.0701		SFU	
Male	117	85%	882	43%
Female	20	15%	1,155	57%
Total	137	100%	2,037	100%

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

Age (at time of survey):	11.0701		SFU	
< 25	~	~	209	10%
25 to 29	102	74%	1,527	75%
30 to 34	23	17%	171	8%
35 to 39	~	~	49	2%
40 to 49	~	~	60	3%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	137	100%	2,037	100%
Median Age	27		26	
Average (mean) Age	28		27	

Age Distribution
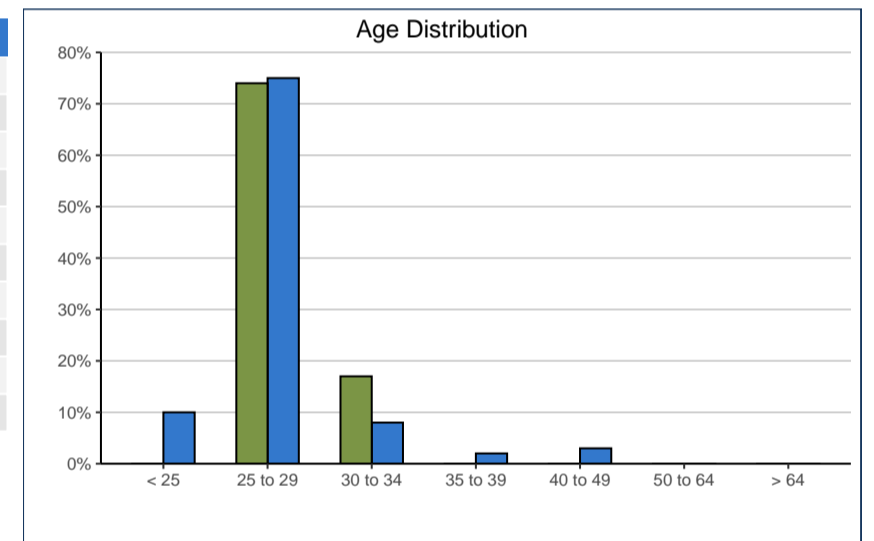
Place of Residence (at time of survey):	11.0701		SFU	
BC – Mainland/Southwest	~	~	1,659	90%
BC – Vancouver Island/Coast	~	~	42	2%
BC – Northern B.C.	0	0%	22	1%
BC – Interior/Kootenays	0	0%	24	1%
BC Subtotal	115	93%	1,747	95%
Canada – Alberta	~	~	21	1%
Canada – Ontario	~	~	40	2%
Canada – Other	0	0%	15	1%
U.S.A.	~	~	14	1%
Non–BC Subtotal	8	7%	90	5%
Total	123	100%	1,837	100%

Place of Residence

Within BC
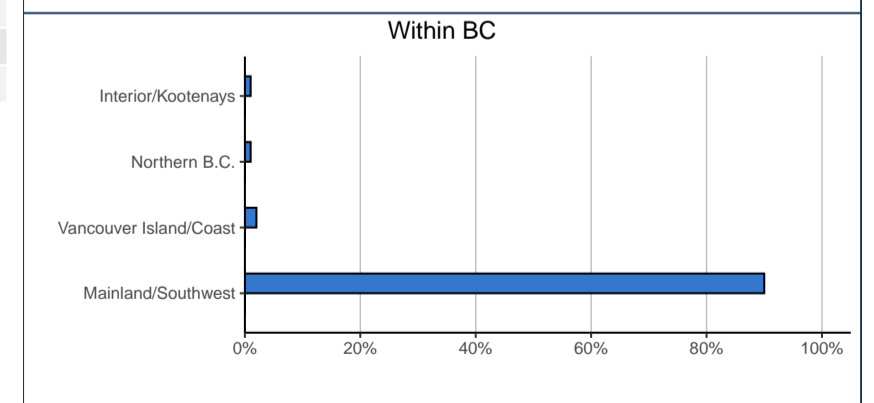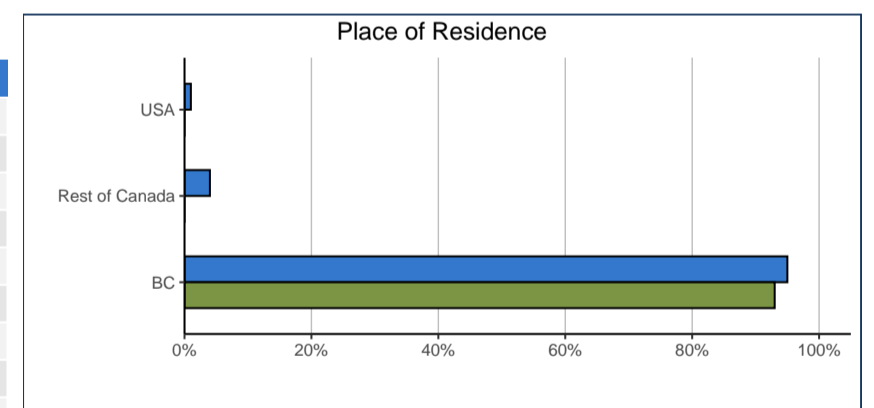
EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	11.0701		SFU	
Very Satisfied	22	16%	405	20%
Satisfied	90	67%	1,336	67%
Dissatisfied	15	11%	199	10%
Very Dissatisfied	7	5%	44	2%
Total	134	100%	1,984	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	11.0701		SFU	
Very Useful	50	41%	534	31%
Somewhat Useful	58	47%	867	51%
Not Very Useful	11	9%	225	13%
Not at All Useful	4	3%	72	4%
Total	123	100%	1,698	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	11.0701		SFU	
Yes	13	10%	163	8%
No	119	90%	1,823	92%

Would select the same program again:	11.0701		SFU	
Yes	105	83%	1,232	70%
No	21	17%	531	30%

Quality of Instruction:	11.0701		SFU	
Very Good	20	15%	440	22%
Good	95	71%	1,384	69%
Poor	17	13%	161	8%
Very Poor	2	1%	23	1%
Total	134	100%	2,008	100%

Comprehensiveness of Core Courses:	11.0701		SFU	
Very Good	28	21%	459	23%
Good	89	66%	1,245	63%
Poor	16	12%	233	12%
Very Poor	2	1%	38	2%
Total	135	100%	1,975	100%

Course Availability:	11.0701		SFU	
Encountered course availability problems	103	78%	1,279	64%

| Financial Constraints:	11.0701		SFU	
Had to interrupt studies for financial reasons	14	10%	246	12%
Had to take program part–time for financial reasons	25	18%	410	20%

Program Satisfaction

Very Satisfied   Satisfied

Program Quality

* "Very Good" or "Good"

BCStudent Outcomes
Shaping Post-Secondary Education

Detailed Summary of Survey Results
Simon Fraser University
11.0701: Computer science
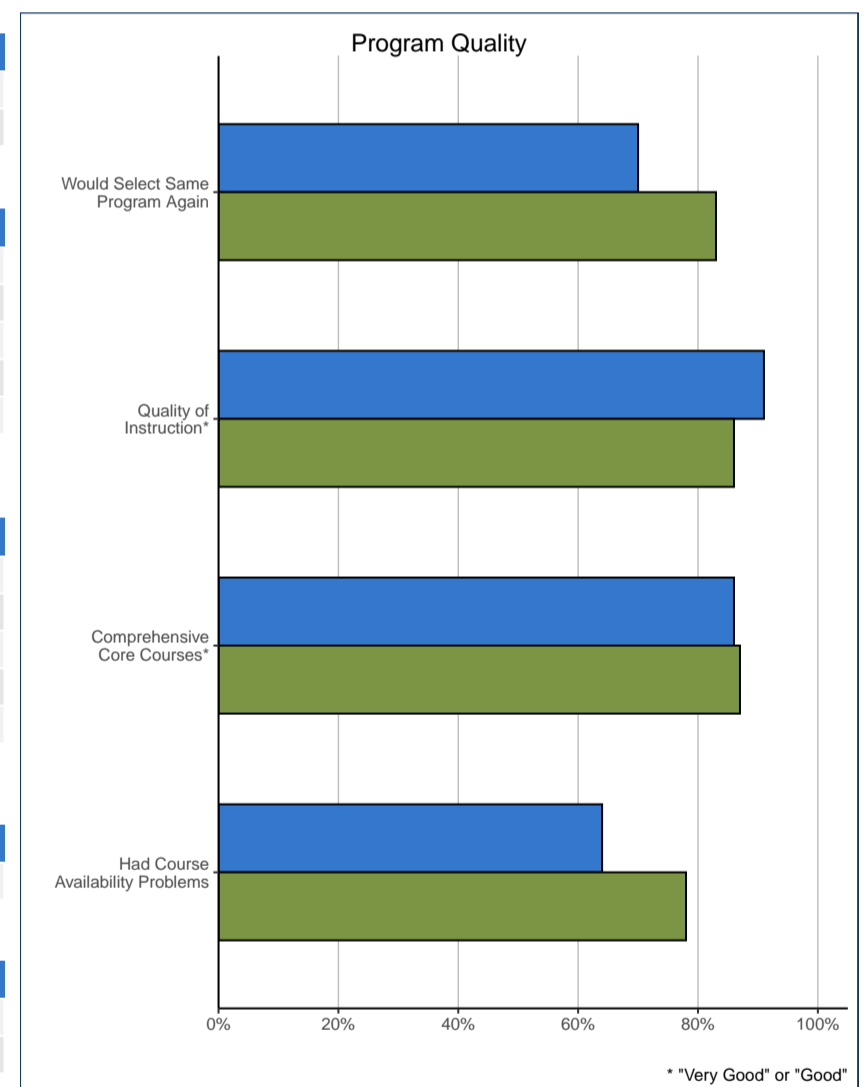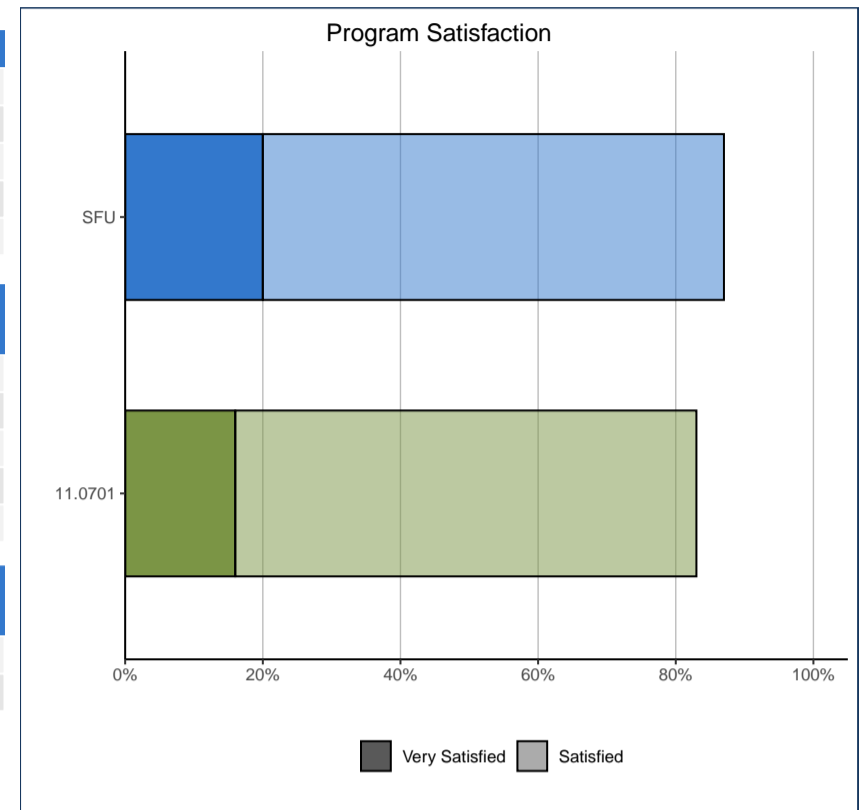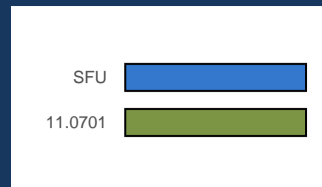
SFU
11.0701

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	11.0701				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	18%	58%	22%	2%	125
Oral Communication	11%	54%	27%	7%	124
Reading and Comprehension	22%	61%	16%	2%	132
Group Collaboration	20%	54%	20%	5%	133
Critical Anlysis	32%	55%	10%	3%	133
Problem Resolution	27%	60%	11%	2%	132
Use of Mathematics	36%	54%	9%	1%	135
Conducting Research	20%	47%	29%	5%	126
Learning on Your Own	43%	43%	13%	2%	133

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"
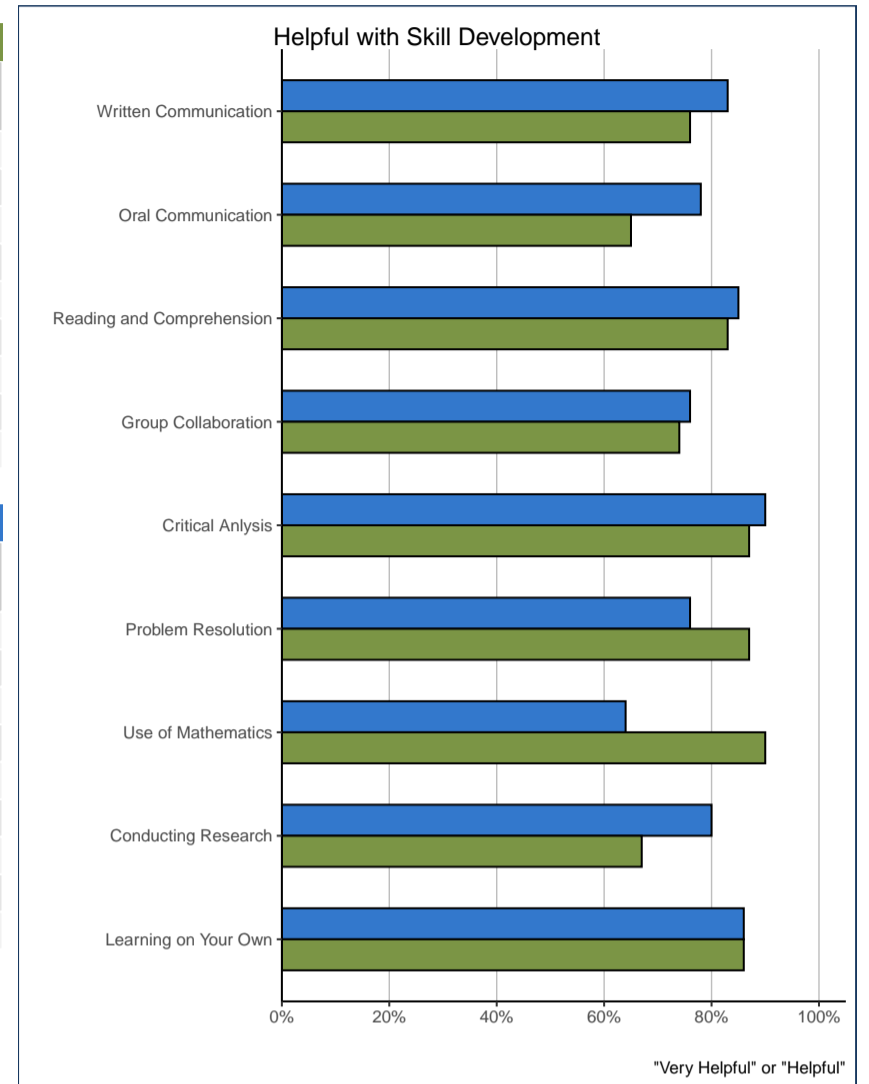
FURTHER EDUCATION

Took further education since 2020 graduation:	11.0701		SFU	
Yes	20	15%	893	44%
Not currently enrolled	12	9%	395	19%
Currently enrolled full–time	6	4%	329	16%
Currently enrolled part–time	2	1%	158	8%
No	117	85%	1,133	56%
Total	137	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
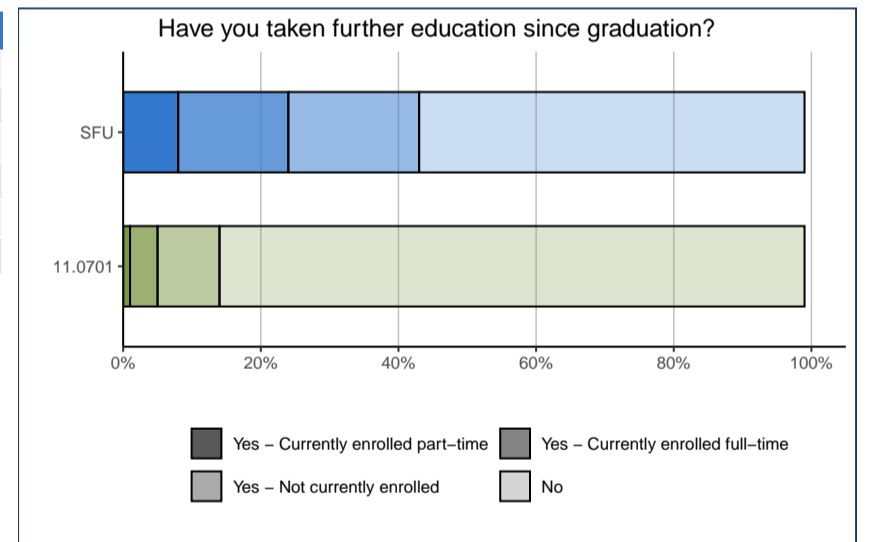
Type of Formal Post–Secondary Education:	11.0701		SFU	
Masters Degree	11	55%	229	26%
Doctoral Degree	1	5%	29	3%
Another Undergraduate Degree	1	5%	188	21%
Certificate or Diploma below Bachelor level	5	25%	136	15%
Professional Association Certification	1	5%	133	15%
Postgraduate Certificate or Diploma	1	5%	119	14%
Other	0	0%	44	5%
Total	20	100%	878	100%

Further Education/Training Type

SFU	
11.0701	
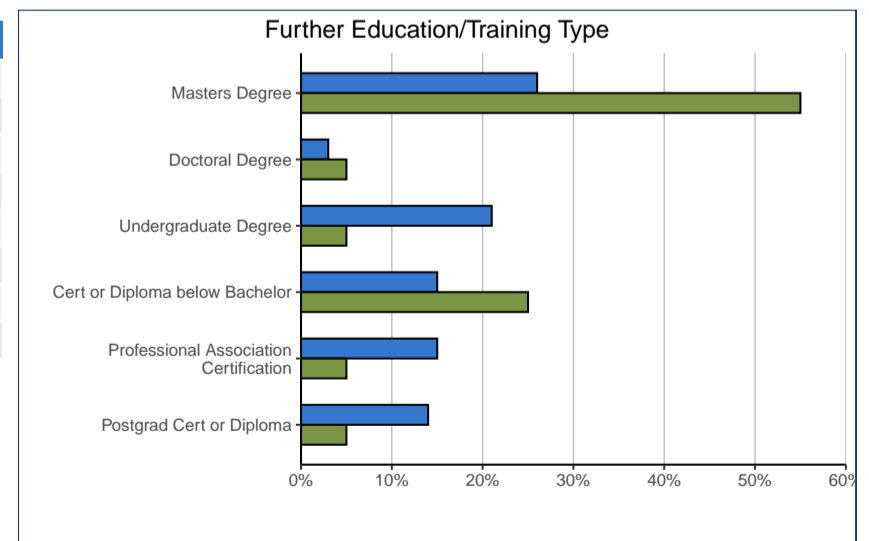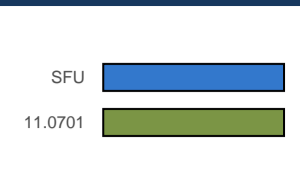
EMPLOYMENT

Labour Fource Status:	11.0701		SFU	
In Labour Force (working or seeking work)	128	95%	1,830	92%
Not in Labour Force	7	5%	168	8%
Total	135	100%	1,998	100%

Employment:	11.0701		SFU	
Employment Rate*	124	91%	1,708	84%
Unemployment Rate**	4	3.1%	122	6.7%

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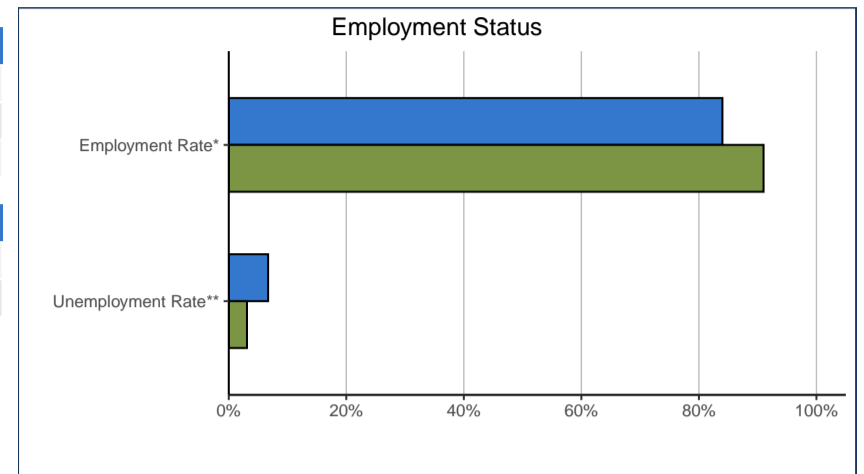
Employment Status

Status of Graduates NOT in Labour Force:	11.0701		SFU	
Attending School FT	1	14%	103	61%
Attending School PT	0	0%	8	5%
Other	6	86%	57	34%
Total NOT in Labour Force	7	100%	168	100%

Primary Employment Type:	11.0701		SFU	
Paid worker	122	98%	1,608	94%
Self–employed	2	2%	96	6%
Total	124	100%	1,704	100%

Job Characteristics:	11.0701		SFU	
I hold more than one job*	5	4%	301	18%
My main job is full–time (>= 30 hours per week)**	117	98%	1,432	89%

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

"Under–Employment" Assessment
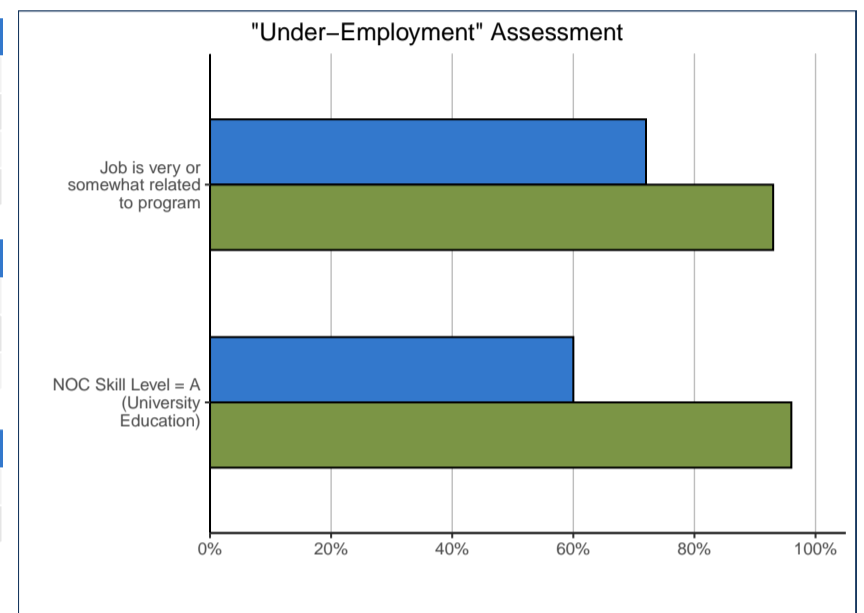
How related is your main job to your program?	11.0701		SFU	
Very Related	74	60%	624	37%
Somewhat Related	41	33%	605	35%
Not Very Related	6	5%	245	14%
Not at All Related	2	2%	231	14%
Total	123	100%	1,705	100%

"Under–employment" Assessment:	11.0701		SFU	
Job is very or somewhat related to program	115	93%	1,229	72%
NOC Skill Level = A (University Education)*	111	96%	945	60%

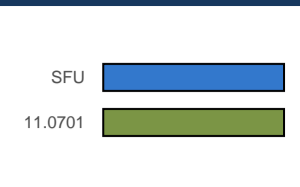*Of total valid responses

Gross Annual Income from Main Job:*	11.0701		SFU	
Less than $20,000	~	~	68	6%
$20,000 to $39,999	~	~	161	13%
$40,000 to $59,999	~	~	413	34%
$60,000 to $79,999	20	24%	351	29%
$80,000 to $99,999	16	19%	107	9%
$100,000 and Above	40	47%	108	9%
Total	85	100%	1,208	100%
Median Annual Income (full–time) ($)	99,000		60,000	
Average Annual Income (full–time) ($)	111,015		66,030	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
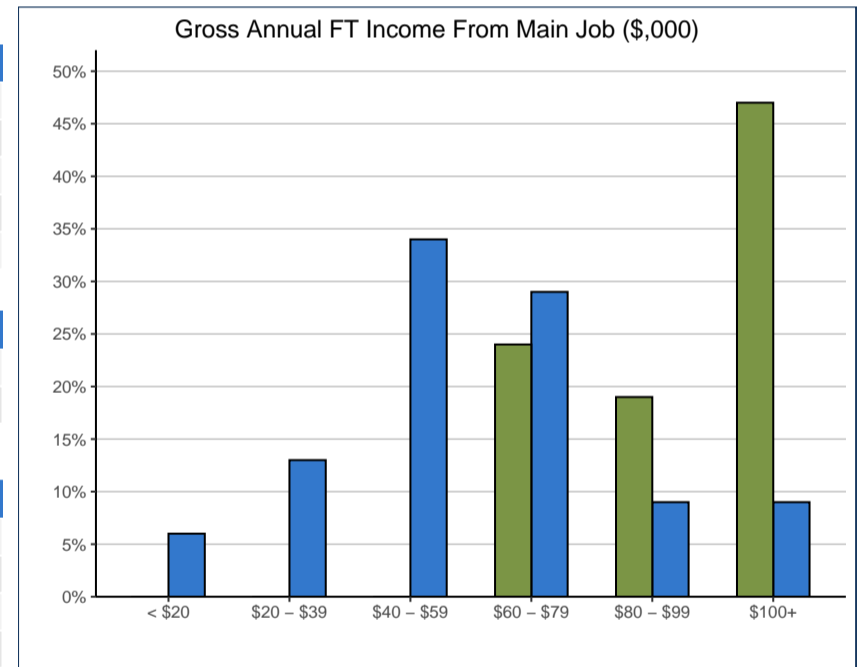
NOC Skill Type of Main Job:	11.0701		SFU	
Business, finance & administration	2	2%	446	28%
Natural & applied sciences & related	110	95%	331	21%
Health	0	0%	52	3%
Education, law and social, community & government	2	2%	460	29%
Art, culture, recreation & sport	1	1%	100	6%
Sales & service	1	1%	162	10%
Trades, transport & equipment operators & related	0	0%	13	1%
Natural resources, agriculture & related production	0	0%	3	0%
Manufacturing & utilities	0	0%	3	0%
Total	116	100%	1,570	100%

Employed Graduates by NOC Skill Type

BCStudent Outcomes
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Simon Fraser University
11.0701: Computer science

SFU
11.0701
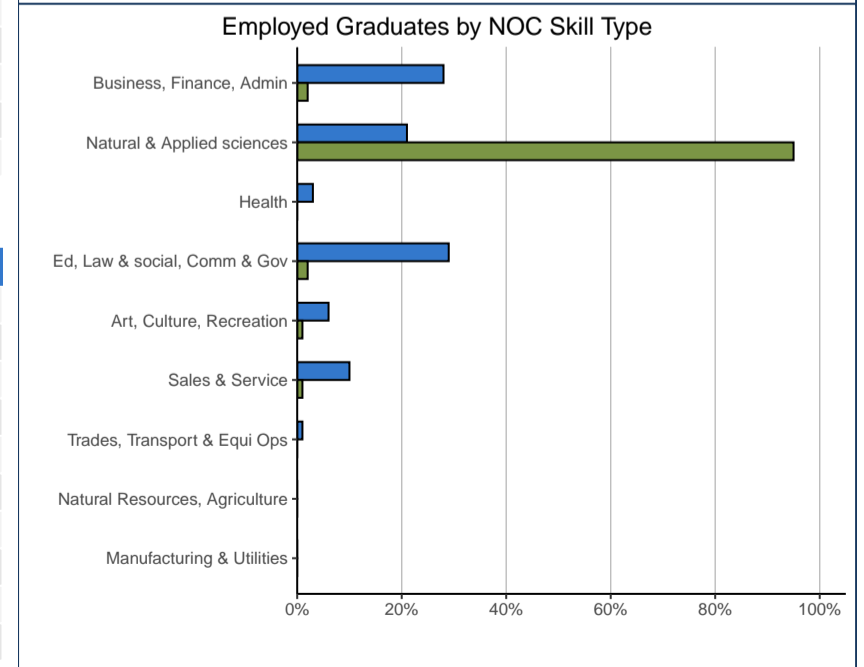
EMPLOYMENT, continued

NOC Skill Level of Main Job:	11.0701		SFU	
A. University education	111	96%	945	60%
B. College education/trade apprenticeship	4	3%	452	29%
C. Secondary school + job–specific training	1	1%	159	10%
D. No formal education	0	0%	18	1%
Total	116	100%	1,574	100%
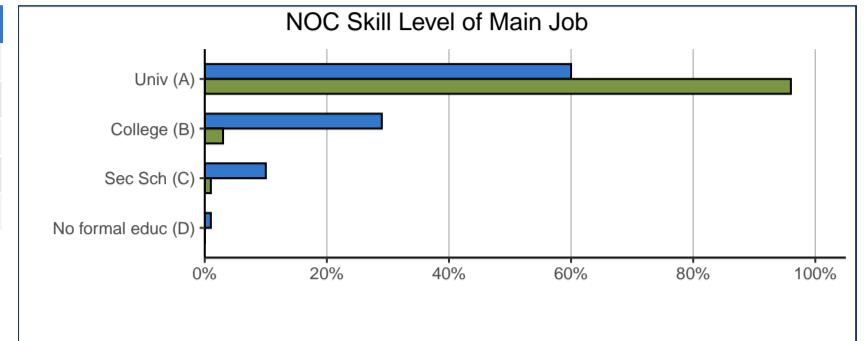
NOC Skill Level of Main Job

	11.0701				
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	58%	37%	4%	1%	123
Oral Communication	70%	28%	2%	0%	123
Reading and Comprehension	64%	33%	3%	0%	122
Group Collaboration	68%	29%	2%	0%	123
Critical Anlysis	70%	28%	2%	1%	123
Problem Resolution	82%	17%	1%	0%	123
Use of Mathematics	20%	44%	29%	7%	121
Conducting Research	30%	46%	16%	8%	122
Learning on Your Own	74%	23%	2%	1%	123
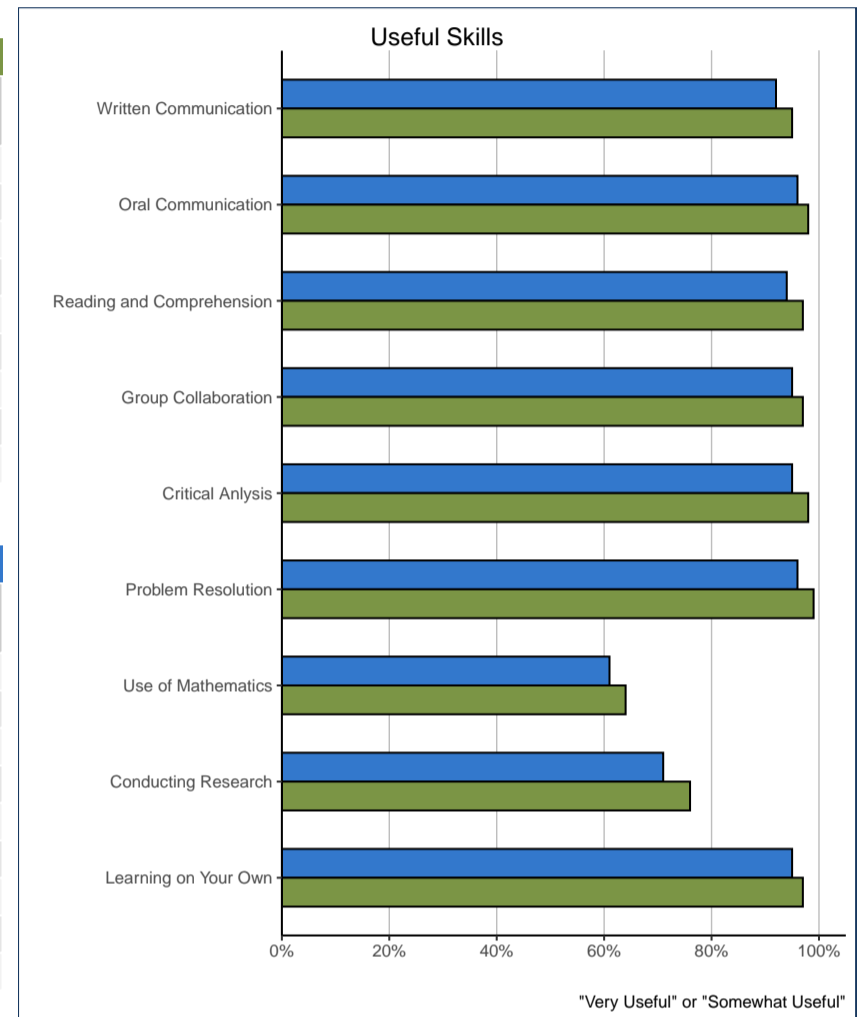
	SFU				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	63%	29%	5%	3%	1,691
Oral Communication	70%	26%	3%	1%	1,694
Reading and Comprehension	66%	28%	4%	2%	1,692
Group Collaboration	72%	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 11.0701 Graduates:			11.0701
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	46%
2174	A	Computer programmers and interactive media developers	27%
XXXX	O	Unclassified occupations	6%
2171	A	Information systems analysts and consultants	4%
*			
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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
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	SFU
11.0701	

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	11.0701		SFU	
Personal savings, investments	39	30%	556	28%
Employment while studying	43	33%	982	50%
Family/Friends	96	73%	1,299	66%
Personal bank loans	5	4%	78	4%
Government student loans	31	23%	509	26%
Scholarships/Bursaries/Grants	34	26%	562	29%
Other	62	47%	448	23%
Total	132		1,968	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	11.0701		SFU	
Incurred any form of financial debt	40	30%	690	35%
Incurred government–sponsored student loan debt	34	25%	564	28%

* Percentage of respondents who provided data

Financial Debt Amount:*	11.0701		SFU	
< $1,000	0	0%	0	0%
$1,000 to $4,999	1	3%	16	3%
$5,000 to $9,999	3	9%	44	8%
$10,000 to $14,999	2	6%	67	13%
$15,000 to $19,999	3	9%	49	9%
$20,000 to $29,999	6	19%	107	20%
$30,000 to $39,999	7	22%	85	16%
$40,000 or More	10	31%	154	30%
Total	32	100%	522	100%
Median Financial Debt ($)	30,000		25,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	11.0701		SFU	
< $1,000	0	0%	0	0%
$1,000 to $4,999	2	7%	16	4%
$5,000 to $9,999	4	15%	43	11%
$10,000 to $14,999	1	4%	36	9%
$15,000 to $19,999	4	15%	40	10%
$20,000 to $29,999	6	22%	85	22%
$30,000 to $39,999	5	19%	59	15%
$40,000 or More	5	19%	103	27%
Total	27	100%	382	100%
Median Gov't–Sponsored Loan Debt ($)	25,000		25,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	11.0701		SFU	
None – Loan repaid in full	15	52%	157	34%
< $1,000	0	0%	2	0%
$1,000 to $4,999	2	7%	20	4%
$5,000 to $9,999	2	7%	34	7%
$10,000 to $14,999	2	7%	30	7%
$15,000 to $19,999	2	7%	35	8%
$20,000 to $29,999	4	14%	64	14%
$30,000 to $39,999	1	3%	53	12%
$40,000 or More	1	3%	61	13%
Total	29	100%	456	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	17,827		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)