

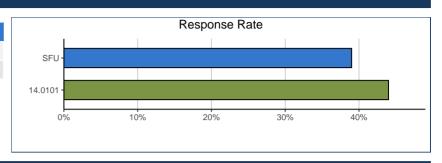
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

14.0101

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

RESPONSE RATE

Survey Response Rate:	14.0101		SFU	
Baccalaureate Graduates Survey Cohort	109	100%	5,252	100%
Survey Respondents and Response Rate	48	44%	2,037	39%

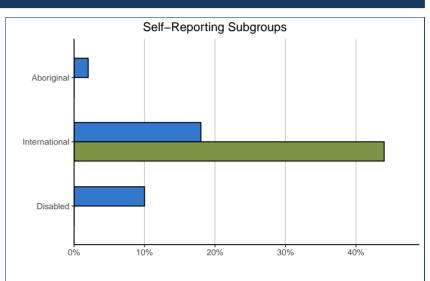


DEMOGRAPHIC INFORMATION

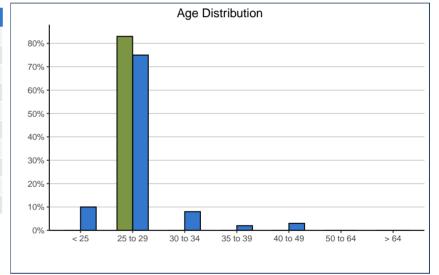
Self-Reporting Subgroups:	14.0101		SFU	
Disabled	~	~	202	10%
International	21	44%	376	18%
Aboriginal	0	0%	40	2%

Gender:*	14.0101		SFU	
Male	35	73%	882	43%
Female	13	27%	1,155	57%
Total	48	100%	2,037	100%

^{*}Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.



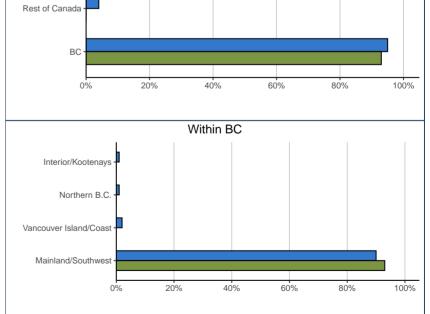
Age (at time of survey):	14.0101		SFU	
< 25	~	~	209	10%
25 to 29	40	83%	1,527	75%
30 to 34	~	~	171	8%
35 to 39	~	~	49	2%
40 to 49	0	0%	60	3%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	48	100%	2,037	100%
Median Age	27		26	
Average (mean) Age	27		27	



Place of Residence

USA -

Place of Residence (at time of survey):	14.0101		SFU	
BC - Mainland/Southwest	39	93%	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	39	93%	1,747	95%
Canada – Alberta	0	0%	21	1%
Canada – Ontario	~	~	40	2%
Canada – Other	0	0%	15	1%
U.S.A.	~	~	14	1%
Non-BC Subtotal	~	~	90	5%
Total	42	100%	1,837	100%





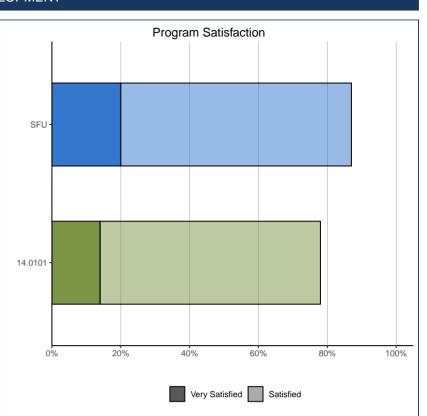


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0101		SFU	
Very Satisfied	6	14%	405	20%
Satisfied	27	64%	1,336	67%
Dissatisfied	6	14%	199	10%
Very Dissatisfied	3	7%	44	2%
Total	42	100%	1,984	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0101		SFU	
Very Useful	9	21%	534	31%
Somewhat Useful	22	51%	867	51%
Not Very Useful	11	26%	225	13%
Not at All Useful	1	2%	72	4%
Total	43	100%	1,698	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0	14.0101		SFU	
Yes	9	19%	163	8%	
No	38	81%	1.823	92%	



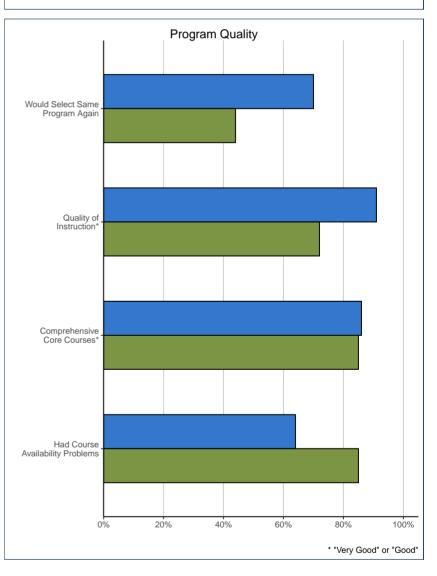
Would select the same program again:	14.0101		SFU	
Yes	17	44%	1,232	70%
No	22	56%	531	30%

Ovality of Instructions	11	04.04	SFU		
Quality of Instruction:	14.	14.0101		-U	
Very Good	2	4%	440	22%	
Good	32	68%	1,384	69%	
Poor	11	23%	161	8%	
Very Poor	2	4%	23	1%	
Total	47	100%	2,008	100%	

Comprehensiveness of Core Courses:	14.0	14.0101		FU
Very Good	7	15%	459	23%
Good	32	70%	1,245	63%
Poor	6	13%	233	12%
Very Poor	1	2%	38	2%
Total	46	100%	1,975	100%

Course Availability:	14.0101		SFU	
Encountered course availability problems	40	85%	1,279	64%

Financial Constraints:	14.0101		SFU	
Had to interrupt studies for financial reasons	4	9%	246	12%
Had to take program part-time for financial reasons	2	4%	410	20%

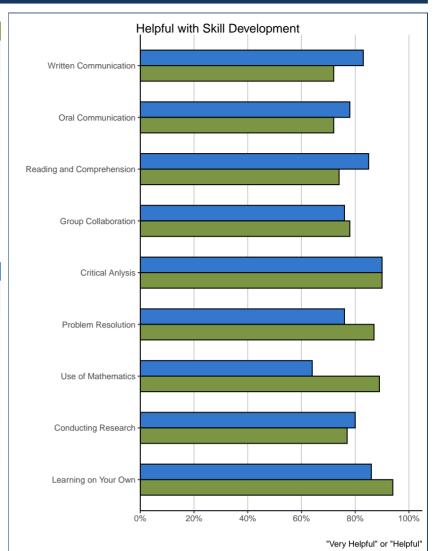




SKILL DEVELOPMENT

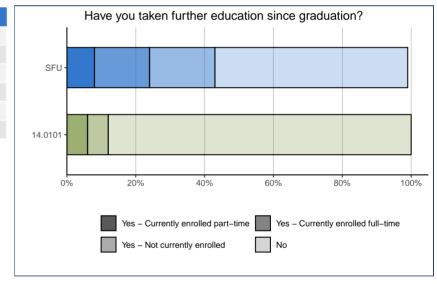
			14.0101		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	14%	58%	26%	2%	43
Oral Communication	11%	61%	22%	7%	46
Reading and Comprehension	17%	57%	22%	4%	46
Group Collaboration	21%	57%	21%	0%	47
Critical Anlysis	28%	62%	9%	2%	47
Problem Resolution	21%	66%	13%	0%	47
Use of Mathematics	35%	54%	11%	0%	46
Conducting Research	24%	53%	16%	7%	45
Learning on Your Own	47%	47%	6%	0%	47

			SFU		
Skill Development: How helpful was institution?	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

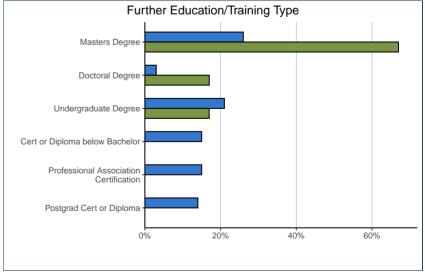


FURTHER EDUCATION

Took further education since 2020 graduation:	14.0	14.0101		FU
Yes	6	13%	893	44%
Not currently enrolled	3	6%	395	19%
Currently enrolled full-time	3	6%	329	16%
Currently enrolled part-time	0	0%	158	8%
No	42	88%	1,133	56%
Total	48	100%	2,026	100%



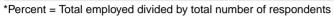
Type of Formal Post–Secondary Education:	14.	14.0101		=U
Masters Degree	4	67%	229	26%
Doctoral Degree	1	17%	29	3%
Another Undergraduate Degree	1	17%	188	21%
Certificate or Diploma below Bachelor level	0	0%	136	15%
Professional Association Certification	0	0%	133	15%
Postgraduate Certificate or Diploma	0	0%	119	14%
Other	0	0%	44	5%
Total	6	100%	878	100%



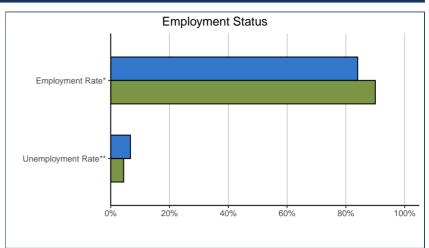


EMPLOYMENT

Labour Fource Status:	14.	14.0101		FU
In Labour Force (working or seeking work)	45	96%	1,830	92%
Not in Labour Force	2	4%	168	8%
Total	47	100%	1,998	100%
Employment:	14.	14.0101		FU
Employment Rate*	43	90%	1,708	84%
Unemployment Rate**	2	4.4%	122	6.7%



^{**}Percent = Total unemployed divided by total number in Labour Force

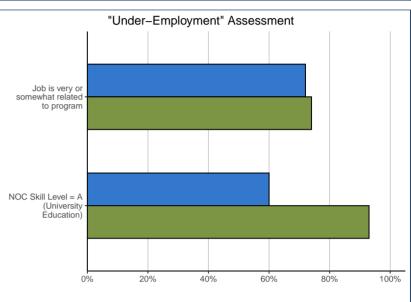


Status of Graduates NOT in Labour Force:	14.0101		SI	-U
Attending School FT	1	50%	103	61%
Attending School PT	0	0%	8	5%
Other	1	50%	57	34%
Total NOT in Labour Force	2	100%	168	100%

Primary Employment Type:	14.0101		SF	=U
Paid worker	40	93%	1,608	94%
Self-employed	3	7%	96	6%
Total	43	100%	1,704	100%

Job Characteristics:	14.0101		SFU	
I hold more than one job*	7	16%	301	18%
My main job is full-time (>= 30 hours per week)**	39	98%	1,432	89%

^{*}Of total Employed



How related is your main job to your program?	14.0101		SFU	
Very Related	8	19%	624	37%
Somewhat Related	24	56%	605	35%
Not Very Related	7	16%	245	14%
Not at All Related	4	9%	231	14%
Total	43	100%	1,705	100%

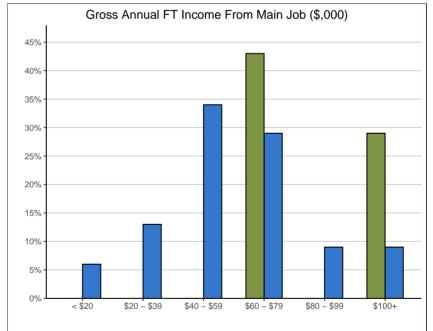
"Under-employment" Assessment:	14.0101		SFU	
Job is very or somewhat related to program	32	74%	1,229	72%
NOC Skill Level = A (University Education)*	37	93%	945	60%

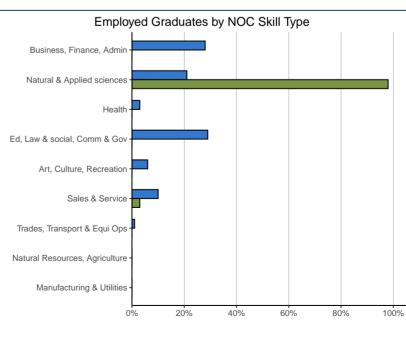
^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.0	14.0101		FU
Less than \$20,000	0	0%	68	6%
\$20,000 to \$39,999	~	~	161	13%
\$40,000 to \$59,999	~	~	413	34%
\$60,000 to \$79,999	12	43%	351	29%
\$80,000 to \$99,999	~	~	107	9%
\$100,000 and Above	8	29%	108	9%
Total	28	100%	1,208	100%
Median Annual Income (full-time) (\$)	80,250		60,000	
Average Annual Income (full-time) (\$)	94,404		66,030	

^{*}Where data provided

NOC Skill Type of Main Job:	14.0101		SFU	
Business, finance & administration	0	0%	446	28%
Natural & applied sciences & related	39	98%	331	21%
Health		0%	52	3%
Education, law and social, community & government		0%	460	29%
Art, culture, recreation & sport	0	0%	100	6%
Sales & service	1	3%	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	40	100%	1,570	100%





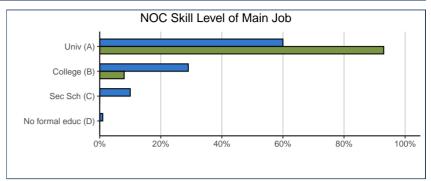
^{**}Of those who provided data on hours/week worked





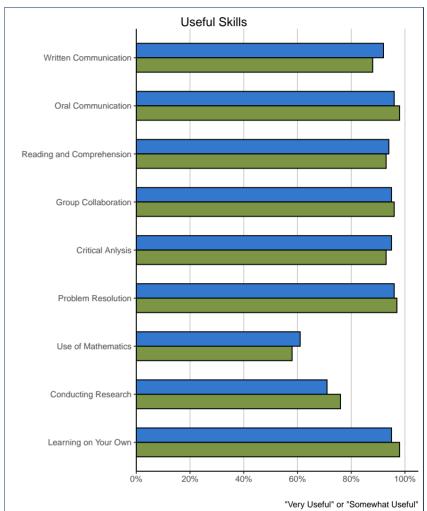
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0101		SFU	
A. University education		93%	945	60%
B. College education/trade apprenticeship	3	8%	452	29%
C. Secondary school + job-specific training	0	0%	159	10%
D. No formal education	0	0%	18	1%
Total	40	100%	1,574	100%



	14.0101				
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	55%	33%	12%	0%	42
Oral Communication	70%	28%	2%	0%	43
Reading and Comprehension	67%	26%	7%	0%	43
Group Collaboration	56%	40%	2%	2%	43
Critical Anlysis	63%	30%	5%	2%	43
Problem Resolution	67%	30%	2%	0%	43
Use of Mathematics	21%	37%	26%	16%	43
Conducting Research	39%	37%	10%	15%	41
Learning on Your Own	72%	26%	0%	2%	43

	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



Top 10 Full-t	Top 10 Full-time Occupations of 14.0101 Graduates:		
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	35%
2174	A	Computer programmers and interactive media developers	16%
*			
*			
*			
*			
*			
*			
*			
*			

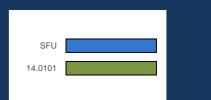
^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed

Top 10 Full-ti	Top 10 Full-time Occupations of SFU Graduates:		
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
4032	A	Elementary school and kindergarten teachers	6%
2173	Α	Software engineers and designers	5%
XXXX	0	Unclassified occupations	5%
1123	А	Professional occupations in advertising, marketing and public relations	4%
4031	Α	Secondary school teachers	4%
2174	A	Computer programmers and interactive media developers	3%
1111	Α	Financial auditors and accountants	3%
1221	В	Administrative officers	3%
4212	В	Social and community service workers	2%
5241	В	Graphic designers and illustrators	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.0101		SFU	
Personal savings, investments	9	9 20%		28%
Employment while studying		39%	982	50%
Family/Friends	33	72%	1,299	66%
Personal bank loans	2	4%	78	4%
Government student loans	7	15%	509	26%
Scholarships/Bursaries/Grants	9	20%	562	29%
Other	26	57%	448	23%
Total	46		1,968	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	Finance Bac. Ed.:*		SFU	
Incurred any form of financial debt	11	23%	690	35%
Incurred government-sponsored student loan debt	8	17%	564	28%

^{*} Percentage of respondents who provided data



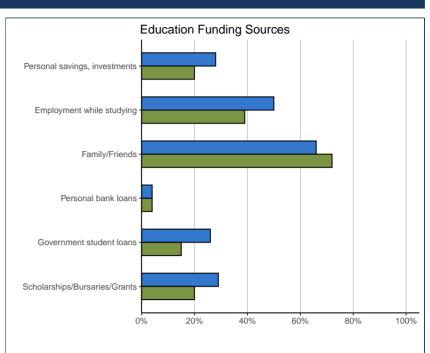
^{*} Includes only cases where financial debt was incurred

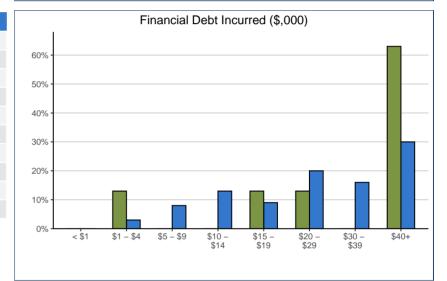


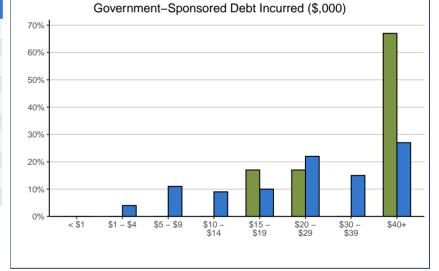
^{*} Includes only cases where government-sponsored debt was incurred

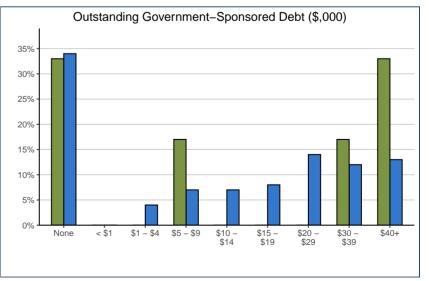


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









^{**} Median amounts shown are based on those who had remaining government student loan debt