

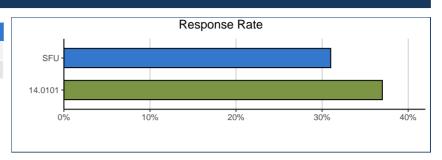
B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

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	170	100%	5,547	100%
Survey Respondents and Response Rate	63	37%	1,725	31%

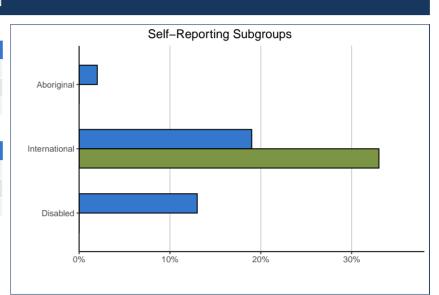


DEMOGRAPHIC INFORMATION

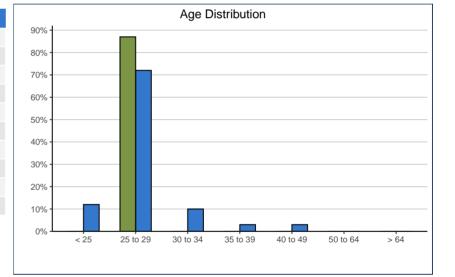
Self-Reporting Subgroups:	14.0101		SI	=U
Disabled	~	~	205	13%
International	21	33%	333	19%
Aboriginal	0	0%	31	2%

Gender:*	14.0101		14.0101		SF	-U
Male	56	89%	797	46%		
Female	7	11%	924	54%		
Total	63	100%	1,721	100%		

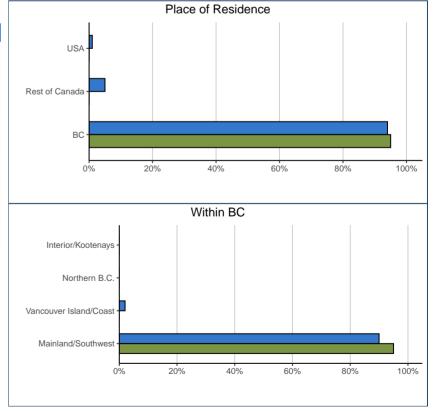
^{*}Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.



Age (at time of survey):	14.0101		SFU	
< 25	~	~	200	12%
25 to 29	55	87%	1,238	72%
30 to 34	~	~	165	10%
35 to 39	~	~	54	3%
40 to 49	0	0%	53	3%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	63	100%	1,725	100%
Median Age	26		26	
Average (mean) Age	27		28	



Place of Residence (at time of survey):	14.	14.0101		FU
BC - Mainland/Southwest	56	95%	1,390	90%
BC – Vancouver Island/Coast	0	0%	32	2%
BC – Northern B.C.	0	0%	~	~
BC – Interior/Kootenays	0	0%	~	~
BC Subtotal	56	95%	1,446	94%
Canada – Alberta	~	~	16	1%
Canada – Ontario	0	0%	39	3%
Canada - Other	~	~	18	1%
U.S.A.	~	~	17	1%
Non-BC Subtotal	~	~	90	6%
Total	59	100%	1,536	100%





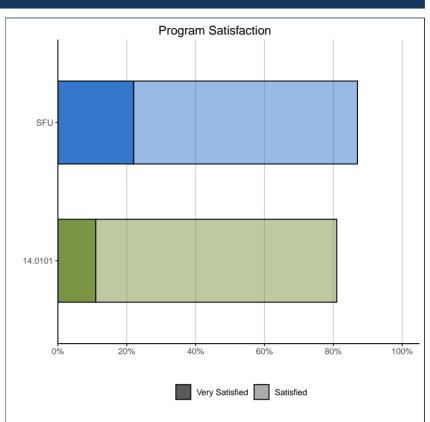


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0101		SI	=U
Very Satisfied	7	11%	366	22%
Satisfied	44	70%	1,108	65%
Dissatisfied	11	17%	177	10%
Very Dissatisfied	1	2%	42	2%
Total	63	100%	1,693	100%

	SFU	
25%	402	29%
58%	749	53%
16%	182	13%
0%	70	5%
100%	1,403	100%
	58% 16% 0%	58% 749 16% 182 0% 70

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0	14.0101		SFU	
Yes	7	12%	157	9%	
No	52	88%	1.507	91%	



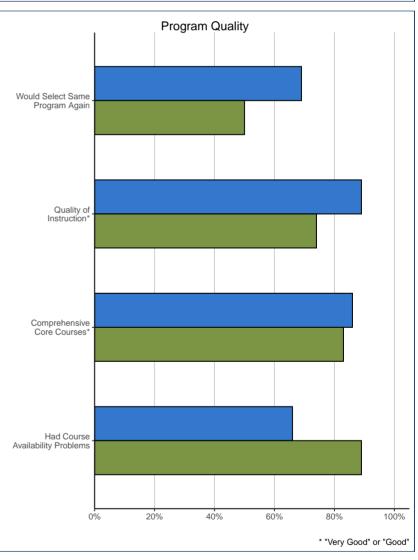
Would select the same program again:	14.0101		SFU	
Yes	30	50%	1,040	69%
No	30	50%	466	31%

Quality of Instruction:	14.0101		SFU	
Very Good	4	7%	383	22%
Good	41	67%	1,141	67%
Poor	14	23%	157	9%
Very Poor	2	3%	30	2%
Total	61	100%	1,711	100%

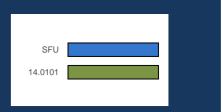
Comprehensiveness of Core Courses:	14.0	14.0101		SFU	
Very Good	6	10%	387	23%	
Good	45	73%	1,062	63%	
Poor	10	16%	191	11%	
Very Poor	1	2%	37	2%	
Total	62	100%	1.677	100%	

Course Availability:	14.0101		SFU	
Encountered course availability problems	56	89%	1,122	66%

Financial Constraints:	14.0101		SI	=U
Had to interrupt studies for financial reasons	3	5%	203	12%
Had to take program part-time for financial reasons	7	11%	397	23%



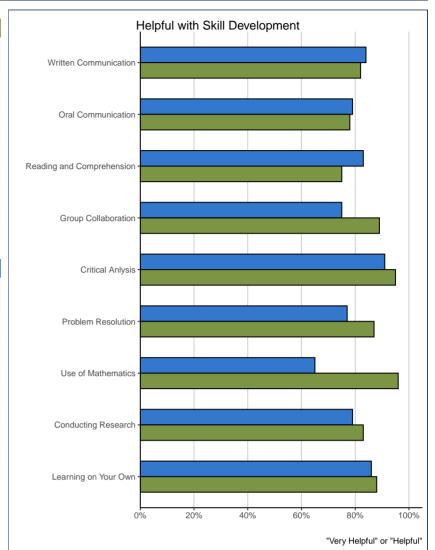




SKILL DEVELOPMENT

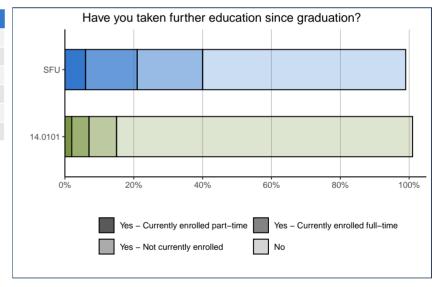
			14.0101		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	13%	69%	15%	3%	61
Oral Communication	14%	64%	17%	5%	58
Reading and Comprehension	22%	53%	22%	3%	60
Group Collaboration	33%	56%	10%	2%	61
Critical Anlysis	31%	64%	5%	0%	61
Problem Resolution	34%	53%	14%	0%	59
Use of Mathematics	44%	52%	5%	0%	62
Conducting Research	27%	56%	12%	5%	59
Learning on Your Own	44%	44%	8%	3%	59

			SFU		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	57%	13%	3%	1,667
Oral Communication	23%	56%	19%	3%	1,660
Reading and Comprehension	26%	57%	15%	2%	1,682
Group Collaboration	23%	52%	20%	5%	1,691
Critical Anlysis	39%	52%	8%	1%	1,702
Problem Resolution	23%	54%	19%	4%	1,653
Use of Mathematics	20%	45%	27%	8%	1,376
Conducting Research	27%	52%	17%	4%	1,592
Learning on Your Own	35%	51%	10%	3%	1,677

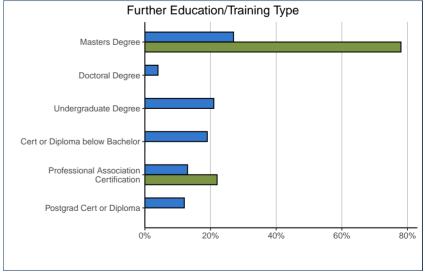


FURTHER EDUCATION

Took further education since 2021 graduation:	14.0	14.0101		FU
Yes	9	14%	697	41%
Not currently enrolled	5	8%	327	19%
Currently enrolled full-time	3	5%	258	15%
Currently enrolled part-time	1	2%	103	6%
No	54	86%	1,015	59%
Total	63	100%	1,712	100%



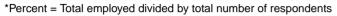
Type of Formal Post–Secondary Education:	14.0101		SFU	
Masters Degree	7	78%	185	27%
Doctoral Degree	0	0%	28	4%
Another Undergraduate Degree	0	0%	147	21%
Certificate or Diploma below Bachelor level	0	0%	129	19%
Professional Association Certification	2	22%	89	13%
Postgraduate Certificate or Diploma	0	0%	81	12%
Other	0	0%	31	4%
Total	9	100%	690	100%



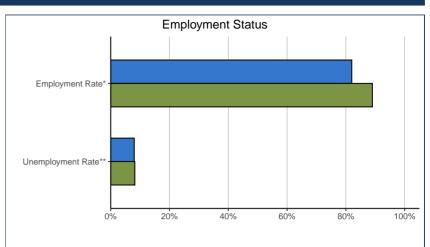


EMPLOYMENT

Labour Fource Status:	14.0101		SFU	
In Labour Force (working or seeking work)	61	97%	1,542	91%
Not in Labour Force	2	3%	150	9%
Total	63	100%	1,692	100%
Employment:	14.	0101	SI	₹U
Employment Rate*	56	89%	1,418	82%
Unemployment Rate**	5	8.2%	124	8.0%



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

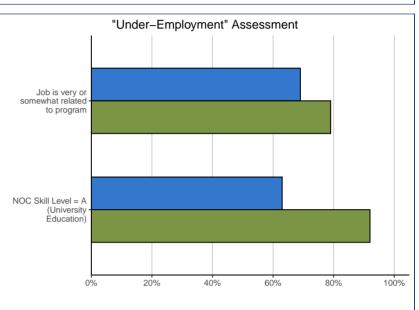


Status of Graduates NOT in Labour Force:	14.0101		SI	FU
Attending School FT	1	50%	100	67%
Attending School PT	0	0%	2	1%
Other	1	50%	48	32%
Total NOT in Labour Force	2	100%	150	100%

Primary Employment Type:	14.0101		SF	=U
Paid worker	52	95%	1,335	95%
Self-employed	3	5%	73	5%
Total	55	100%	1,408	100%

Job Characteristics:	14.0101		SI	=U
I hold more than one job*	1	2%	217	15%
My main job is full-time (>= 30 hours per week)**	54	100%	1,195	90%

^{*}Of total Employed



How related is your main job to your program?	14.0101		SFU	
Very Related	19	34%	509	36%
Somewhat Related	25	45%	471	33%
Not Very Related	10	18%	216	15%
Not at All Related	2	4%	219	15%
Total	56	100%	1,415	100%

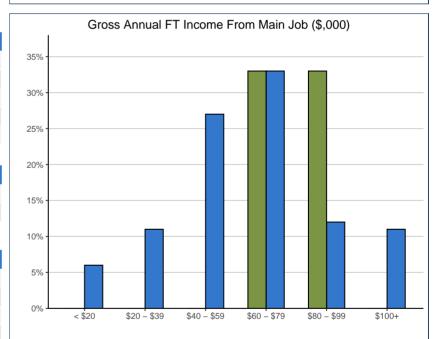
"Under-employment" Assessment:	14.0101		SFU	
Job is very or somewhat related to program	44	79%	980	69%
NOC Skill Level = A (University Education)*	45	92%	801	63%

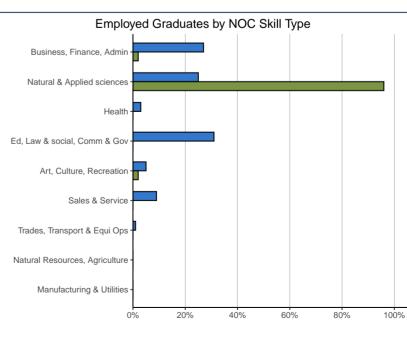
^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.0101		SFU	
Less than \$20,000	0	0%	59	6%
\$20,000 to \$39,999	~	~	113	11%
\$40,000 to \$59,999	~	~	283	27%
\$60,000 to \$79,999	14	33%	345	33%
\$80,000 to \$99,999	14	33%	122	12%
\$100,000 and Above	~	~	110	11%
Total	43	100%	1,032	100%
Median Annual Income (full-time) (\$)	82,250		65,000	
Average Annual Income (full-time) (\$)	90,525		69,847	

^{*}Where data provided

NOC Skill Type of Main Job:	14.	14.0101		SFU	
Business, finance & administration		2%	342	27%	
Natural & applied sciences & related		96%	314	25%	
Health		0%	41	3%	
Education, law and social, community & government	0	0%	389	31%	
Art, culture, recreation & sport	1	2%	59	5%	
Sales & service	0	0%	110	9%	
Trades, transport & equipment operators & related	0	0%	13	1%	
Natural resources, agriculture & related production	0	0%	2	0%	
Manufacturing & utilities	0	0%	5	0%	
Total	49	100%	1,275	100%	





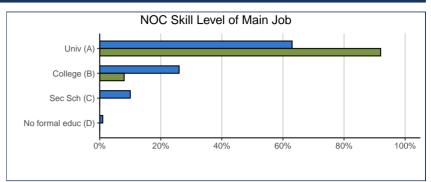
^{**}Of those who provided data on hours/week worked





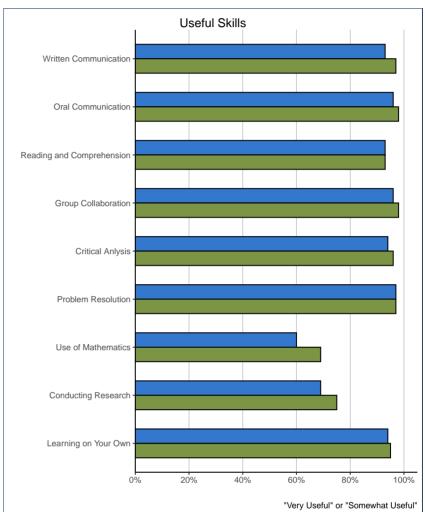
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0101		SFU	
A. University education	45	92%	801	63%
B. College education/trade apprenticeship	4	8%	332	26%
C. Secondary school + job-specific training	0	0%	130	10%
D. No formal education	0	0%	16	1%
Total	49	100%	1,279	100%



14.0101				
Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
70%	27%	4%	0%	56
82%	16%	0%	2%	56
64%	29%	7%	0%	56
68%	30%	2%	0%	56
80%	16%	4%	0%	56
79%	18%	4%	0%	56
23%	46%	25%	5%	56
34%	41%	23%	2%	56
66%	29%	4%	2%	56
	Useful 70% 82% 64% 68% 80% 79% 23% 34%	Useful Useful 70% 27% 82% 16% 64% 29% 68% 30% 80% 16% 79% 18% 23% 46% 34% 41%	Very Useful Somewhat Useful Not Very Useful 70% 27% 4% 82% 16% 0% 64% 29% 7% 68% 30% 2% 80% 16% 4% 79% 18% 4% 23% 46% 25% 34% 41% 23%	Very Useful Somewhat Useful Not Very Useful Not at All Useful 70% 27% 4% 0% 82% 16% 0% 2% 64% 29% 7% 0% 68% 30% 2% 0% 80% 16% 4% 0% 79% 18% 4% 0% 23% 46% 25% 5% 34% 41% 23% 2%

	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	65%	28%	5%	3%	1,407
Oral Communication	73%	23%	3%	1%	1,404
Reading and Comprehension	66%	27%	4%	2%	1,407
Group Collaboration	74%	22%	3%	1%	1,407
Critical Anlysis	70%	24%	4%	1%	1,408
Problem Resolution	76%	21%	3%	1%	1,405
Use of Mathematics	24%	36%	24%	15%	1,377
Conducting Research	33%	36%	17%	14%	1,383
Learning on Your Own	65%	29%	4%	2%	1,402



Top 10 Full-time Occupations of 14.0101 Graduates:		14.0101	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	32%
2174	Α	Computer programmers and interactive media developers	11%
XXXX	0	Unclassified occupations	11%
*			
*			
*			
*			
*			
*			
*			

^{*} 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.**
XXXX	0	Unclassified occupations	7%
4032	Α	Elementary school and kindergarten teachers	5%
2173	Α	Software engineers and designers	5%
2174	A	Computer programmers and interactive media developers	4%
4031	Α	Secondary school teachers	4%
1123	A	Professional occupations in advertising, marketing and public relations	3%
4212	В	Social and community service workers	3%
1111	A	Financial auditors and accountants	2%
2171	Α	Information systems analysts and consultants	2%
1221	В	Administrative officers	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.0101		⁼U
Personal savings, investments		23%	481	29%
Employment while studying		33%	824	49%
Family/Friends	48	79%	1,104	66%
Personal bank loans	0	0%	59	4%
Government student loans	14	23%	457	27%
Scholarships/Bursaries/Grants	19	31%	498	30%
Other	34	56%	437	26%
Total	61		1,671	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0101		SFU	
Incurred any form of financial debt	17	28%	612	37%
Incurred government-sponsored student loan debt	14	22%	498	29%

^{*} Percentage of respondents who provided data



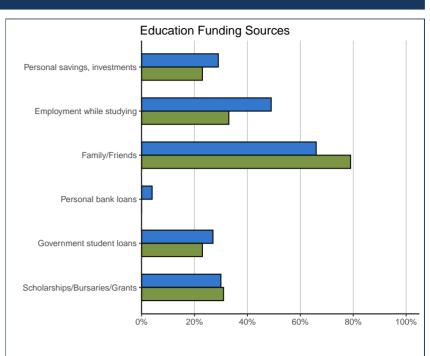
^{*} Includes only cases where financial debt was incurred

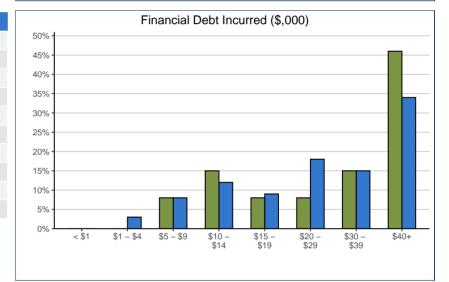


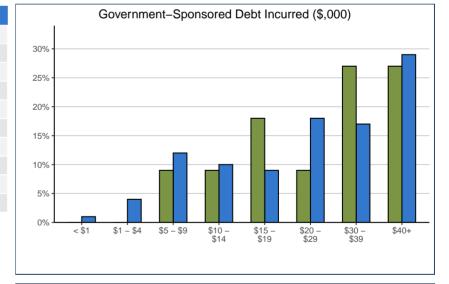
^{*} Includes only cases where government-sponsored debt was incurred

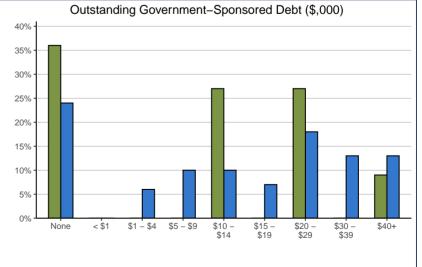


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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