

# B.C. University Student Outcomes 2001 Survey of 1996 Baccalaureate Graduates

Detailed Summary of Survey Results

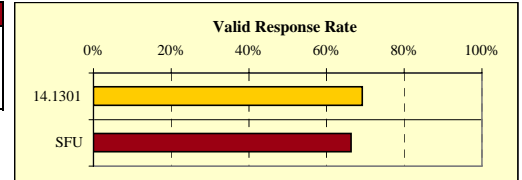
Simon Fraser University

6 Digit CIP: 14.1301: Engineering Science

■ SFU  
■ 14.1301

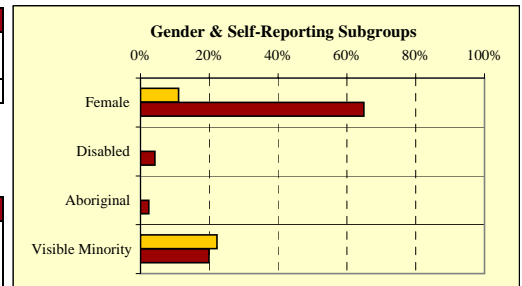
## RESPONSE RATE

1. Survey Response Rate:	14.1301	SFU	
Baccalaureate Graduates Survey Cohort	15	2,373	
Net Frame	13	2,219	
Survey Respondents and Valid Response Rate	9	1,472	66%



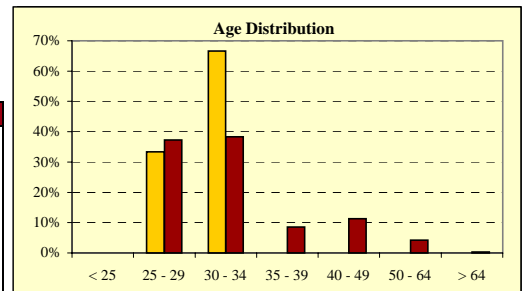
## DEMOGRAPHIC INFORMATION

2. Gender:	14.1301	SFU	
Male	8	89%	516 35%
Female	1	11%	956 65%
Total	9	100%	1,472 100%

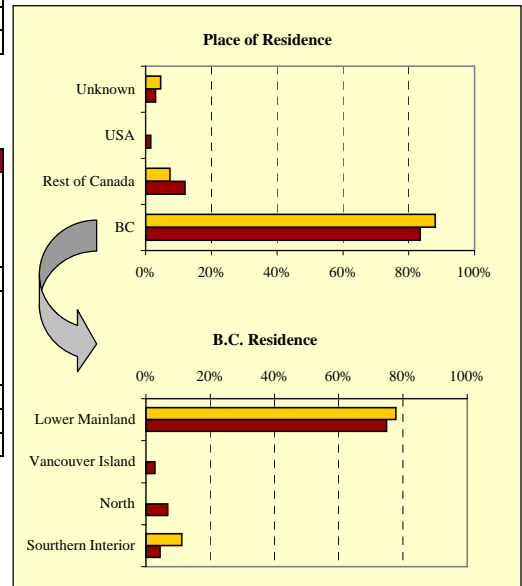


3. Self-Reporting Subgroups:	14.1301	SFU	
Disabled	-	0%	62 4%
Aboriginal	-	0%	35 2%
Visible Minority	2	22%	293 20%

4. Age (at time of survey):	14.1301	SFU	
< 25	-	0%	- 0%
25 to 29	3	33%	548 37%
30 to 34	6	67%	564 38%
35 to 39	-	0%	126 9%
40 to 49	-	0%	167 11%
50 to 64	-	0%	62 4%
> 64	-	0%	5 0%
Unknown	-	0%	- 0%
Total	9	100%	1,472 100%
Mean Age:	29.8		33.2



5. Place of Residence (at time of survey):	14.1301	SFU	
BC - Lower Mainland	7	78%	1,103 75%
BC - Vancouver Island	-	0%	41 3%
BC - North	-	0%	100 7%
BC - Southern Interior	1	11%	65 4%
B.C. Subtotal	8	89%	1,309 89%
Canada - Alberta	-	0%	44 3%
Canada - Ontario	-	0%	38 3%
Canada - Other	-	0%	11 1%
U.S.A.	1	11%	36 2%
Non-B.C. Subtotal	1	11%	129 9%
Unknown	-	0%	34 2%
Total	9	100%	1,472 100%

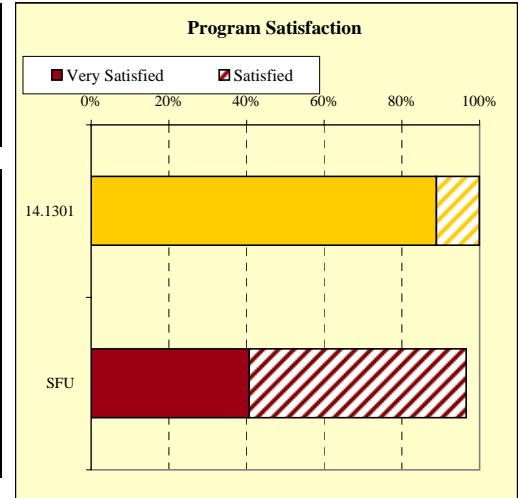


**Detailed Summary of Survey Results**  
**Simon Fraser University**  
**6 Digit CIP: 14.1301: Engineering Science**

■ SFU  
■ 14.1301

**EDUCATION SATISFACTION & PROGRAM EVALUATION**

6. Program Satisfaction:	14.1301		SFU	
Very Satisfied	8	89%	597	41%
Satisfied	1	11%	822	56%
Dissatisfied	-	0%	43	3%
Very Dissatisfied	-	0%	6	0%
Total	9	100%	1,468	100%

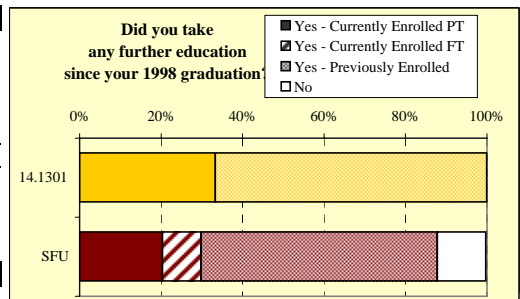


7. Would you select the same program again?	14.1301		SFU	
Yes	9	100%	1,082	75%
No, because . . . (multiple response question)	-		353	
. . . not enough course variety offered	N/A		10	2%*
. . . skills acquired were not very useful	N/A		48	10%*
. . . courses were poorly taught	N/A		3	1%*
. . . program was too general	N/A		52	11%*
. . . courses were not practical	N/A		52	11%*
. . . interests have changed	N/A		80	17%*
. . . little or no career opportunities	N/A		137	29%*
. . . disagree with grading system	N/A		-	0%*
. . . disliked institution	N/A		2	0%*
. . . other	N/A		92	19%*

\* Percent of total responses, among those who would not take program again

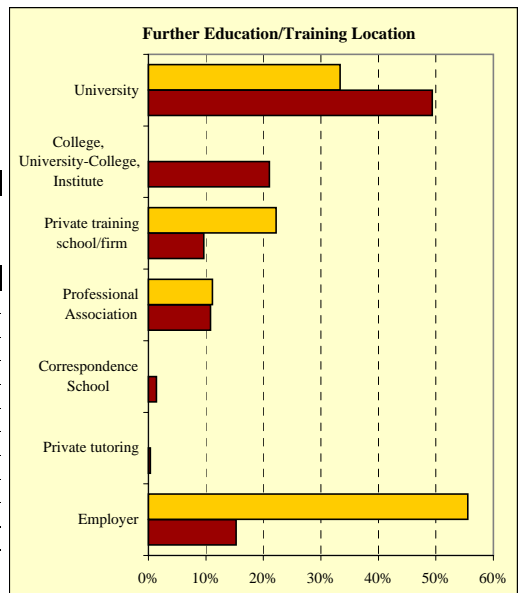
**FURTHER EDUCATION**

8. Took further education since 1996 graduation?	14.1301		SFU	
Yes:	9	100%	1,296	88%
Not currently enrolled	6	67%	854	58%
Currently enrolled full-time	-	0%	140	10%
Currently enrolled part-time	3	33%	299	20%
No	-	0%	176	12%
Total	9	100%	1,472	100%



9. Further education/training location (multiple resp.):*	14.1301		SFU	
University	3	33%*	640	49%*
College, University-College, Institute	-	0%*	273	21%*
Private training school/firm	2	22%*	125	10%*
Professional Association	1	11%*	140	11%*
Correspondence School	-	0%*	18	1%*
Private Tutoring	-	0%*	4	0%*
Employer	5	56%*	198	15%*
Other	-	0%*	40	3%*
Total Respondents	9		1,296	

\* Percent of respondents



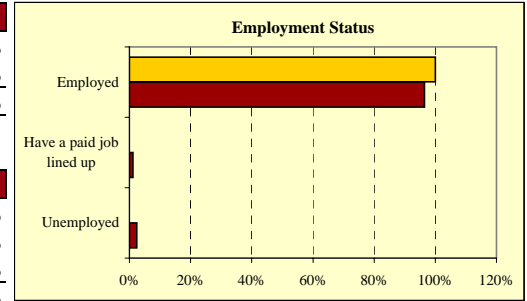
10. Main Reason for Further Education:	14.1301		SFU	
Pursue another Bachelor degree	-	0%	75	5%
Pursue Masters studies	3	27%	128	9%
Pursue Doctoral studies	-	0%	29	2%
Career / job / employment related	6	55%	919	64%
Challenge myself intellectually	-	0%	133	9%
To please parents/family	-	0%	-	0%
Did not have a primary/main reason for enrolling	-	0%	3	0%
Required by employer	1	9%	45	3%
Other	1	9%	101	7%
Total	11	100%	1,433	100%

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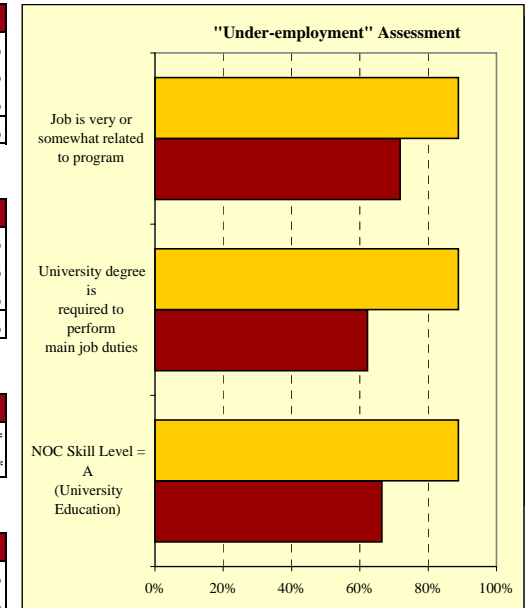
**EMPLOYMENT**

11. Labour Force Status:	14.1301	SFU		
In Labour Force (working or seeking work)	9	100%	1,347	92%
Not in Labour Force	-	0%	125	8%
<b>Grand Total</b>	<b>9</b>	<b>100%</b>	<b>1,472</b>	<b>100%</b>



12. Employment Status of those IN Labour Force:	14.1301	SFU		
Employed	9	100%	1,299	96%
Have a paid job lined up	-	0%	15	1%
Unemployed	-	0%	33	2%
<b>Total Labour Force</b>	<b>9</b>	<b>100%</b>	<b>1,347</b>	<b>100%</b>

13. Status of Graduates NOT in Labour Force:	14.1301	SFU		
Attending School FT	N/A		46	37%
Attending School PT	N/A		7	6%
Other	N/A		72	58%
<b>Total NOT in Labour Force</b>	<b>-</b>		<b>125</b>	<b>100%</b>



14. Employment Type:	14.1301	SFU		
Paid worker	9	100%	1,140	88%
Self-employed	-	0%	93	7%
Both a paid worker and self-employed	-	0%	66	5%
<b>Total Employed</b>	<b>9</b>	<b>100%</b>	<b>1,299</b>	<b>100%</b>

15. Job Characteristics:	14.1301	SFU		
I hold more than one job	-	0%*	181	14%*
My main job is full-time (>= 30 hours per week)	9	100%**	1,092	86%**

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

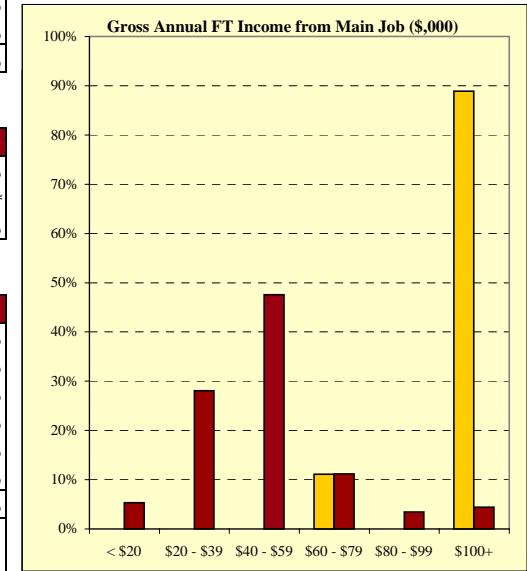
16. How related is your main job to your program?:	14.1301	SFU		
Very Related	3	33%	524	40%
Somewhat Related	5	56%	408	31%
Not Very Related	1	11%	178	14%
Not At All Related	-	0%	189	15%
<b>Total</b>	<b>9</b>	<b>100%</b>	<b>1,299</b>	<b>100%</b>

17. "Under-employment" Assessment:	14.1301	SFU		
Job is very or somewhat related to program	8	89%	932	72%
University degree is required to perform main job duties	8	89%*	773	62%*
NOC Skill Level = A (University Education)	8	89%	857	66%

\* of total valid responses

18. Gross Annual Income from Main Job:*	14.1301	SFU		
Less than \$20,000	-	0%	64	5%
\$20,000 to \$39,999	-	0%	336	28%
\$40,000 to \$59,999	-	0%	569	48%
\$60,000 to \$79,999	1	11%	134	11%
\$80,000 to \$99,999	-	0%	41	3%
\$100,000 and Above	8	89%	53	4%
<b>Total</b>	<b>9</b>	<b>100%</b>	<b>1,197</b>	<b>100%</b>
Median Annual Income (full-time)	\$149,000		\$45,000	
Average Annual Income (full-time)	\$143,944		\$52,038	

\* where data provided

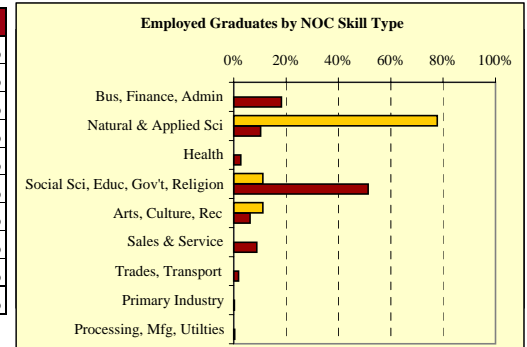


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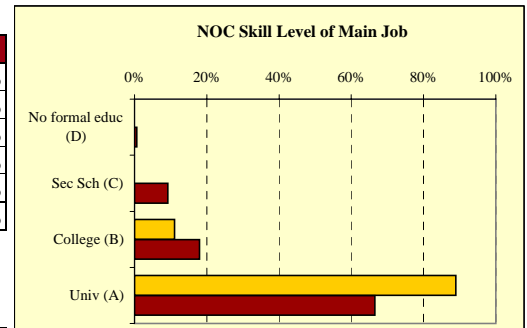
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**EMPLOYMENT, continued**

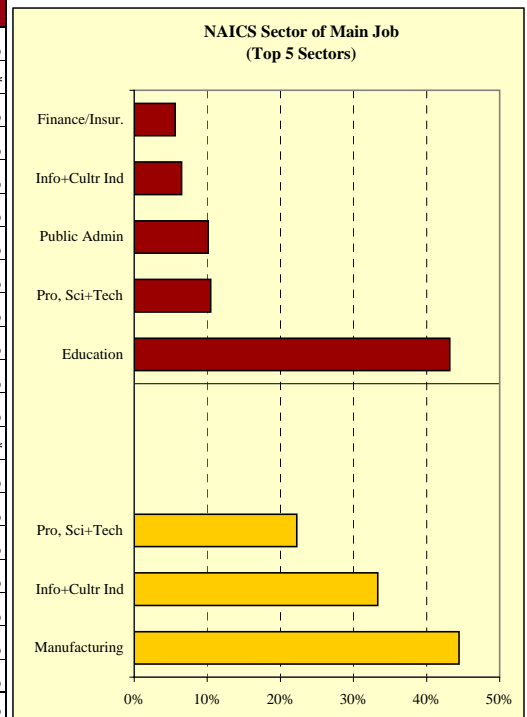
19. NOC Skill Type of Main Job:	14.1301	SFU
Business, Finance and Administration	- 0%	234 18%
Natural and Applied Sciences and Related	7 78%	131 10%
Health	- 0%	35 3%
Social Sciences, Educ., Gov't Services, Religion	1 11%	659 51%
Arts, Culture, Recreation and Sport	1 11%	80 6%
Sales and Service	- 0%	113 9%
Trades, Transport and Eqp. Operators and Related	- 0%	23 2%
Unique to the Primary Industry	- 0%	3 0%
Unique to Processing, Manufacturing and Utilities	- 0%	5 0%
<b>Total</b>	<b>9 100%</b>	<b>1,283 100%</b>



20. NOC Skill Level of Main Job:	14.1301	SFU
A. University education	8 89%	857 66%
B. College education/trade apprenticeship	1 11%	232 18%
C. Secondary school + job-specific training	- 0%	119 9%
D. No formal education	- 0%	8 1%
No Skill Level assigned (management)	- 0%	73 6%
<b>Total</b>	<b>9 100%</b>	<b>1,289 100%</b>



21. NAICS Sector of Main Job:	14.1301	SFU
Agriculture, Forestry, Fishing and Hunting	* *	5 0%
Mining and Oil and Gas Extraction	* *	* *
Utilities	* *	7 1%
Construction	* *	11 1%
Manufacturing	4 44%	50 4%
Wholesale Trade	* *	17 1%
Retail Trade	* *	36 3%
Transportation and Warehousing	* *	21 2%
Information and Cultural Industries	3 33%	83 6%
Finance and Insurance	* *	72 6%
Real Estate and Rental and Leasing	* *	14 1%
Professional, Scientific and Technical Services	2 22%	134 10%
Management of Companies and Enterprises	* *	* *
Admin., Support, Waste Mgmt., Remediation Svcs.	* *	12 1%
Education Services	* *	554 43%
Health Care and Social Assistance	* *	60 5%
Arts, Entertainment and Recreation	* *	24 2%
Accommodation and Food services	* *	22 2%
Other Service (except Public Administration)	* *	30 2%
Public Administration	* *	130 10%
<b>Total</b>	<b>9 100%</b>	<b>1283 100%</b>



\*data not displayed where n < 2

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**EMPLOYMENT, continued**

**22a. Top 10 Full-time Occupations of 14.1301 Graduates:**

14.1301			% Employed FT in this Occ.**	Median FT Salary
NOC	Skill Level	Description		
2147	A	Computer Engineers	33%	\$110,000
2173	A	Software Engineers	22%	\$92,500
*				
*				
*				
*				
*				
*				
*				

\*data not displayed where n < 2

\*\*percentages cited are of those for whom occupational data was provided, full-time and part-time

**22b. Top 10 Full-time Occupations of Graduates from Simon Fraser University:**

SFU			% Employed FT in this Occ.**	Median FT Salary
NOC	Skill Level	Description		
4142	A	Elem & Kindergarten Teacher	17%	\$42,000
4141	A	Secondary School Teachers	13%	\$42,000
1111	A	Financial Auditors & Acnts	3%	\$58,250
2173	A	Software Engineers	2%	\$75,000
1122	A	Occs in Bus Svcs to Mgmt	2%	\$64,300
5124	A	Occs in Public Relations & Comm	2%	\$45,000
4112	A	Lawyers & Quebec Notaries	1%	\$70,000
4212	B	Community & Social Srvc Workers	1%	\$40,020
0611	N/A	Sales, Marketing & Advrt Managers	1%	\$67,500
1114	A	Other Financial Officers	1%	\$49,750

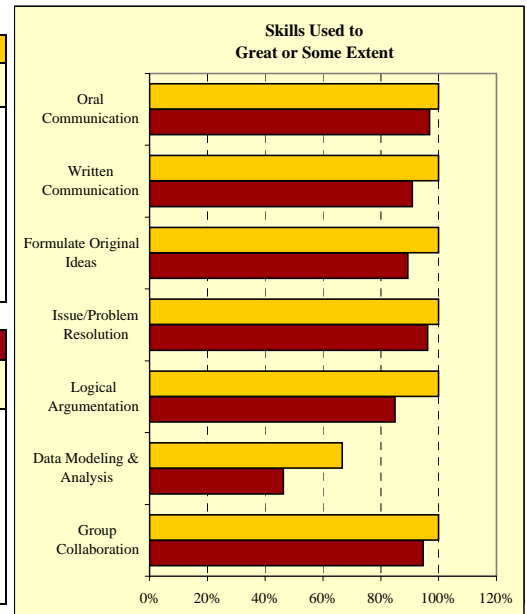
\*data not displayed where n < 2

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**SKILLS USED IN EMPLOYMENT**

**23a. To what extent do you use [the following skills] in your main job?**

	14.1301				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	100%	0%	0%	0%	9
Written Communication	78%	22%	0%	0%	9
Formulate Original Ideas	78%	22%	0%	0%	9
Issue/Problem Resolution	100%	0%	0%	0%	9
Logical Argumentation	56%	44%	0%	0%	9
Data Modeling & Analysis	11%	56%	11%	22%	9
Group Collaboration	78%	22%	0%	0%	9



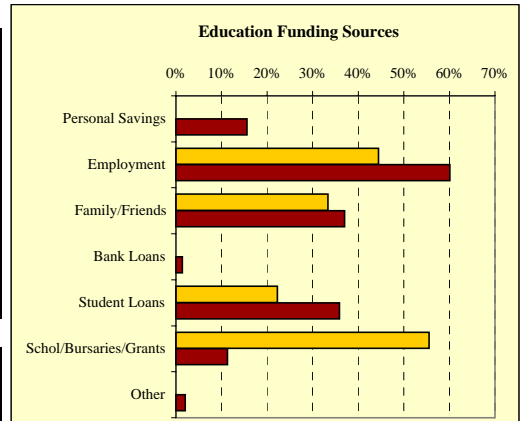
**23b. To what extent do you use [the following skills] in your main job?**

	SFU				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	82%	15%	2%	1%	1,298
Written Communication	69%	21%	6%	3%	1,298
Formulate Original Ideas	54%	35%	8%	3%	1,297
Issue/Problem Resolution	77%	19%	3%	1%	1,298
Logical Argumentation	52%	33%	12%	3%	1,296
Data Modeling & Analysis	20%	26%	27%	27%	1,294
Group Collaboration	77%	18%	4%	1%	1,297

**EDUCATION FINANCING**

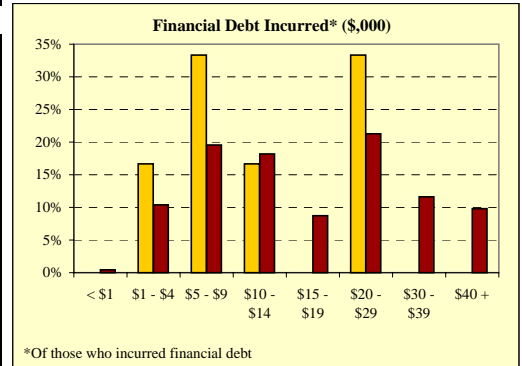
24. Education Funding Sources (2 sources per respondent):	14.1301		SFU	
Personal Savings	-	0%*	229	16%*
Employment	4	44%*	885	60%*
Family/Friends	3	33%*	545	37%*
Bank Loans	-	0%*	21	1%*
Student Loans	2	22%*	528	36%*
Scholarships/Bursaries/Grants	5	56%*	166	11%*
Other	-	0%*	30	2%*
<b>Total Respondents</b>	<b>9</b>		<b>1,472</b>	

\* Percentage of respondents who identified this source



25. Financial Debt Incurred to Finance Univ. Education:	14.1301		SFU	
Incurred any form of financial debt	6	67%*	654	46%*
Incurred government-sponsored student loan debt	6	67%*	541	38%*

\* Percentage of respondents who provided data



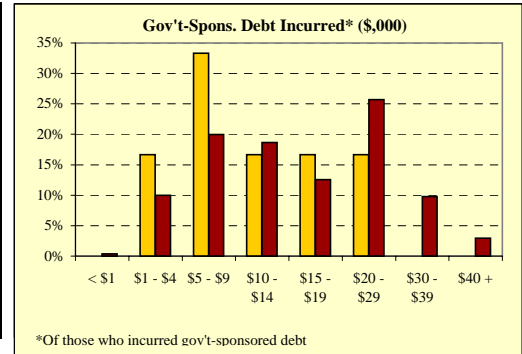
\*Of those who incurred financial debt

26. Financial Debt Amount:*	14.1301		SFU	
< \$1,000	-	0%	3	0%
\$1,000 to \$4,999	1	17%	68	10%
\$5,000 to \$9,999	2	33%	128	20%
\$10,000 to \$14,999	1	17%	119	18%
\$15,000 to \$19,999	-	0%	57	9%
\$20,000 to \$29,999	2	33%	139	21%
\$30,000 to \$39,999	-	0%	76	12%
\$40,000 or More	-	0%	64	10%
<b>Total</b>	<b>6</b>	<b>100%</b>	<b>654</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$9,250</b>		<b>\$15,000</b>	

\*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.1301		SFU	
< \$1,000	-	0%	2	0%
\$1,000 to \$4,999	1	17%	54	10%
\$5,000 to \$9,999	2	33%	108	20%
\$10,000 to \$14,999	1	17%	101	19%
\$15,000 to \$19,999	1	17%	68	13%
\$20,000 to \$29,999	1	17%	139	26%
\$30,000 to \$39,999	-	0%	53	10%
\$40,000 or More	-	0%	16	3%
<b>Total</b>	<b>6</b>	<b>100%</b>	<b>541</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$9,250</b>		<b>\$15,000</b>	

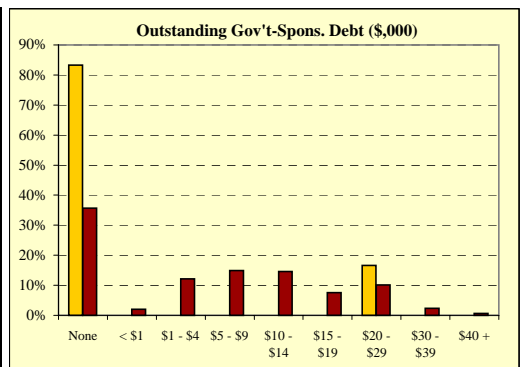
\*includes only cases where government-sponsored debt was incurred



\*Of those who incurred gov't-sponsored debt

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.1301		SFU	
None - Loan repaid in full	5	83%	179	36%
< \$1,000	-	0%	10	2%
\$1,000 to \$4,999	-	0%	61	12%
\$5,000 to \$9,999	-	0%	75	15%
\$10,000 to \$14,999	-	0%	73	15%
\$15,000 to \$19,999	-	0%	38	8%
\$20,000 to \$29,999	1	17%	51	10%
\$30,000 to \$39,999	-	0%	12	2%
\$40,000 or More	-	0%	3	1%
<b>Total</b>	<b>6</b>	<b>100%</b>	<b>502</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$0</b>		<b>\$5,000</b>	

\*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided



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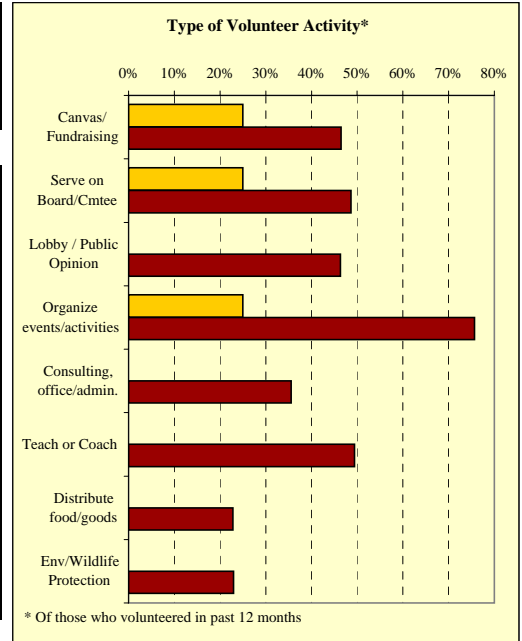
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**SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY**

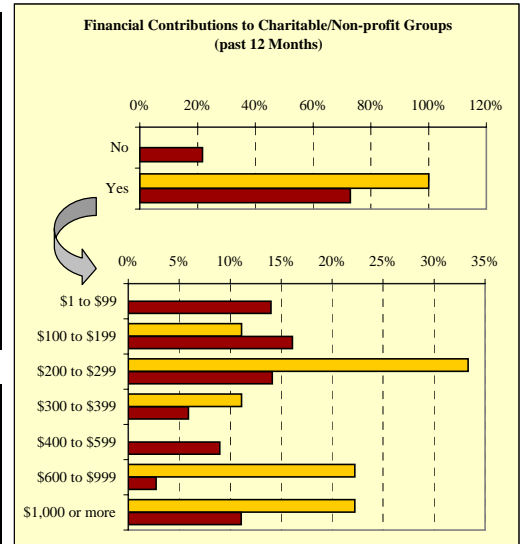
29. In the past 12 months, have you acted as an unpaid volunteer?	14.1301		SFU	
No	5	56%	585	40%
Yes	4	44%	872	60%
Volunteer Hours/Week (Median)	-		1	

30. In the past 12 months, as an unpaid volunteer for an organization did you...	14.1301		SFU	
do any canvassing, campaigning or fundraising?	1	25%*	405	46%*
serve as an unpaid member of a board or committee?	1	25%*	424	49%*
provide information or help to educate, influence public opinion, or lobby others?	-	0%*	404	46%*
help to organize/supervise activities/events for an organization?	1	25%*	660	76%*
do any consulting, executive, office or administrative work?	-	0%*	310	36%*
teach or coach for an organization?	-	0%*	431	49%*
collect, serve or deliver food or other goods?	-	0%*	199	23%*
engage in any activities aimed at protecting the environment or wildlife?	-	0%*	200	23%*

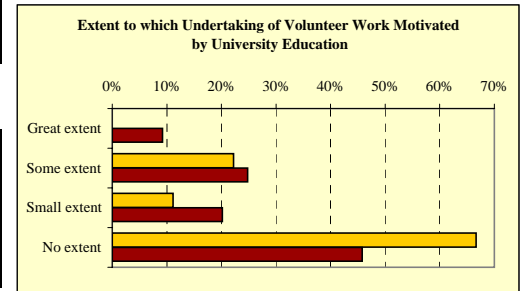
\*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31. Financial contributions to charitable or non-profit groups in past 12 months	14.1301		SFU	
\$0 (None)	-	0%	320	22%
\$1 to \$99	-	0%	206	14%
\$100 to \$199	1	11%	237	16%
\$200 to \$299	3	33%	208	14%
\$300 to \$399	1	11%	87	6%
\$400 to \$599	-	0%	132	9%
\$600 to \$999	2	22%	40	3%
\$1,000 or more	2	22%	163	11%
Median Annual Contribution	\$300		\$200	



32. Member or Participant in...	14.1301		SFU	
Union/Professional Association (work-related)	3	33%	970	66%
Political organization	2	22%	76	5%
Cultural, educational or hobby organization	2	22%	493	33%
Sports or recreation organization	2	22%	627	43%
Religious-affiliated group	2	22%	282	19%
School group, civic, or community association	-	0%	418	28%
Other	1	11%	108	7%



33. To what extent did your university education motivate you to undertake volunteer work?	14.1301		SFU	
Great extent	-	0%*	132	9%*
Some extent	2	22%*	355	25%*
Small extent	1	11%*	289	20%*
No extent	6	67%*	655	46%*

\*percentages are of those who thought question was applicable