

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

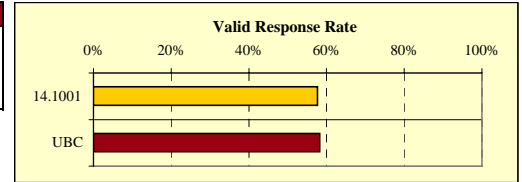
Detailed Summary of Survey Results  
University of British Columbia

6 Digit CIP: 14.1001: Electrical, Electronics & Communications Engineering

■ UBC  
■ 14.1001

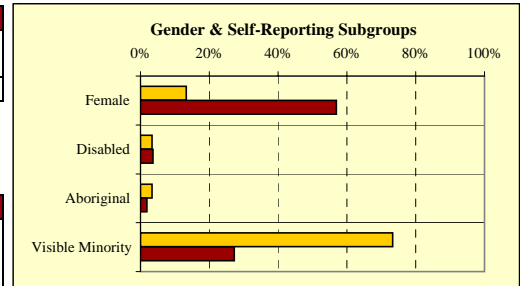
## RESPONSE RATE

1. Survey Response Rate:	14.1001	UBC	
Baccalaureate Graduates Survey Cohort	75	4,701	
Net Frame	52	4,135	
Survey Respondents and Valid Response Rate	30	58%	2,409 58%



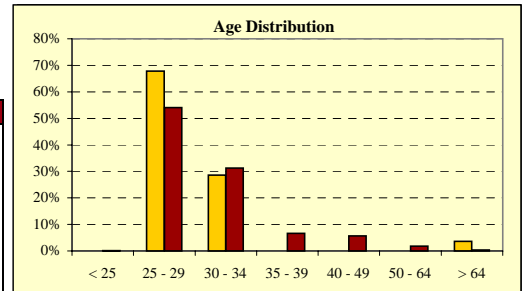
## DEMOGRAPHIC INFORMATION

2. Gender:	14.1001	UBC	
Male	26	87%	1,037 43%
Female	4	13%	1,372 57%
Total	30	100%	2,409 100%

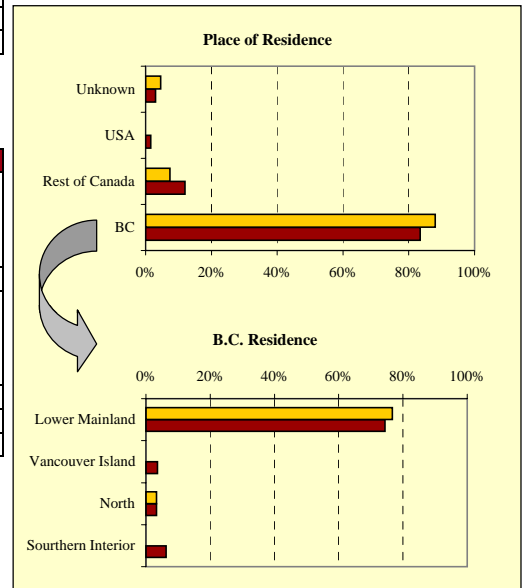


3. Self-Reporting Subgroups:	14.1001	UBC	
Disabled	1	3%	88 4%
Aboriginal	1	3%	45 2%
Visible Minority	22	73%	657 27%

4. Age (at time of survey):	14.1001	UBC	
< 25	-	0%	2 0%
25 to 29	19	68%	1,281 54%
30 to 34	8	29%	742 31%
35 to 39	-	0%	158 7%
40 to 49	-	0%	133 6%
50 to 64	-	0%	44 2%
> 64	1	4%	10 0%
Unknown	2	7%	39 2%
Total	28	100%	2,370 100%
Mean Age:	30.9	31.2	

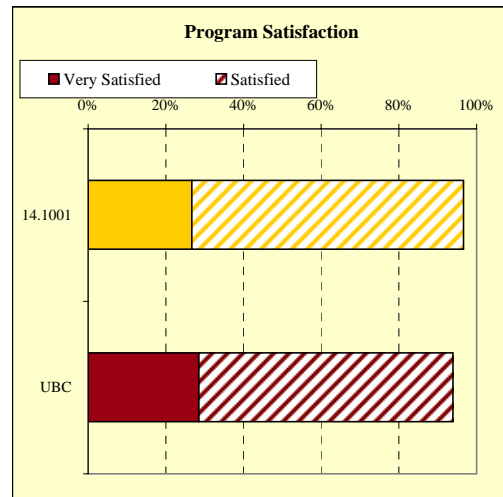


5. Place of Residence (at time of survey):	14.1001	UBC	
BC - Lower Mainland	23	77%	1,793 74%
BC - Vancouver Island	-	0%	86 4%
BC - North	1	3%	78 3%
BC - Southern Interior	-	0%	150 6%
B.C. Subtotal	24	80%	2,107 87%
Canada - Alberta	-	0%	55 2%
Canada - Ontario	1	3%	99 4%
Canada - Other	-	0%	41 2%
U.S.A.	5	17%	64 3%
Non-B.C. Subtotal	6	20%	259 11%
Unknown	-	0%	43 2%
Total	30	100%	2,409 100%



EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	14.1001		UBC	
Very Satisfied	8	27%	685	29%
Satisfied	21	70%	1,573	65%
Dissatisfied	1	3%	128	5%
Very Dissatisfied	-	0%	16	1%
Total	30	100%	2,402	100%

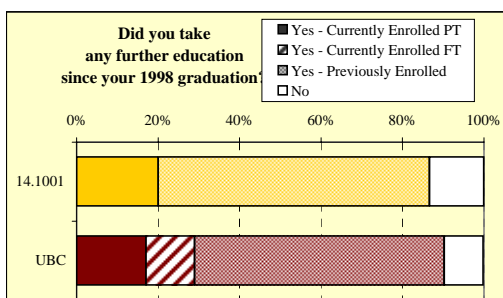


7. Would you select the same program again?	14.1001		UBC	
Yes	24	80%	1,660	71%
No, because . . . (multiple response question)	6		665	
. . . not enough course variety offered	-	0%*	8	1%*
. . . skills acquired were not very useful	1	13%*	58	7%*
. . . courses were poorly taught	-	0%*	20	2%*
. . . program was too general	-	0%*	49	6%*
. . . courses were not practical	1	13%*	117	14%*
. . . interests have changed	1	13%*	186	22%*
. . . little or no career opportunities	1	13%*	207	25%*
. . . disagree with grading system	-	0%*	2	0%*
. . . disliked institution	-	0%*	3	0%*
. . . other	4	50%*	185	22%*

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

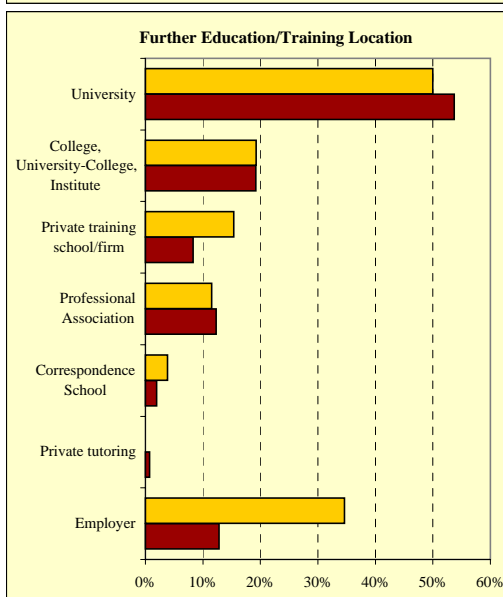
FURTHER EDUCATION

8. Took further education since 1996 graduation?	14.1001		UBC	
Yes:	26	87%	2,178	90%
Not currently enrolled	20	67%	1,476	61%
Currently enrolled full-time	-	0%	288	12%
Currently enrolled part-time	6	20%	411	17%
No	4	13%	231	10%
Total	30	100%	2,409	100%



9. Further education/training location (multiple resp.):*	14.1001		UBC	
University	13	50%*	1,170	54%*
College, University-College, Institute	5	19%*	418	19%*
Private training school/firm	4	15%*	181	8%*
Professional Association	3	12%*	268	12%*
Correspondence School	1	4%*	42	2%*
Private Tutoring	-	0%*	16	1%*
Employer	9	35%*	279	13%*
Other	1	4%*	69	3%*
Total Respondents	26		2,178	

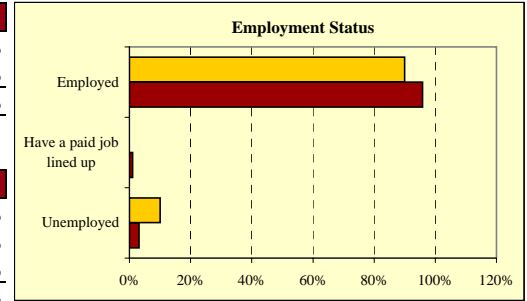
\* Percent of respondents



10. Main Reason for Further Education:	14.1001		UBC	
Pursue another Bachelor degree	-	0%	164	7%
Pursue Masters studies	8	23%	263	11%
Pursue Doctoral studies	-	0%	71	3%
Career / job / employment related	21	60%	1,515	62%
Challenge myself intellectually	4	11%	195	8%
To please parents/family	-	0%	2	0%
Did not have a primary/main reason for enrolling	-	0%	6	0%
Required by employer	-	0%	63	3%
Other	2	6%	162	7%
Total	35	100%	2,441	100%

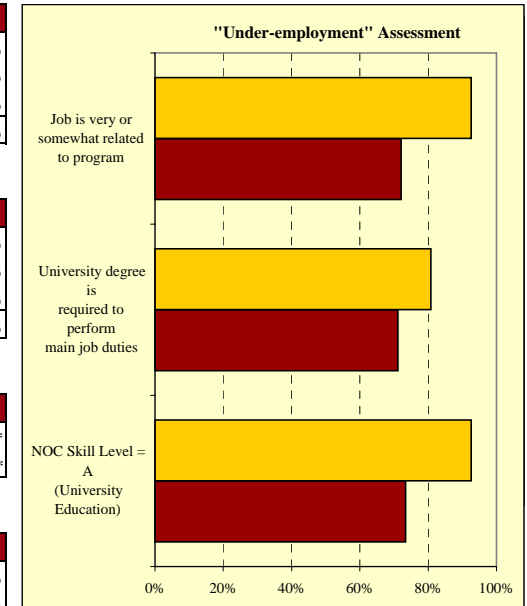
EMPLOYMENT

11. Labour Force Status:	14.1001	UBC
In Labour Force (working or seeking work)	30 100%	2,198 91%
Not in Labour Force	- 0%	211 9%
Grand Total	30 100%	2,409 100%



12. Employment Status of those IN Labour Force:	14.1001	UBC
Employed	27 90%	2,107 96%
Have a paid job lined up	- 0%	22 1%
Unemployed	3 10%	69 3%
Total Labour Force	30 100%	2,198 100%

13. Status of Graduates NOT in Labour Force:	14.1001	UBC
Attending School FT	N/A	106 50%
Attending School PT	N/A	13 6%
Other	N/A	92 44%
Total NOT in Labour Force	-	211 100%



14. Employment Type:	14.1001	UBC
Paid worker	24 89%	1,845 88%
Self-employed	2 7%	171 8%
Both a paid worker and self-employed	1 4%	91 4%
Total Employed	27 100%	2,107 100%

15. Job Characteristics:	14.1001	UBC
I hold more than one job	2 7%*	297 14%*
My main job is full-time (>= 30 hours per week)	26 96%**	1,822 88%**

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

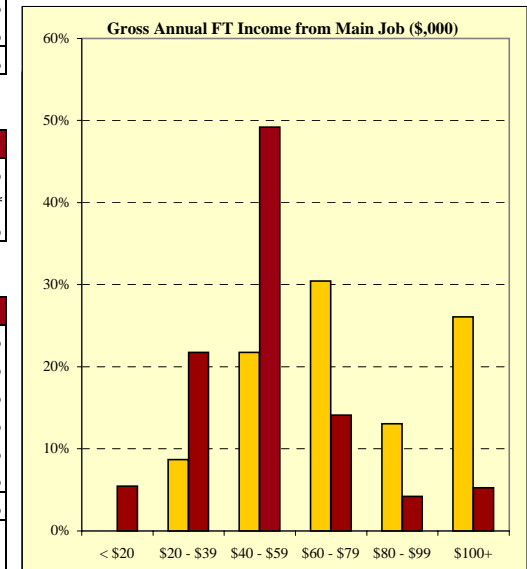
16. How related is your main job to your program?:	14.1001	UBC
Very Related	10 37%	896 43%
Somewhat Related	15 56%	623 30%
Not Very Related	1 4%	270 13%
Not At All Related	1 4%	316 15%
Total	27 100%	2,105 100%

17. "Under-employment" Assessment:	14.1001	UBC
Job is very or somewhat related to program	25 93%	1,519 72%
University degree is required to perform main job duties	21 81%*	1,444 71%*
NOC Skill Level = A (University Education)	25 93%	1,536 73%

\* of total valid responses

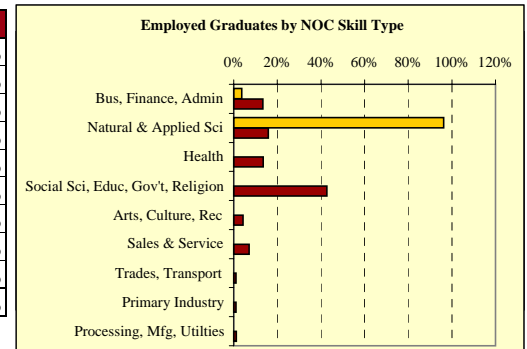
18. Gross Annual Income from Main Job:*	14.1001	UBC
Less than \$20,000	- 0%	104 5%
\$20,000 to \$39,999	2 9%	415 22%
\$40,000 to \$59,999	5 22%	938 49%
\$60,000 to \$79,999	7 30%	269 14%
\$80,000 to \$99,999	3 13%	80 4%
\$100,000 and Above	6 26%	100 5%
Total	23 100%	1,906 100%
Median Annual Income (full-time)	\$76,500	\$47,000
Average Annual Income (full-time)	\$105,173	\$57,205

\* where data provided

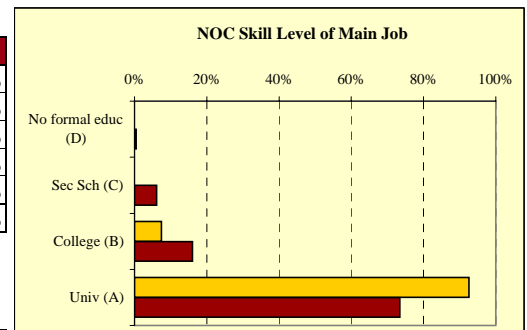


EMPLOYMENT, continued

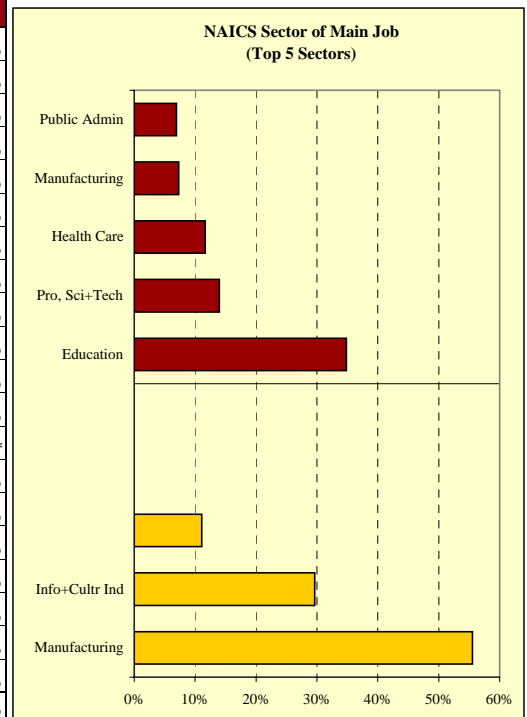
19. NOC Skill Type of Main Job:	14.1001	UBC
Business, Finance and Administration	1 4%	280 13%
Natural and Applied Sciences and Related	26 96%	332 16%
Health	- 0%	282 13%
Social Sciences, Educ., Gov't Services, Religion	- 0%	894 43%
Arts, Culture, Recreation and Sport	- 0%	90 4%
Sales and Service	- 0%	147 7%
Trades, Transport and Eqp. Operators and Related	- 0%	21 1%
Unique to the Primary Industry	- 0%	21 1%
Unique to Processing, Manufacturing and Utilities	- 0%	24 1%
Total	27 100%	2,091 100%



20. NOC Skill Level of Main Job:	14.1001	UBC
A. University education	25 93%	1,536 73%
B. College education/trade apprenticeship	2 7%	336 16%
C. Secondary school + job-specific training	- 0%	128 6%
D. No formal education	- 0%	10 0%
No Skill Level assigned (management)	- 0%	83 4%
Total	27 100%	2,093 100%



21. NAICS Sector of Main Job:	14.1001	UBC
Agriculture, Forestry, Fishing and Hunting	* *	32 2%
Mining and Oil and Gas Extraction	* *	10 0%
Utilities	* *	11 1%
Construction	* *	18 1%
Manufacturing	15 56%	152 7%
Wholesale Trade	* *	16 1%
Retail Trade	* *	84 4%
Transportation and Warehousing	* *	36 2%
Information and Cultural Industries	8 30%	109 5%
Finance and Insurance	* *	97 5%
Real Estate and Rental and Leasing	* *	12 1%
Professional, Scientific and Technical Services	* *	292 14%
Management of Companies and Enterprises	* *	* *
Admin., Support, Waste Mgmt., Remediation Svcs.	* *	10 0%
Education Services	* *	727 35%
Health Care and Social Assistance	* *	243 12%
Arts, Entertainment and Recreation	* *	34 2%
Accommodation and Food services	* *	21 1%
Other Service (except Public Administration)	* *	38 2%
Public Administration	* *	145 7%
Total	27 100%	2087 100%



\*data not displayed where n < 5

EMPLOYMENT, continued

22a. **Top 10 Full-time Occupations of 14.1001 Graduates:**

			14.1001	
NOC	NOC	Skill Level Description	% Employed FT in this Occ.**	Median FT Salary
2147	A	Computer Engineers	26%	\$87,000
2173	A	Software Engineers	22%	\$71,500
2174	A	Computer Programmers/Interactive Media Developers	19%	\$57,200
*				
*				
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\*data not displayed where n < 5

\*\*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 University of British Columbia:**

			UBC	
NOC	NOC	Skill Level Description	% Employed FT in this Occ.**	Median FT Salary
4141	A	Secondary School Teachers	13%	\$44,000
4142	A	Elem & Kindergarten Teacher	10%	\$42,000
4112	A	Lawyers & Quebec Notaries	4%	\$77,500
3152	A	Registered Nurses	3%	\$51,000
1111	A	Financial Auditors & Acnts	2%	\$62,000
3131	A	Pharmacists	2%	\$65,208
2173	A	Software Engineers	2%	\$60,500
1122	A	Occs in Bus Srvc to Mgmt	2%	\$60,500
4131	A	College & Other Voc Instructors	1%	\$40,000
6221	B	Tech Sales Specialists, Wholesale	1%	\$65,000

\*data not displayed where n < 5

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

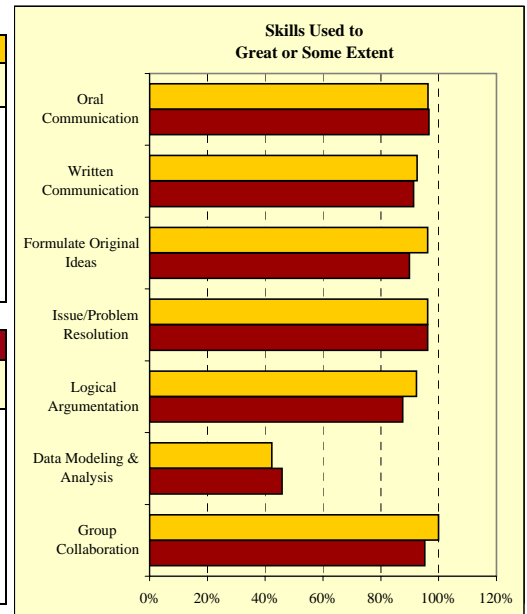
SKILLS USED IN EMPLOYMENT

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

	14.1001				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	74%	22%	4%	0%	27
Written Communication	63%	30%	4%	4%	27
Formulate Original Ideas	73%	23%	4%	0%	26
Issue/Problem Resolution	77%	19%	4%	0%	26
Logical Argumentation	58%	35%	8%	0%	26
Data Modeling & Analysis	15%	27%	42%	15%	26
Group Collaboration	81%	19%	0%	0%	26

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

	UBC				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	81%	16%	3%	1%	2,103
Written Communication	69%	22%	6%	2%	2,102
Formulate Original Ideas	53%	37%	8%	2%	2,101
Issue/Problem Resolution	78%	18%	3%	1%	2,102
Logical Argumentation	53%	35%	10%	3%	2,097
Data Modeling & Analysis	20%	26%	31%	24%	2,093
Group Collaboration	77%	18%	4%	1%	2,103



EDUCATION FINANCING

24. Education Funding Sources (2 sources per respondent):	14.1001		UBC	
Personal Savings	6	20%*	409	17%*
Employment	13	43%*	1,450	60%*
Family/Friends	13	43%*	980	41%*
Bank Loans	-	0%*	32	1%*
Student Loans	10	33%*	845	35%*
Scholarships/Bursaries/Grants	4	13%*	336	14%*
Other	1	3%*	36	1%*
<b>Total Respondents</b>	<b>30</b>		<b>2,409</b>	

\* Percentage of respondents who identified this source

25. Financial Debt Incurred to Finance Univ. Education:	14.1001		UBC	
Incurred any form of financial debt	13	45%*	996	43%*
Incurred government-sponsored student loan debt	11	38%*	856	37%*

\* Percentage of respondents who provided data

26. Financial Debt Amount:*	14.1001		UBC	
< \$1,000	-	0%	5	1%
\$1,000 to \$4,999	4	31%	92	9%
\$5,000 to \$9,999	3	23%	188	19%
\$10,000 to \$14,999	1	8%	215	22%
\$15,000 to \$19,999	1	8%	124	12%
\$20,000 to \$29,999	3	23%	209	21%
\$30,000 to \$39,999	1	8%	115	12%
\$40,000 or More	-	0%	48	5%
<b>Total</b>	<b>13</b>	<b>100%</b>	<b>996</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$8,000</b>		<b>\$14,000</b>	

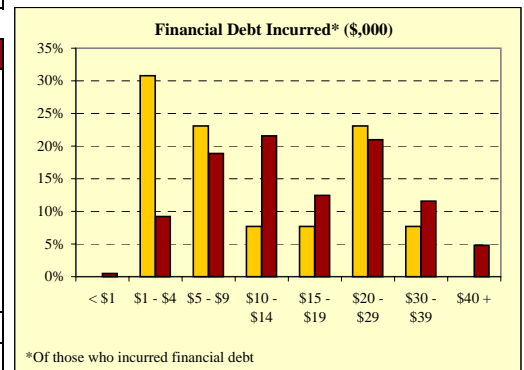
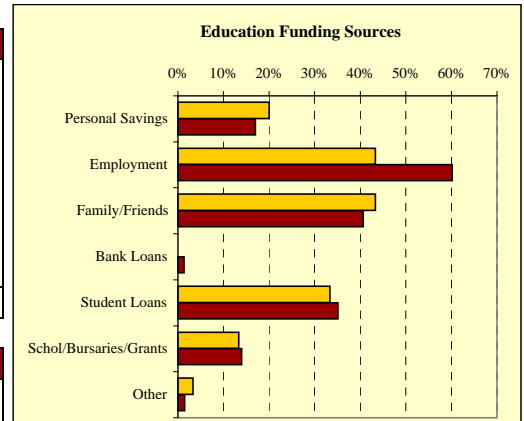
\*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.1001		UBC	
< \$1,000	-	0%	6	1%
\$1,000 to \$4,999	2	18%	74	9%
\$5,000 to \$9,999	3	27%	172	20%
\$10,000 to \$14,999	1	9%	184	21%
\$15,000 to \$19,999	1	9%	126	15%
\$20,000 to \$29,999	4	36%	206	24%
\$30,000 to \$39,999	-	0%	75	9%
\$40,000 or More	-	0%	13	2%
<b>Total</b>	<b>11</b>	<b>100%</b>	<b>856</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$12,000</b>		<b>\$14,000</b>	

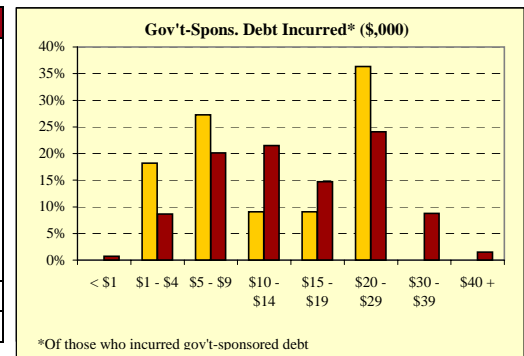
\*includes only cases where government-sponsored debt was incurred

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.1001		UBC	
None - Loan repaid in full	7	64%	348	44%
< \$1,000	-	0%	8	1%
\$1,000 to \$4,999	1	9%	106	14%
\$5,000 to \$9,999	2	18%	127	16%
\$10,000 to \$14,999	-	0%	73	9%
\$15,000 to \$19,999	-	0%	50	6%
\$20,000 to \$29,999	1	9%	54	7%
\$30,000 to \$39,999	-	0%	12	2%
\$40,000 or More	-	0%	6	1%
<b>Total</b>	<b>11</b>	<b>100%</b>	<b>784</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$0</b>		<b>\$2,000</b>	

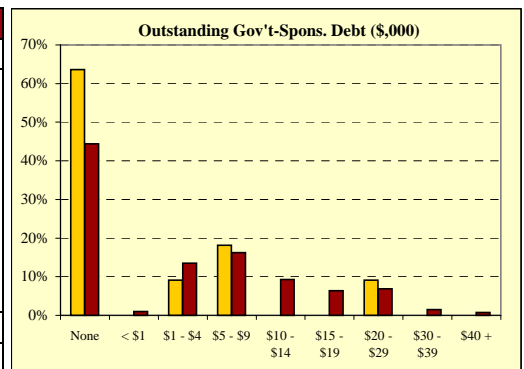
\*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided



\*Of those who incurred financial debt



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

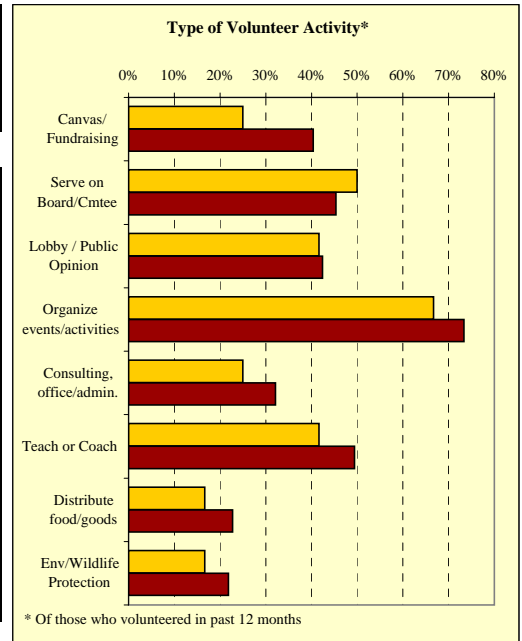


SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

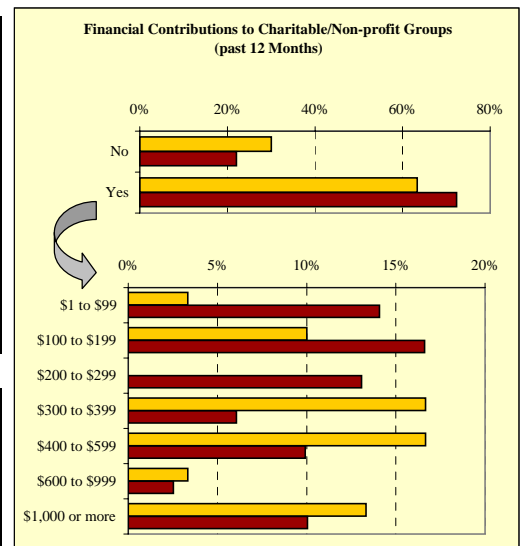
29.	In the past 12 months, have you acted as an unpaid volunteer?	14.1001		UBC	
	No	18	60%	1,046	44%
	Yes	12	40%	1,339	56%
	Volunteer Hours/Week (Median)	1		1	

30.	In the past 12 months, as an unpaid volunteer for an organization did you...	14.1001		UBC	
	do any canvassing, campaigning or fundraising?	3	25%*	541	40%*
	serve as an unpaid member of a board or committee?	6	50%*	607	45%*
	provide information or help to educate, influence public opinion, or lobby others?	5	42%*	568	42%*
	help to organize/supervise activities/events for an organization?	8	67%*	982	73%*
	do any consulting, executive, office or administrative work?	3	25%*	430	32%*
	teach or coach for an organization?	5	42%*	662	49%*
	collect, serve or deliver food or other goods?	2	17%*	305	23%*
	engage in any activities aimed at protecting the environment or wildlife?	2	17%*	292	22%*

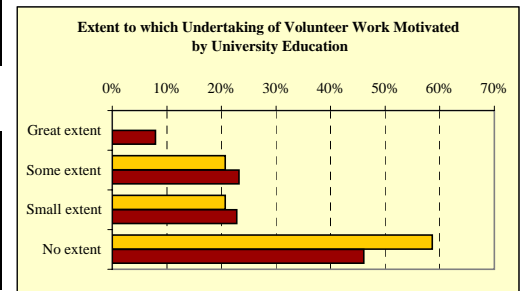
\*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31.	Financial contributions to charitable or non-profit groups in past 12 months	14.1001		UBC	
	\$0 (None)	9	30%	531	22%
	\$1 to \$99	1	3%	339	14%
	\$100 to \$199	3	10%	400	17%
	\$200 to \$299	-	0%	315	13%
	\$300 to \$399	5	17%	146	6%
	\$400 to \$599	5	17%	239	10%
	\$600 to \$999	1	3%	61	3%
	\$1,000 or more	4	13%	242	10%
	Median Annual Contribution	\$400		\$200	



32.	Member or Participant in...	14.1001		UBC	
	Union/Professional Association (work-related)	12	40%	1,655	69%
	Political organization	1	3%	108	4%
	Cultural, educational or hobby organization	10	33%	772	32%
	Sports or recreation organization	11	37%	1,074	45%
	Religious-affiliated group	13	43%	492	20%
	School group, civic, or community association	2	7%	612	25%
	Other	1	3%	195	8%



33.	To what extent did your university education motivate you to undertake volunteer work?	14.1001		UBC	
	Great extent	-	0%*	186	8%*
	Some extent	6	21%*	544	23%*
	Small extent	6	21%*	535	23%*
	No extent	17	59%*	1,081	46%*

\*percentages are of those who thought question was applicable