

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

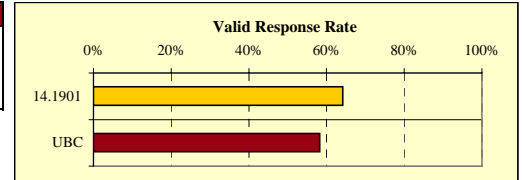
Detailed Summary of Survey Results
University of British Columbia

6 Digit CIP: 14.1901: Mechanical Engineering



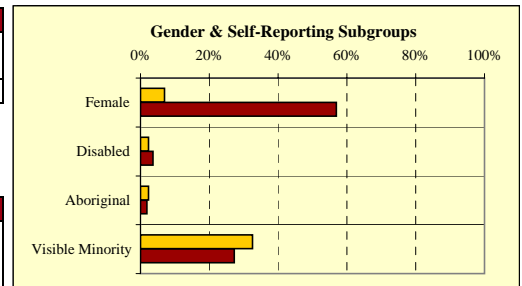
RESPONSE RATE

1. Survey Response Rate:	14.1901	UBC		
Baccalaureate Graduates Survey Cohort	83		4,701	
Net Frame	67		4,135	
Survey Respondents and Valid Response Rate	43	64%	2,409	58%



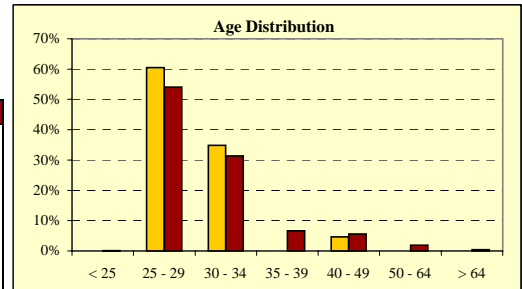
DEMOGRAPHIC INFORMATION

2. Gender:	14.1901	UBC		
Male	40	93%	1,037	43%
Female	3	7%	1,372	57%
Total	43	100%	2,409	100%

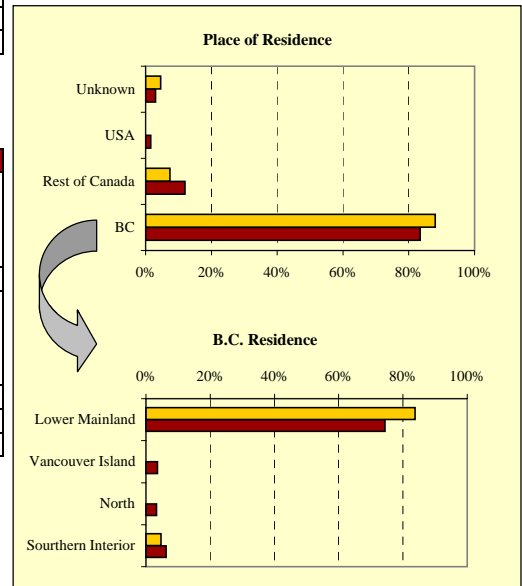


3. Self-Reporting Subgroups:	14.1901	UBC		
Disabled	1	2%	88	4%
Aboriginal	1	2%	45	2%
Visible Minority	14	33%	657	27%

4. Age (at time of survey):	14.1901	UBC		
< 25	-	0%	2	0%
25 to 29	26	60%	1,281	54%
30 to 34	15	35%	742	31%
35 to 39	-	0%	158	7%
40 to 49	2	5%	133	6%
50 to 64	-	0%	44	2%
> 64	-	0%	10	0%
Unknown	-	0%	39	2%
Total	43	100%	2,370	100%
Mean Age:	29.9		31.2	

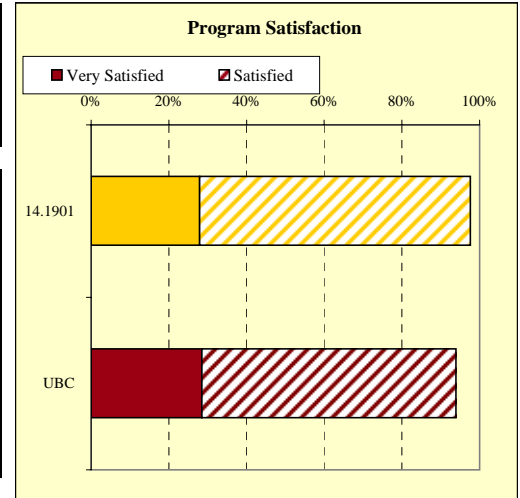


5. Place of Residence (at time of survey):	14.1901	UBC		
BC - Lower Mainland	36	84%	1,793	74%
BC - Vancouver Island	-	0%	86	4%
BC - North	-	0%	78	3%
BC - Southern Interior	2	5%	150	6%
B.C. Subtotal	38	88%	2,107	87%
Canada - Alberta	1	2%	55	2%
Canada - Ontario	-	0%	99	4%
Canada - Other	-	0%	41	2%
U.S.A.	2	5%	64	3%
Non-B.C. Subtotal	3	7%	259	11%
Unknown	2	5%	43	2%
Total	43	100%	2,409	100%



EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	14.1901	UBC
Very Satisfied	12 28%	685 29%
Satisfied	30 70%	1,573 65%
Dissatisfied	1 2%	128 5%
Very Dissatisfied	- 0%	16 1%
Total	43 100%	2,402 100%

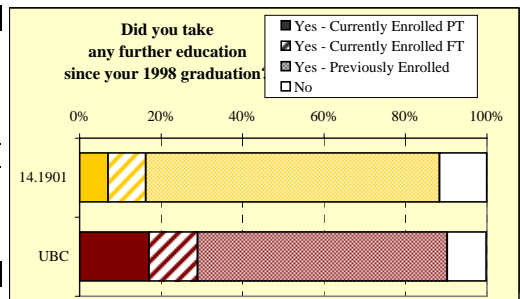


7. Would you select the same program again?	14.1901	UBC
Yes	27 64%	1,660 71%
No, because . . . (multiple response question)	15	665
. . . not enough course variety offered	- 0%*	8 1%*
. . . skills acquired were not very useful	1 6%*	58 7%*
. . . courses were poorly taught	- 0%*	20 2%*
. . . program was too general	- 0%*	49 6%*
. . . courses were not practical	1 6%*	117 14%*
. . . interests have changed	5 29%*	186 22%*
. . . little or no career opportunities	6 35%*	207 25%*
. . . disagree with grading system	- 0%*	2 0%*
. . . disliked institution	- 0%*	3 0%*
. . . other	4 24%*	185 22%*

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

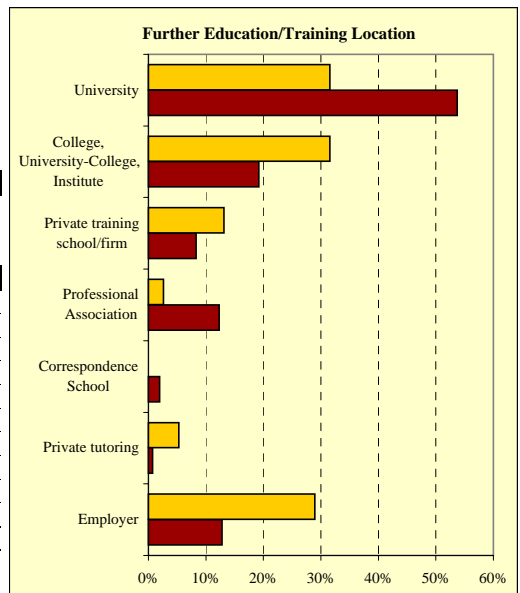
FURTHER EDUCATION

8. Took further education since 1996 graduation?	14.1901	UBC
Yes:	38 88%	2,178 90%
Not currently enrolled	31 72%	1,476 61%
Currently enrolled full-time	4 9%	288 12%
Currently enrolled part-time	3 7%	411 17%
No	5 12%	231 10%
Total	43 100%	2,409 100%



9. Further education/training location (multiple resp.):*	14.1901	UBC
University	12 32%*	1,170 54%*
College, University-College, Institute	12 32%*	418 19%*
Private training school/firm	5 13%*	181 8%*
Professional Association	1 3%*	268 12%*
Correspondence School	- 0%*	42 2%*
Private Tutoring	2 5%*	16 1%*
Employer	11 29%*	279 13%*
Other	2 5%*	69 3%*
Total Respondents	38	2,178

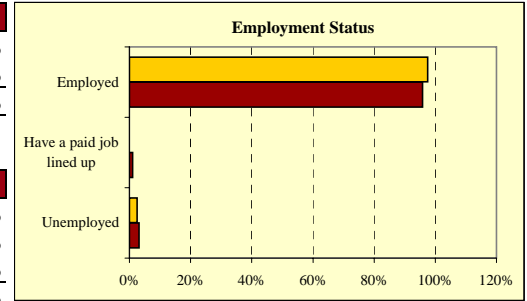
* Percent of respondents



10. Main Reason for Further Education:	14.1901	UBC
Pursue another Bachelor degree	- 0%	164 7%
Pursue Masters studies	4 9%	263 11%
Pursue Doctoral studies	- 0%	71 3%
Career / job / employment related	30 67%	1,515 62%
Challenge myself intellectually	6 13%	195 8%
To please parents/family	- 0%	2 0%
Did not have a primary/main reason for enrolling	1 2%	6 0%
Required by employer	2 4%	63 3%
Other	2 4%	162 7%
Total	45 100%	2,441 100%

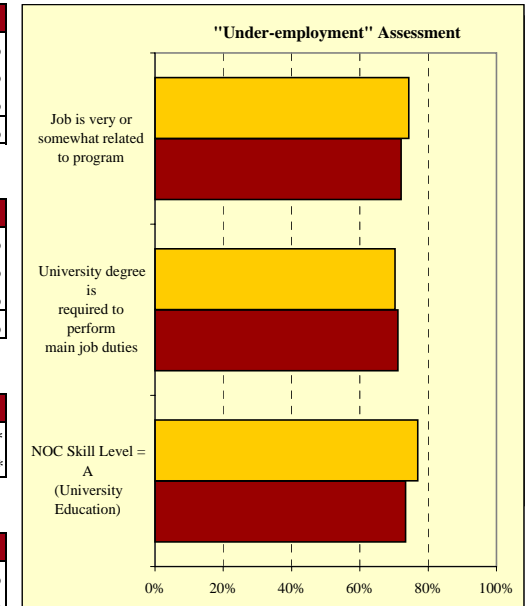
EMPLOYMENT

11. Labour Force Status:	14.1901	UBC
In Labour Force (working or seeking work)	40 93%	2,198 91%
Not in Labour Force	3 7%	211 9%
Grand Total	43 100%	2,409 100%



12. Employment Status of those IN Labour Force:	14.1901	UBC
Employed	39 98%	2,107 96%
Have a paid job lined up	- 0%	22 1%
Unemployed	1 3%	69 3%
Total Labour Force	40 100%	2,198 100%

13. Status of Graduates NOT in Labour Force:	14.1901	UBC
Attending School FT	1 33%	106 50%
Attending School PT	1 33%	13 6%
Other	1 33%	92 44%
Total NOT in Labour Force	3 100%	211 100%



14. Employment Type:	14.1901	UBC
Paid worker	38 97%	1,845 88%
Self-employed	- 0%	171 8%
Both a paid worker and self-employed	1 3%	91 4%
Total Employed	39 100%	2,107 100%

15. Job Characteristics:	14.1901	UBC
I hold more than one job	1 3%*	297 14%*
My main job is full-time (>= 30 hours per week)	38 97%**	1,822 88%**

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

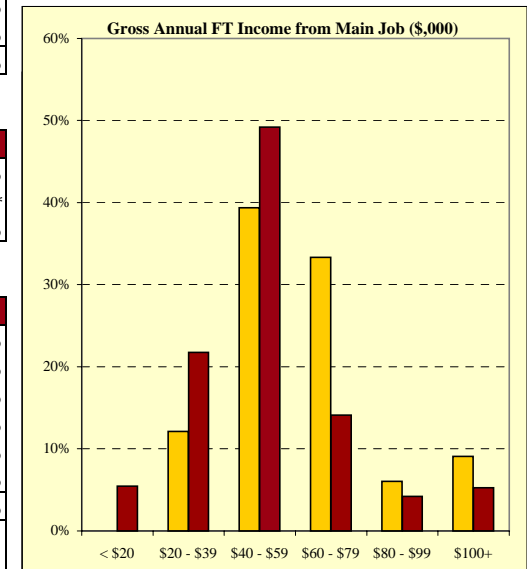
16. How related is your main job to your program?	14.1901	UBC
Very Related	16 41%	896 43%
Somewhat Related	13 33%	623 30%
Not Very Related	7 18%	270 13%
Not At All Related	3 8%	316 15%
Total	39 100%	2,105 100%

17. "Under-employment" Assessment:	14.1901	UBC
Job is very or somewhat related to program	29 74%	1,519 72%
University degree is required to perform main job duties	26 70%*	1,444 71%*
NOC Skill Level = A (University Education)	30 77%	1,536 73%

* of total valid responses

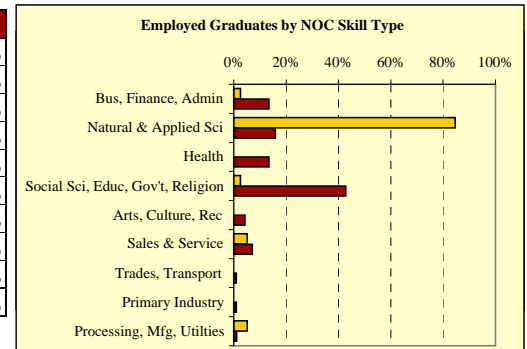
18. Gross Annual Income from Main Job:*	14.1901	UBC
Less than \$20,000	- 0%	104 5%
\$20,000 to \$39,999	4 12%	415 22%
\$40,000 to \$59,999	13 39%	938 49%
\$60,000 to \$79,999	11 33%	269 14%
\$80,000 to \$99,999	2 6%	80 4%
\$100,000 and Above	3 9%	100 5%
Total	33 100%	1,906 100%
Median Annual Income (full-time)	\$56,000	\$47,000
Average Annual Income (full-time)	\$60,448	\$57,205

* where data provided

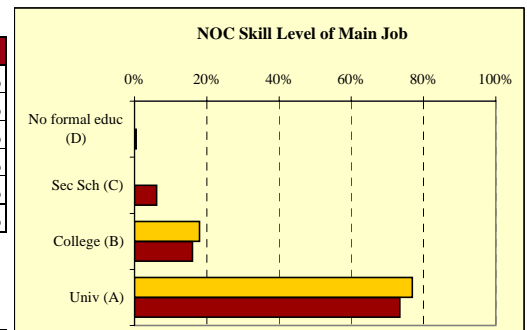


EMPLOYMENT, continued

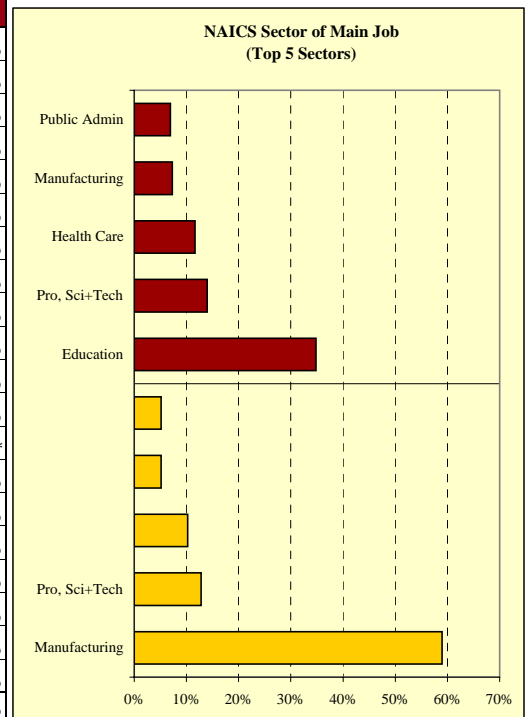
19. NOC Skill Type of Main Job:	14.1901	UBC		
Business, Finance and Administration	1	3%	280	13%
Natural and Applied Sciences and Related	33	85%	332	16%
Health	-	0%	282	13%
Social Sciences, Educ., Gov't Services, Religion	1	3%	894	43%
Arts, Culture, Recreation and Sport	-	0%	90	4%
Sales and Service	2	5%	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	2	5%	24	1%
Total	39	100%	2,091	100%



20. NOC Skill Level of Main Job:	14.1901	UBC		
A. University education	30	77%	1,536	73%
B. College education/trade apprenticeship	7	18%	336	16%
C. Secondary school + job-specific training	-	0%	128	6%
D. No formal education	-	0%	10	0%
No Skill Level assigned (management)	2	5%	83	4%
Total	39	100%	2,093	100%



21. NAICS Sector of Main Job:	14.1901	UBC		
Agriculture, Forestry, Fishing and Hunting	*	*	32	2%
Mining and Oil and Gas Extraction	*	*	10	0%
Utilities	*	*	11	1%
Construction	*	*	18	1%
Manufacturing	23	59%	152	7%
Wholesale Trade	*	*	16	1%
Retail Trade	*	*	84	4%
Transportation and Warehousing	*	*	36	2%
Information and Cultural Industries	*	*	109	5%
Finance and Insurance	*	*	97	5%
Real Estate and Rental and Leasing	*	*	12	1%
Professional, Scientific and Technical Services	5	13%	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	39	100%	2087	100%



*data not displayed where n < 5

EMPLOYMENT, continued

22a. Top 10 Full-time Occupations of 14.1901 Graduates:

14.1901			% Employed FT in this Occ.**	Median FT Salary
NOC	Skill Level	Description		
2132	A	Mechanical Engineers	49%	\$58,500
*				
*				
*				
*				
*				
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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			% Employed FT in this Occ.**	Median FT Salary
NOC	Skill Level	Description		
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	Oecs 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

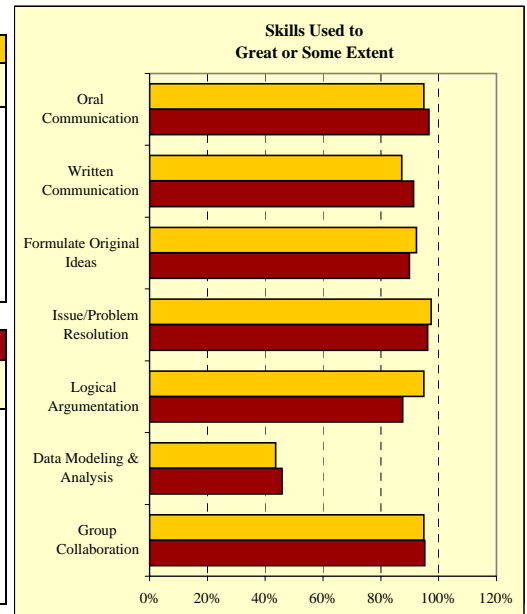
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**percentages cited are of those for whom occupational data was provided, full-time and part-time

SKILLS USED IN EMPLOYMENT

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

	14.1901				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	64%	31%	3%	3%	39
Written Communication	54%	33%	10%	3%	39
Formulate Original Ideas	38%	54%	8%	0%	39
Issue/Problem Resolution	85%	13%	3%	0%	39
Logical Argumentation	54%	41%	5%	0%	39
Data Modeling & Analysis	18%	26%	46%	10%	39
Group Collaboration	72%	23%	3%	3%	39



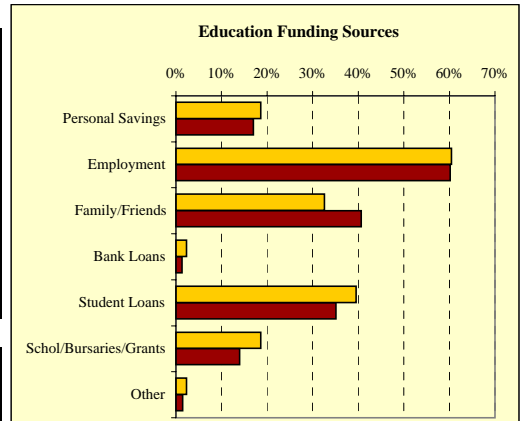
23b. To what extent do you use [the following skills] in your main job?

	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

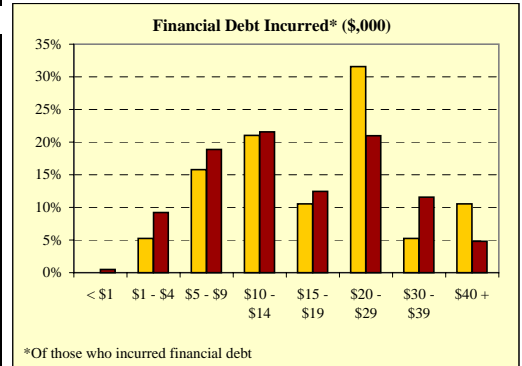
24. Education Funding Sources (2 sources per respondent):	14.1901		UBC	
Personal Savings	8	19%*	409	17%*
Employment	26	60%*	1,450	60%*
Family/Friends	14	33%*	980	41%*
Bank Loans	1	2%*	32	1%*
Student Loans	17	40%*	845	35%*
Scholarships/Bursaries/Grants	8	19%*	336	14%*
Other	1	2%*	36	1%*
Total Respondents	43		2,409	

* Percentage of respondents who identified this source



25. Financial Debt Incurred to Finance Univ. Education:	14.1901		UBC	
Incurred any form of financial debt	19	44%*	996	43%*
Incurred government-sponsored student loan debt	18	42%*	856	37%*

* Percentage of respondents who provided data



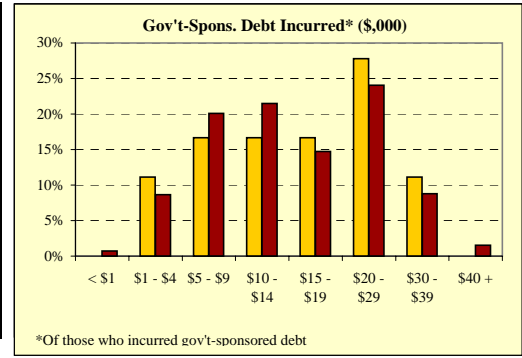
*Of those who incurred financial debt

26. Financial Debt Amount:*	14.1901		UBC	
< \$1,000	-	0%	5	1%
\$1,000 to \$4,999	1	5%	92	9%
\$5,000 to \$9,999	3	16%	188	19%
\$10,000 to \$14,999	4	21%	215	22%
\$15,000 to \$19,999	2	11%	124	12%
\$20,000 to \$29,999	6	32%	209	21%
\$30,000 to \$39,999	1	5%	115	12%
\$40,000 or More	2	11%	48	5%
Total	19	100%	996	100%
Median Financial Debt	\$15,000		\$14,000	

*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.1901		UBC	
< \$1,000	-	0%	6	1%
\$1,000 to \$4,999	2	11%	74	9%
\$5,000 to \$9,999	3	17%	172	20%
\$10,000 to \$14,999	3	17%	184	21%
\$15,000 to \$19,999	3	17%	126	15%
\$20,000 to \$29,999	5	28%	206	24%
\$30,000 to \$39,999	2	11%	75	9%
\$40,000 or More	-	0%	13	2%
Total	18	100%	856	100%
Median Gov't-Sponsored Student Loan Debt	\$15,000		\$14,000	

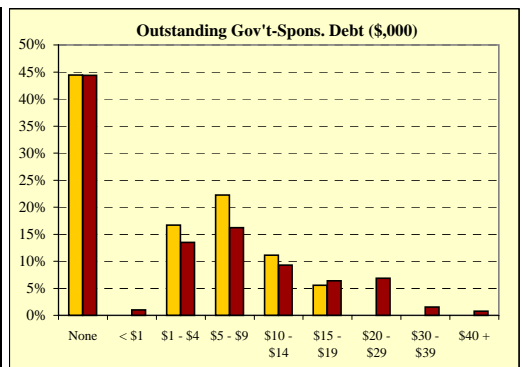
*includes only cases where government-sponsored debt was incurred



*Of those who incurred gov't-sponsored debt

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.1901		UBC	
None - Loan repaid in full	8	44%	348	44%
< \$1,000	-	0%	8	1%
\$1,000 to \$4,999	3	17%	106	14%
\$5,000 to \$9,999	4	22%	127	16%
\$10,000 to \$14,999	2	11%	73	9%
\$15,000 to \$19,999	1	6%	50	6%
\$20,000 to \$29,999	-	0%	54	7%
\$30,000 to \$39,999	-	0%	12	2%
\$40,000 or More	-	0%	6	1%
Total	18	100%	784	100%
Median Gov't-Sponsored Loan Debt Outstanding	\$2,000		\$2,000	

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

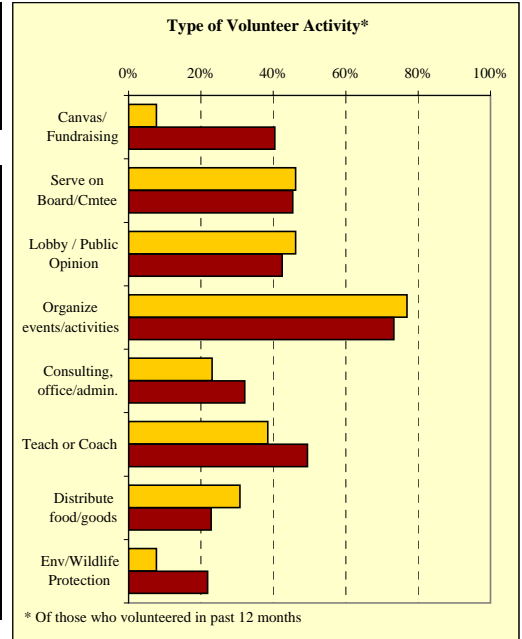


SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

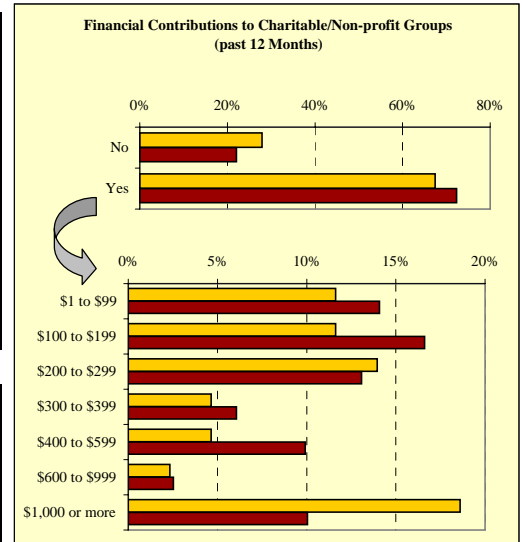
29. In the past 12 months, have you acted as an unpaid volunteer?	14.1901		UBC	
No	29	69%	1,046	44%
Yes	13	31%	1,339	56%
Volunteer Hours/Week (Median)	1		1	

30. In the past 12 months, as an unpaid volunteer for an organization did you...	14.1901		UBC	
do any canvassing, campaigning or fundraising?	1	8%*	541	40%*
serve as an unpaid member of a board or committee?	6	46%*	607	45%*
provide information or help to educate, influence public opinion, or lobby others?	6	46%*	568	42%*
help to organize/supervise activities/events for an organization?	10	77%*	982	73%*
do any consulting, executive, office or administrative work?	3	23%*	430	32%*
teach or coach for an organization?	5	38%*	662	49%*
collect, serve or deliver food or other goods?	4	31%*	305	23%*
engage in any activities aimed at protecting the environment or wildlife?	1	8%*	292	22%*

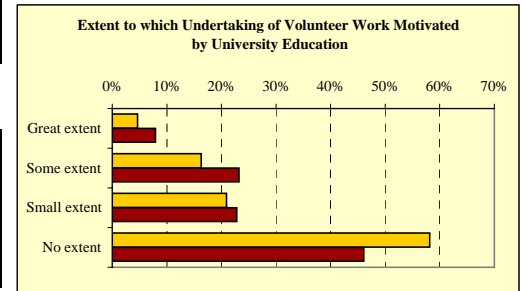
*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31. Financial contributions to charitable or non-profit groups in past 12 months	14.1901		UBC	
\$0 (None)	12	28%	531	22%
\$1 to \$99	5	12%	339	14%
\$100 to \$199	5	12%	400	17%
\$200 to \$299	6	14%	315	13%
\$300 to \$399	2	5%	146	6%
\$400 to \$599	2	5%	239	10%
\$600 to \$999	1	2%	61	3%
\$1,000 or more	8	19%	242	10%
Median Annual Contribution	\$250		\$200	



32. Member or Participant in...	14.1901		UBC	
Union/Professional Association (work-related)	27	63%	1,655	69%
Political organization	-	0%	108	4%
Cultural, educational or hobby organization	8	19%	772	32%
Sports or recreation organization	18	42%	1,074	45%
Religious-affiliated group	9	21%	492	20%
School group, civic, or community association	4	9%	612	25%
Other	4	9%	195	8%



33. To what extent did your university education motivate you to undertake volunteer work?	14.1901		UBC	
Great extent	2	5%*	186	8%*
Some extent	7	16%*	544	23%*
Small extent	9	21%*	535	23%*
No extent	25	58%*	1,081	46%*

*percentages are of those who thought question was applicable