

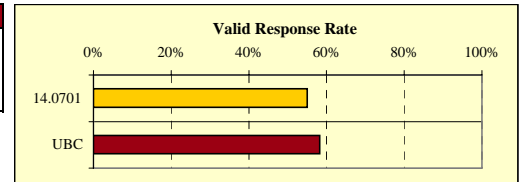
B.C. University Student Outcomes 2001 Survey of 1996 Baccalaureate Graduates

Detailed Summary of Survey Results
University of British Columbia
6 Digit CIP: 14.0701: Chemical Engineering

■ UBC
■ 14.0701

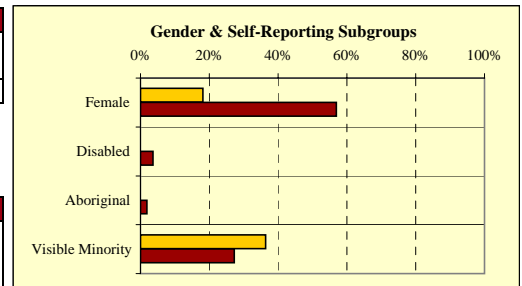
RESPONSE RATE

1. Survey Response Rate:	14.0701	UBC	
Baccalaureate Graduates Survey Cohort	26	4,701	
Net Frame	20	4,135	
Survey Respondents and Valid Response Rate	11	55%	2,409 58%



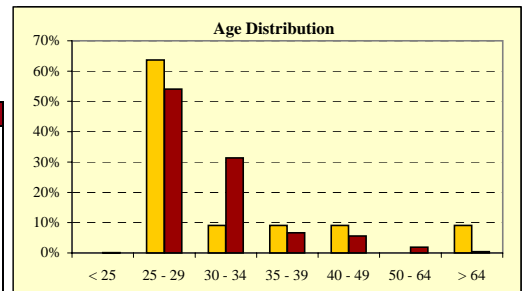
DEMOGRAPHIC INFORMATION

2. Gender:	14.0701	UBC	
Male	9	82%	1,037 43%
Female	2	18%	1,372 57%
Total	11	100%	2,409 100%

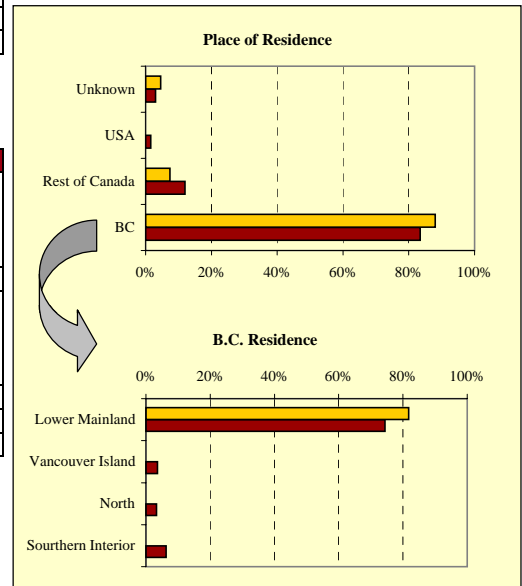


3. Self-Reporting Subgroups:	14.0701	UBC	
Disabled	-	0%	88 4%
Aboriginal	-	0%	45 2%
Visible Minority	4	36%	657 27%

4. Age (at time of survey):	14.0701	UBC	
< 25	-	0%	2 0%
25 to 29	7	64%	1,281 54%
30 to 34	1	9%	742 31%
35 to 39	1	9%	158 7%
40 to 49	1	9%	133 6%
50 to 64	-	0%	44 2%
> 64	1	9%	10 0%
Unknown	-	0%	39 2%
Total	11	100%	2,370 100%
Mean Age:	35.7	31.2	

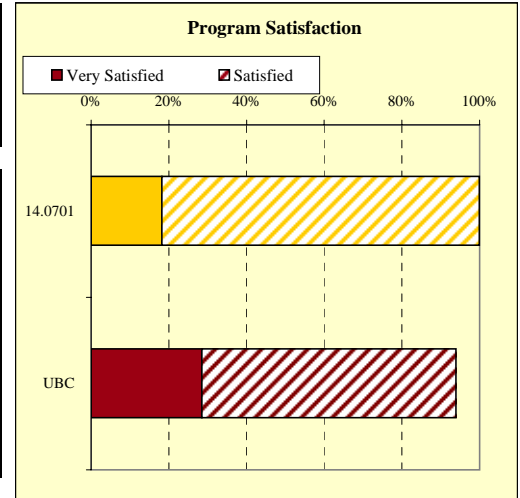


5. Place of Residence (at time of survey):	14.0701	UBC	
BC - Lower Mainland	9	82%	1,793 74%
BC - Vancouver Island	-	0%	86 4%
BC - North	-	0%	78 3%
BC - Southern Interior	-	0%	150 6%
B.C. Subtotal	9	82%	2,107 87%
Canada - Alberta	-	0%	55 2%
Canada - Ontario	1	9%	99 4%
Canada - Other	1	9%	41 2%
U.S.A.	-	0%	64 3%
Non-B.C. Subtotal	2	18%	259 11%
Unknown	-	0%	43 2%
Total	11	100%	2,409 100%



EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	14.0701		UBC	
Very Satisfied	2	18%	685	29%
Satisfied	9	82%	1,573	65%
Dissatisfied	-	0%	128	5%
Very Dissatisfied	-	0%	16	1%
Total	11	100%	2,402	100%

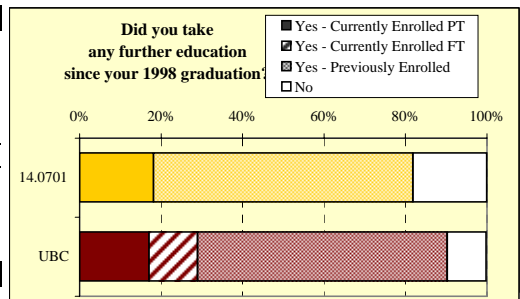


7. Would you select the same program again?	14.0701		UBC	
Yes	9	82%	1,660	71%
No, because . . . (multiple response question)	2		665	
. . . not enough course variety offered	-	0%*	8	1%*
. . . skills acquired were not very useful	-	0%*	58	7%*
. . . courses were poorly taught	-	0%*	20	2%*
. . . program was too general	-	0%*	49	6%*
. . . courses were not practical	1	50%*	117	14%*
. . . interests have changed	-	0%*	186	22%*
. . . little or no career opportunities	1	50%*	207	25%*
. . . disagree with grading system	-	0%*	2	0%*
. . . disliked institution	-	0%*	3	0%*
. . . other	-	0%*	185	22%*

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

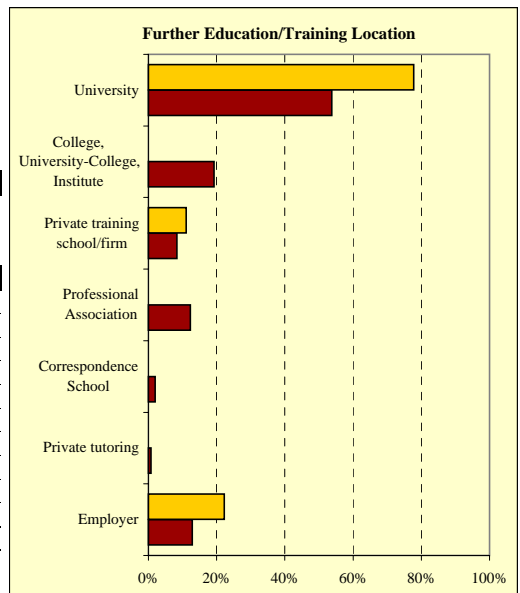
FURTHER EDUCATION

8. Took further education since 1996 graduation?	14.0701		UBC	
Yes:	9	82%	2,178	90%
Not currently enrolled	7	64%	1,476	61%
Currently enrolled full-time	-	0%	288	12%
Currently enrolled part-time	2	18%	411	17%
No	2	18%	231	10%
Total	11	100%	2,409	100%



9. Further education/training location (multiple resp.):*	14.0701		UBC	
University	7	78%*	1,170	54%*
College, University-College, Institute	-	0%*	418	19%*
Private training school/firm	1	11%*	181	8%*
Professional Association	-	0%*	268	12%*
Correspondence School	-	0%*	42	2%*
Private Tutoring	-	0%*	16	1%*
Employer	2	22%*	279	13%*
Other	-	0%*	69	3%*
Total Respondents	9		2,178	

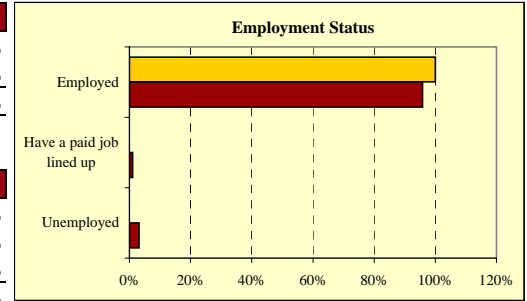
* Percent of respondents



10. Main Reason for Further Education:	14.0701		UBC	
Pursue another Bachelor degree	-	0%	164	7%
Pursue Masters studies	4	40%	263	11%
Pursue Doctoral studies	-	0%	71	3%
Career / job / employment related	3	30%	1,515	62%
Challenge myself intellectually	-	0%	195	8%
To please parents/family	1	10%	2	0%
Did not have a primary/main reason for enrolling	-	0%	6	0%
Required by employer	2	20%	63	3%
Other	-	0%	162	7%
Total	10	100%	2,441	100%

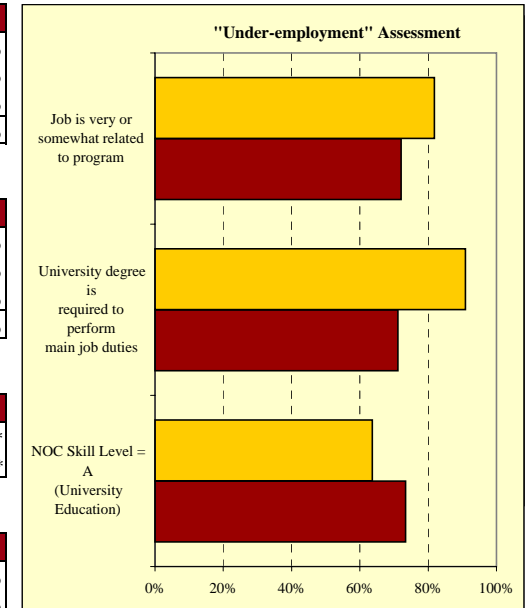
EMPLOYMENT

11. Labour Force Status:	14.0701		UBC	
In Labour Force (working or seeking work)	11	100%	2,198	91%
Not in Labour Force	-	0%	211	9%
Grand Total	11	100%	2,409	100%



12. Employment Status of those IN Labour Force:	14.0701		UBC	
Employed	11	100%	2,107	96%
Have a paid job lined up	-	0%	22	1%
Unemployed	-	0%	69	3%
Total Labour Force	11	100%	2,198	100%

13. Status of Graduates NOT in Labour Force:	14.0701		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:	14.0701		UBC	
Paid worker	11	100%	1,845	88%
Self-employed	-	0%	171	8%
Both a paid worker and self-employed	-	0%	91	4%
Total Employed	11	100%	2,107	100%

15. Job Characteristics:	14.0701		UBC	
I hold more than one job	1	9%*	297	14%*
My main job is full-time (>= 30 hours per week)	11	100%**	1,822	88%**

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

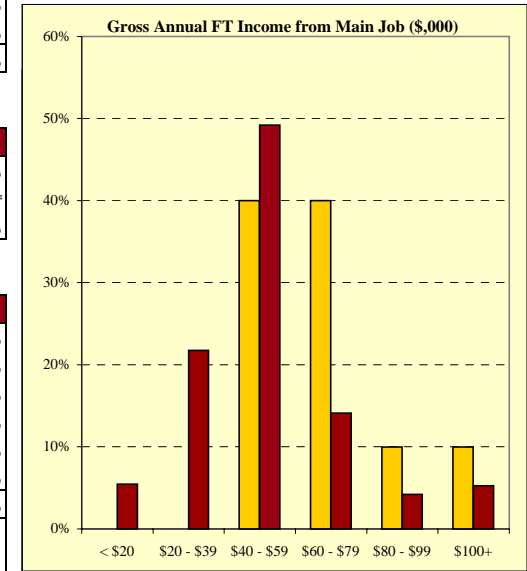
16. How related is your main job to your program?:	14.0701		UBC	
Very Related	6	55%	896	43%
Somewhat Related	3	27%	623	30%
Not Very Related	2	18%	270	13%
Not At All Related	-	0%	316	15%
Total	11	100%	2,105	100%

17. "Under-employment" Assessment:	14.0701		UBC	
Job is very or somewhat related to program	9	82%	1,519	72%
University degree is required to perform main job duties	10	91%*	1,444	71%*
NOC Skill Level = A (University Education)	7	64%	1,536	73%

* of total valid responses

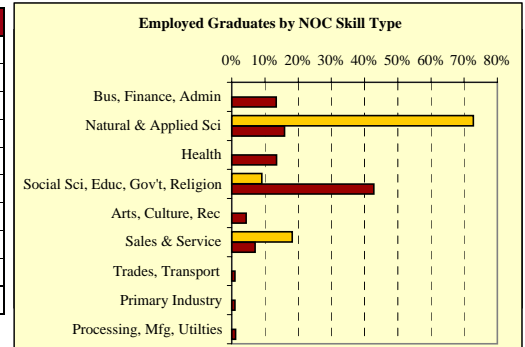
18. Gross Annual Income from Main Job:*	14.0701		UBC	
Less than \$20,000	-	0%	104	5%
\$20,000 to \$39,999	-	0%	415	22%
\$40,000 to \$59,999	4	40%	938	49%
\$60,000 to \$79,999	4	40%	269	14%
\$80,000 to \$99,999	1	10%	80	4%
\$100,000 and Above	1	10%	100	5%
Total	10	100%	1,906	100%
Median Annual Income (full-time)	\$63,500		\$47,000	
Average Annual Income (full-time)	\$68,755		\$57,205	

* where data provided

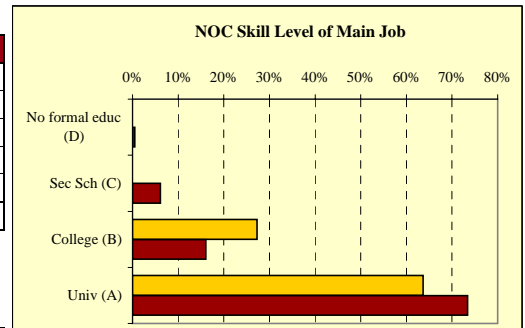


EMPLOYMENT, continued

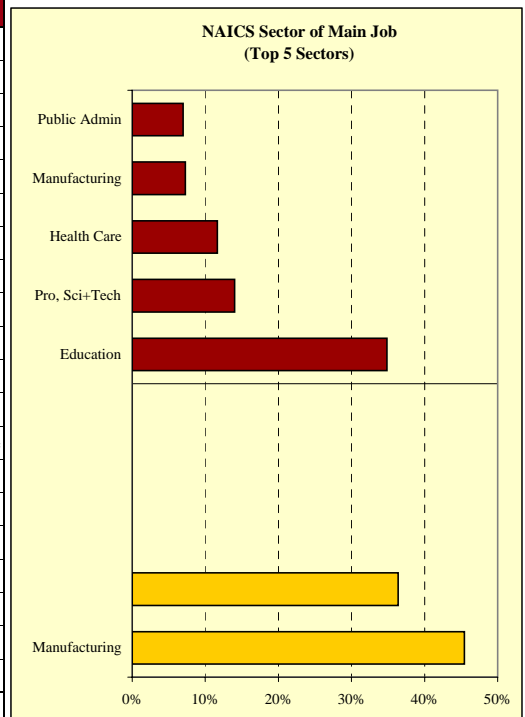
19. NOC Skill Type of Main Job:	14.0701	UBC		
Business, Finance and Administration	-	0%	280	13%
Natural and Applied Sciences and Related	8	73%	332	16%
Health	-	0%	282	13%
Social Sciences, Educ., Gov't Services, Religion	1	9%	894	43%
Arts, Culture, Recreation and Sport	-	0%	90	4%
Sales and Service	2	18%	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	11	100%	2,091	100%



20. NOC Skill Level of Main Job:	14.0701	UBC		
A. University education	7	64%	1,536	73%
B. College education/trade apprenticeship	3	27%	336	16%
C. Secondary school + job-specific training	-	0%	128	6%
D. No formal education	-	0%	10	0%
No Skill Level assigned (management)	1	9%	83	4%
Total	11	100%	2,093	100%



21. NAICS Sector of Main Job:	14.0701	UBC		
Agriculture, Forestry, Fishing and Hunting	*	*	32	2%
Mining and Oil and Gas Extraction	*	*	10	0%
Utilities	*	*	11	1%
Construction	*	*	18	1%
Manufacturing	5	45%	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	*	*	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	11	100%	2087	100%



*data not displayed where n < 5

Detailed Summary of Survey Results
University of British Columbia
6 Digit CIP: 14.0701: Chemical Engineering

■ UBC
 ■ 14.0701

EMPLOYMENT, continued

22a. **Top 10 Full-time Occupations of 14.0701 Graduates:**

14.0701			% Employed FT in this Occ.**	Median FT Salary
NOC	Skill Level	Description		
2134	A	Chemical Engineers	55%	\$75,000
*				
*				
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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

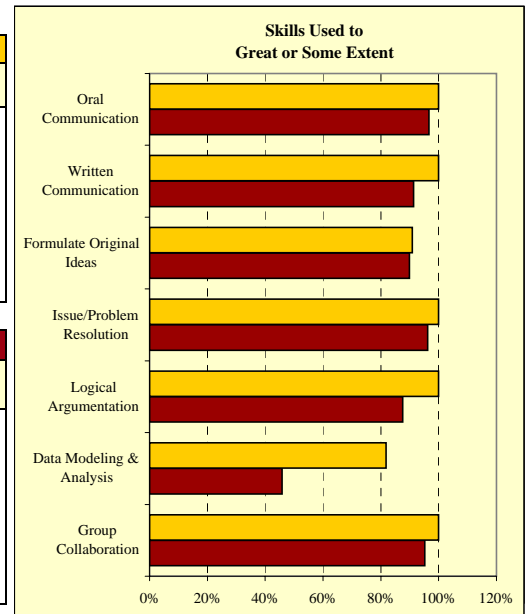
SKILLS USED IN EMPLOYMENT

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

	14.0701				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	91%	9%	0%	0%	11
Written Communication	91%	9%	0%	0%	11
Formulate Original Ideas	55%	36%	9%	0%	11
Issue/Problem Resolution	91%	9%	0%	0%	11
Logical Argumentation	55%	45%	0%	0%	11
Data Modeling & Analysis	45%	36%	18%	0%	11
Group Collaboration	100%	0%	0%	0%	11

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

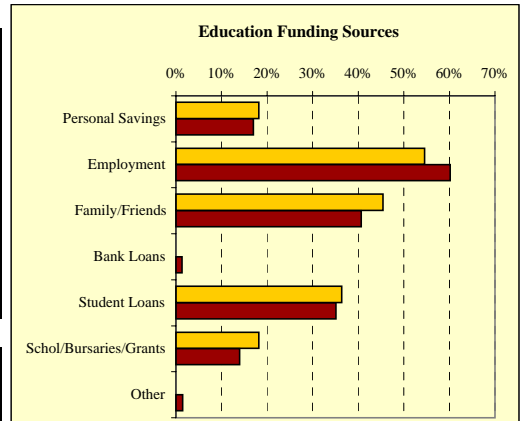
	UBC				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	81%	16%	3%	1%	2,103
Written Communication	69%	22%	6%	2%	2,102
Formulate Original Ideas	53%	37%	8%	2%	2,101
Issue/Problem Resolution	78%	18%	3%	1%	2,102
Logical Argumentation	53%	35%	10%	3%	2,097
Data Modeling & Analysis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



EDUCATION FINANCING

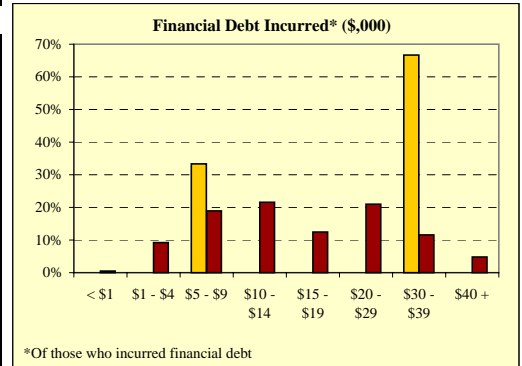
24. Education Funding Sources (2 sources per respondent):	14.0701		UBC	
Personal Savings	2	18%*	409	17%*
Employment	6	55%*	1,450	60%*
Family/Friends	5	45%*	980	41%*
Bank Loans	-	0%*	32	1%*
Student Loans	4	36%*	845	35%*
Scholarships/Bursaries/Grants	2	18%*	336	14%*
Other	-	0%*	36	1%*
Total Respondents	11		2,409	

* Percentage of respondents who identified this source



25. Financial Debt Incurred to Finance Univ. Education:	14.0701		UBC	
Incurred any form of financial debt	3	30%*	996	43%*
Incurred government-sponsored student loan debt	3	30%*	856	37%*

* Percentage of respondents who provided data



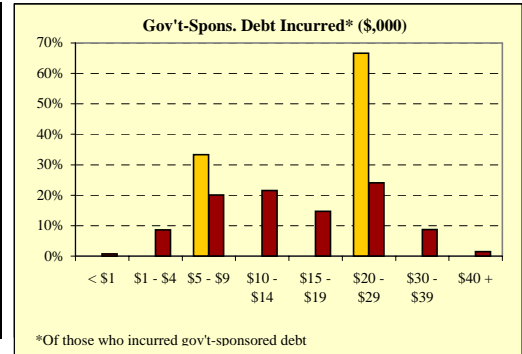
*Of those who incurred financial debt

26. Financial Debt Amount:*	14.0701		UBC	
< \$1,000	-	0%	5	1%
\$1,000 to \$4,999	-	0%	92	9%
\$5,000 to \$9,999	1	33%	188	19%
\$10,000 to \$14,999	-	0%	215	22%
\$15,000 to \$19,999	-	0%	124	12%
\$20,000 to \$29,999	-	0%	209	21%
\$30,000 to \$39,999	2	67%	115	12%
\$40,000 or More	-	0%	48	5%
Total	3	100%	996	100%
Median Financial Debt	\$30,000		\$14,000	

*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.0701		UBC	
< \$1,000	-	0%	6	1%
\$1,000 to \$4,999	-	0%	74	9%
\$5,000 to \$9,999	1	33%	172	20%
\$10,000 to \$14,999	-	0%	184	21%
\$15,000 to \$19,999	-	0%	126	15%
\$20,000 to \$29,999	2	67%	206	24%
\$30,000 to \$39,999	-	0%	75	9%
\$40,000 or More	-	0%	13	2%
Total	3	100%	856	100%
Median Gov't-Sponsored Student Loan Debt	\$24,000		\$14,000	

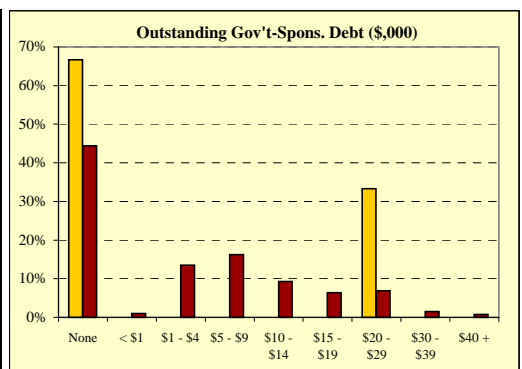
*includes only cases where government-sponsored debt was incurred



*Of those who incurred gov't-sponsored debt

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.0701		UBC	
None - Loan repaid in full	2	67%	348	44%
< \$1,000	-	0%	8	1%
\$1,000 to \$4,999	-	0%	106	14%
\$5,000 to \$9,999	-	0%	127	16%
\$10,000 to \$14,999	-	0%	73	9%
\$15,000 to \$19,999	-	0%	50	6%
\$20,000 to \$29,999	1	33%	54	7%
\$30,000 to \$39,999	-	0%	12	2%
\$40,000 or More	-	0%	6	1%
Total	3	100%	784	100%
Median Gov't-Sponsored Loan Debt Outstanding	\$0		\$2,000	

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

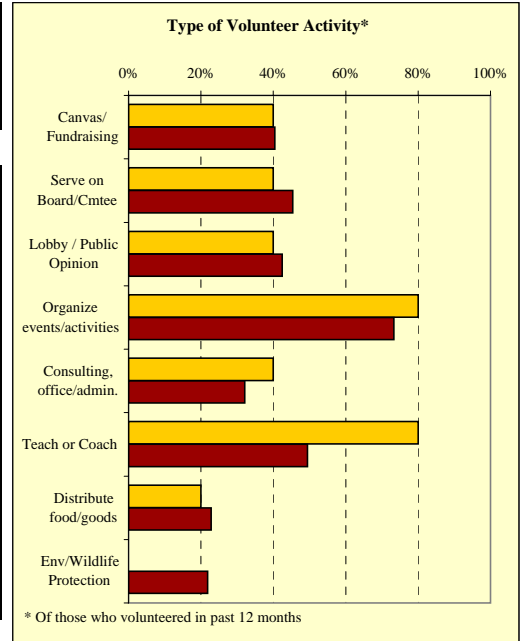


SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

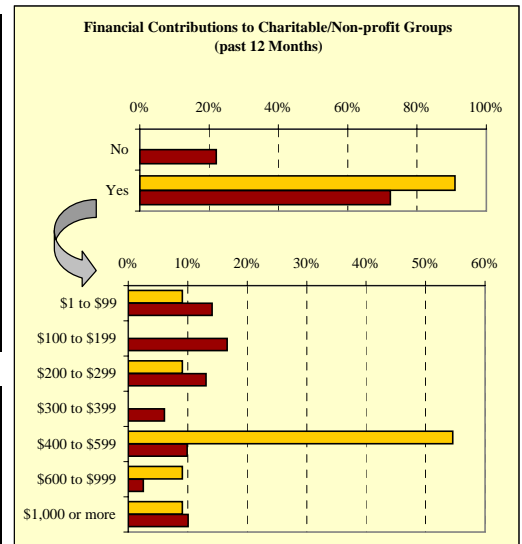
29. In the past 12 months, have you acted as an unpaid volunteer?	14.0701		UBC	
No	6	55%	1,046	44%
Yes	5	45%	1,339	56%
Volunteer Hours/Week (Median)	2		1	

30. In the past 12 months, as an unpaid volunteer for an organization did you...	14.0701		UBC	
do any canvassing, campaigning or fundraising?	2	40%*	541	40%*
serve as an unpaid member of a board or committee?	2	40%*	607	45%*
provide information or help to educate, influence public opinion, or lobby others?	2	40%*	568	42%*
help to organize/supervise activities/events for an organization?	4	80%*	982	73%*
do any consulting, executive, office or administrative work?	2	40%*	430	32%*
teach or coach for an organization?	4	80%*	662	49%*
collect, serve or deliver food or other goods?	1	20%*	305	23%*
engage in any activities aimed at protecting the environment or wildlife?	-	0%*	292	22%*

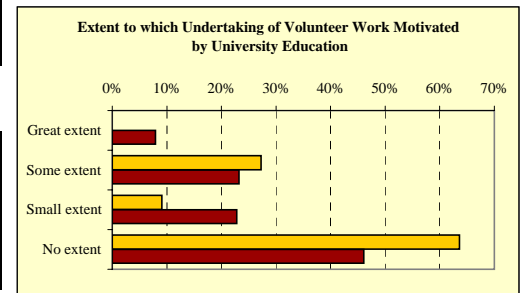
*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31. Financial contributions to charitable or non-profit groups in past 12 months	14.0701		UBC	
\$0 (None)	-	0%	531	22%
\$1 to \$99	1	9%	339	14%
\$100 to \$199	-	0%	400	17%
\$200 to \$299	1	9%	315	13%
\$300 to \$399	-	0%	146	6%
\$400 to \$599	6	55%	239	10%
\$600 to \$999	1	9%	61	3%
\$1,000 or more	1	9%	242	10%
Median Annual Contribution	\$500		\$200	



32. Member or Participant in...	14.0701		UBC	
Union/Professional Association (work-related)	9	82%	1,655	69%
Political organization	-	0%	108	4%
Cultural, educational or hobby organization	4	36%	772	32%
Sports or recreation organization	6	55%	1,074	45%
Religious-affiliated group	3	27%	492	20%
School group, civic, or community association	4	36%	612	25%
Other	1	9%	195	8%



33. To what extent did your university education motivate you to undertake volunteer work?	14.0701		UBC	
Great extent	-	0%*	186	8%*
Some extent	3	27%*	544	23%*
Small extent	1	9%*	535	23%*
No extent	7	64%*	1,081	46%*

*percentages are of those who thought question was applicable