

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

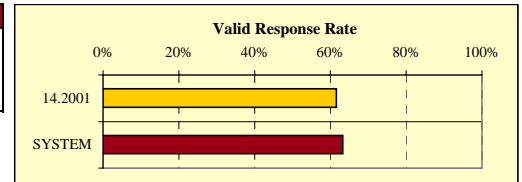
Detailed Summary of Survey Results  
All Institutions

6 Digit CIP: 14.2001: Metallurgical Engineering

■ SYSTEM  
■ 14.2001

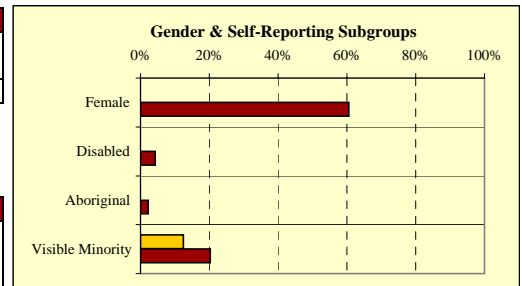
## RESPONSE RATE

1. Survey Response Rate:	14.2001	SYSTEM
Baccalaureate Graduates Survey Cohort	15	9,531
Net Frame	13	8,613
Survey Respondents and Valid Response Rate	8	5,449
	62%	63%



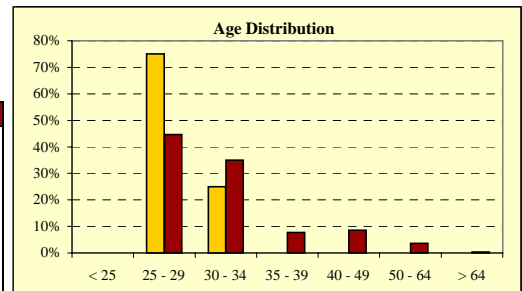
## DEMOGRAPHIC INFORMATION

2. Gender:	14.2001	SYSTEM
Male	8	2,147
Female	-	3,302
Total	8	5,449
	100%	100%

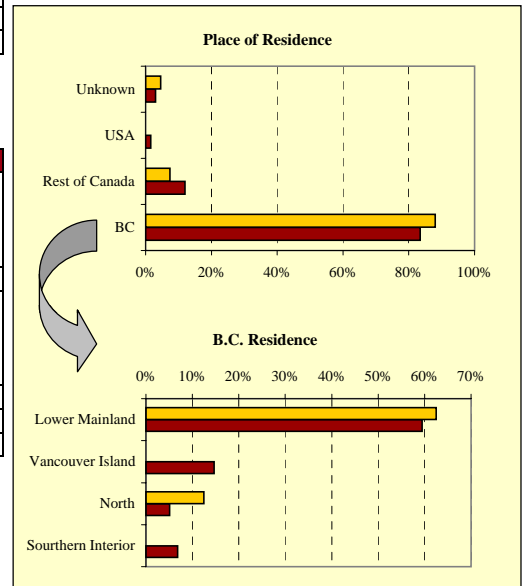


3. Self-Reporting Subgroups:	14.2001	SYSTEM
Disabled	-	234
Aboriginal	-	124
Visible Minority	1	1,104
	0%	4%
	0%	2%
	13%	20%

4. Age (at time of survey):	14.2001	SYSTEM
< 25	-	2
25 to 29	6	2,413
30 to 34	2	1,895
35 to 39	-	421
40 to 49	-	461
50 to 64	-	199
> 64	-	19
Unknown	-	39
Total	8	5,410
	100%	100%
Mean Age:	29.3	32.4



5. Place of Residence (at time of survey):	14.2001	SYSTEM
BC - Lower Mainland	5	3,241
BC - Vancouver Island	-	800
BC - North	1	276
BC - Southern Interior	-	372
B.C. Subtotal	6	4,689
Canada - Alberta	1	193
Canada - Ontario	1	212
Canada - Other	-	91
U.S.A.	-	146
Non-B.C. Subtotal	2	642
Unknown	-	118
Total	8	5,449
	100%	100%

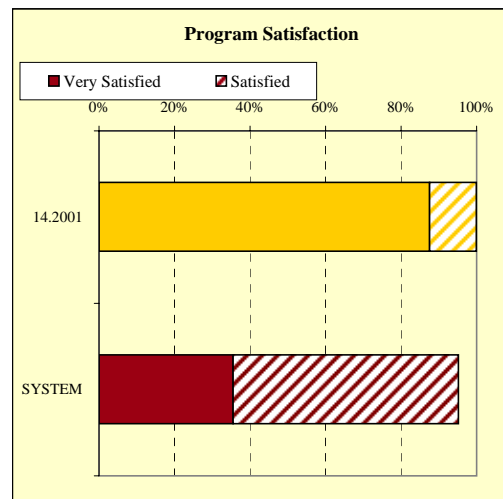


EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	14.2001		SYSTEM	
Very Satisfied	7	88%	1,932	36%
Satisfied	1	13%	3,246	60%
Dissatisfied	-	0%	228	4%
Very Dissatisfied	-	0%	30	1%
Total	8	100%	5,436	100%

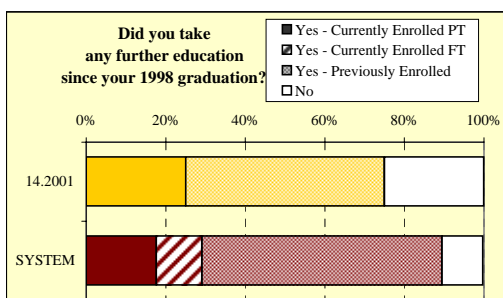
7. Would you select the same program again?	14.2001		SYSTEM	
Yes	7	88%	3,866	73%
No, because . . . (multiple response question)	1		1,420	
. . . not enough course variety offered	-	0%*	23	1%*
. . . skills acquired were not very useful	-	0%*	136	7%*
. . . courses were poorly taught	-	0%*	29	2%*
. . . program was too general	-	0%*	149	8%*
. . . courses were not practical	-	0%*	242	13%*
. . . interests have changed	-	0%*	356	20%*
. . . little or no career opportunities	-	0%*	511	28%*
. . . disagree with grading system	-	0%*	2	0%*
. . . disliked institution	-	0%*	6	0%*
. . . other	1	100%*	368	20%*

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



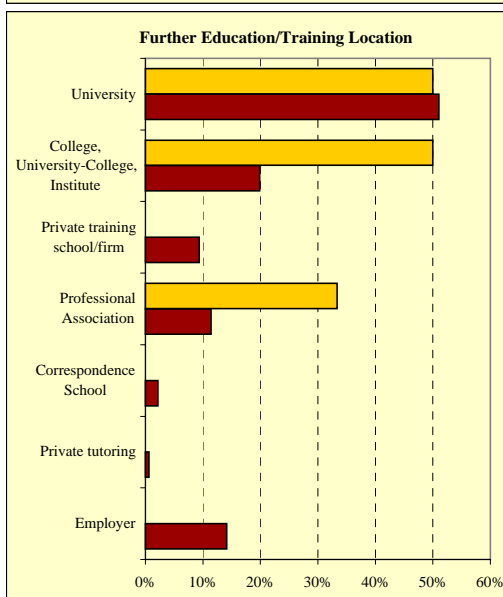
FURTHER EDUCATION

8. Took further education since 1996 graduation?	14.2001		SYSTEM	
Yes:	6	75%	4,885	90%
Not currently enrolled	4	50%	3,285	60%
Currently enrolled full-time	-	0%	628	12%
Currently enrolled part-time	2	25%	961	18%
No	2	25%	564	10%
Total	8	100%	5,449	100%



9. Further education/training location (multiple resp.):*	14.2001		SYSTEM	
University	3	50%*	2,494	51%*
College, University-College, Institute	3	50%*	972	20%*
Private training school/firm	-	0%*	457	9%*
Professional Association	2	33%*	557	11%*
Correspondence School	-	0%*	105	2%*
Private Tutoring	-	0%*	29	1%*
Employer	-	0%*	691	14%*
Other	-	0%*	163	3%*
Total Respondents	6		4,885	

\* Percent of respondents



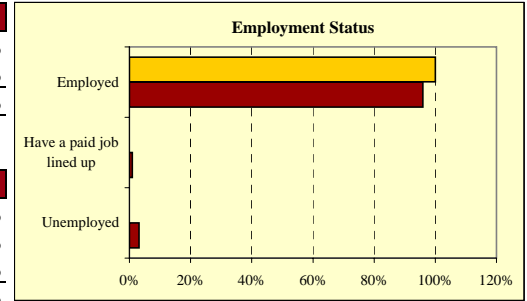
10. Main Reason for Further Education:	14.2001		SYSTEM	
Pursue another Bachelor degree	-	0%	315	6%
Pursue Masters studies	2	25%	566	10%
Pursue Doctoral studies	-	0%	138	3%
Career / job / employment related	5	63%	3,421	63%
Challenge myself intellectually	1	13%	446	8%
To please parents/family	-	0%	3	0%
Did not have a primary/main reason for enrolling	-	0%	13	0%
Required by employer	-	0%	173	3%
Other	-	0%	382	7%
Total	8	100%	5,457	100%

**Detailed Summary of Survey Results**  
**All Institutions**  
**6 Digit CIP: 14.2001: Metallurgical Engineering**

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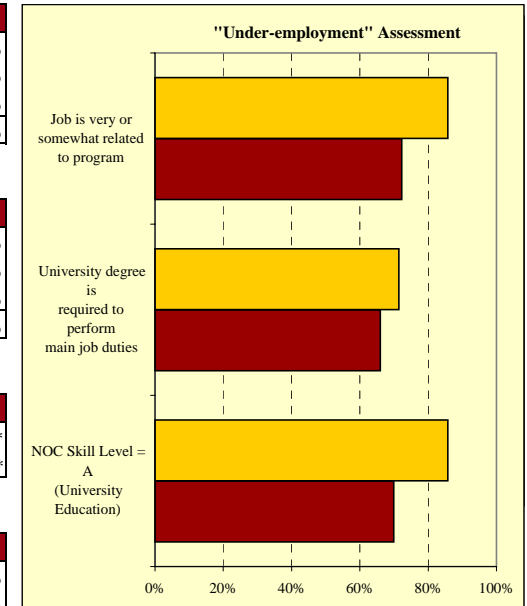
**EMPLOYMENT**

11. Labour Force Status:	14.2001	SYSTEM
In Labour Force (working or seeking work)	7 88%	4,952 91%
Not in Labour Force	1 13%	497 9%
Grand Total	8 100%	5,449 100%



12. Employment Status of those IN Labour Force:	14.2001	SYSTEM
Employed	7 100%	4,749 96%
Have a paid job lined up	- 0%	49 1%
Unemployed	- 0%	154 3%
Total Labour Force	7 100%	4,952 100%

13. Status of Graduates NOT in Labour Force:	14.2001	SYSTEM
Attending School FT	- 0%	225 45%
Attending School PT	1 100%	27 5%
Other	- 0%	245 49%
Total NOT in Labour Force	1 100%	497 100%



14. Employment Type:	14.2001	SYSTEM
Paid worker	7 100%	4,135 87%
Self-employed	- 0%	379 8%
Both a paid worker and self-employed	- 0%	235 5%
Total Employed	7 100%	4,749 100%

15. Job Characteristics:	14.2001	SYSTEM
I hold more than one job	- 0%*	706 15%*
My main job is full-time (>= 30 hours per week)	7 100%**	4,014 86%**

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

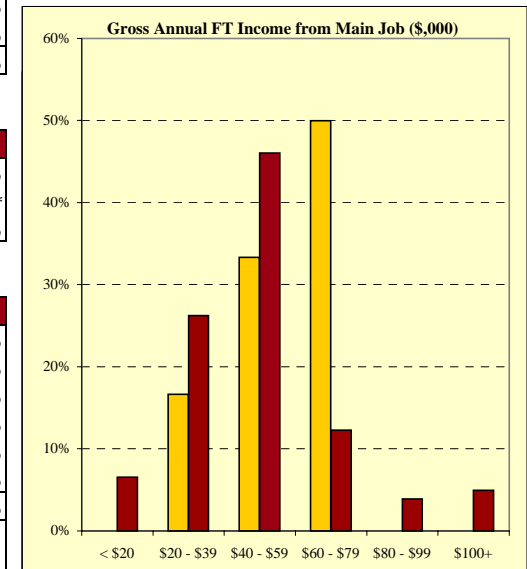
16. How related is your main job to your program?:	14.2001	SYSTEM
Very Related	4 57%	1,940 41%
Somewhat Related	2 29%	1,492 31%
Not Very Related	1 14%	601 13%
Not At All Related	- 0%	712 15%
Total	7 100%	4,745 100%

17. "Under-employment" Assessment:	14.2001	SYSTEM
Job is very or somewhat related to program	6 86%	3,432 72%
University degree is required to perform main job duties	5 71%*	3,000 66%*
NOC Skill Level = A (University Education)	6 86%	3,300 70%

\* of total valid responses

18. Gross Annual Income from Main Job:*	14.2001	SYSTEM
Less than \$20,000	- 0%	284 7%
\$20,000 to \$39,999	1 17%	1,138 26%
\$40,000 to \$59,999	2 33%	1,996 46%
\$60,000 to \$79,999	3 50%	533 12%
\$80,000 to \$99,999	- 0%	169 4%
\$100,000 and Above	- 0%	215 5%
Total	6 100%	4,335 100%
Median Annual Income (full-time)	\$60,500	\$45,680
Average Annual Income (full-time)	\$56,083	\$54,596

\* where data provided

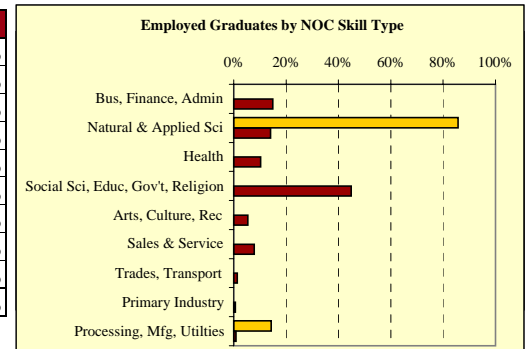


**Detailed Summary of Survey Results**  
**All Institutions**  
**6 Digit CIP: 14.2001: Metallurgical Engineering**

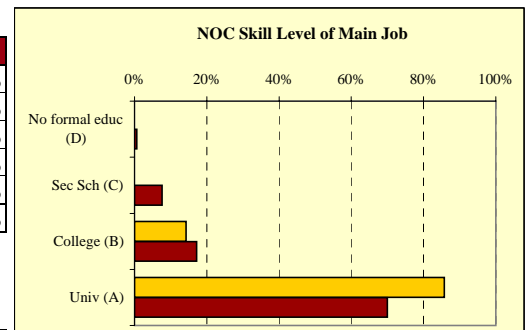
■ SYSTEM  
■ 14.2001

**EMPLOYMENT, continued**

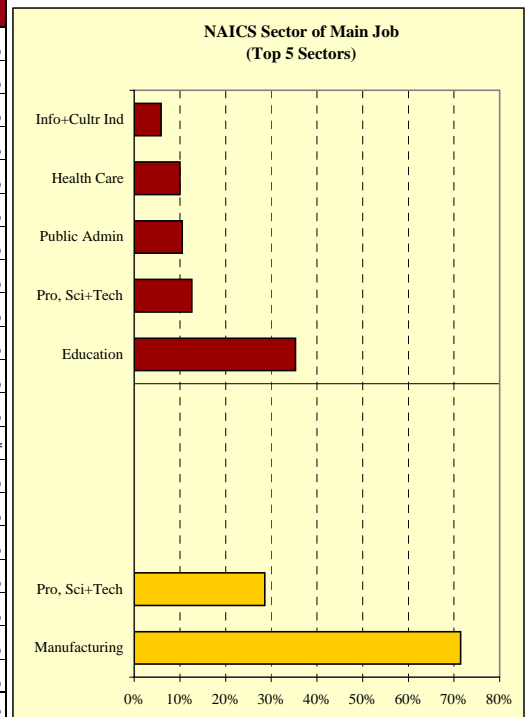
19. NOC Skill Type of Main Job:	14.2001	SYSTEM
Business, Finance and Administration	- 0%	703 15%
Natural and Applied Sciences and Related	6 86%	659 14%
Health	- 0%	482 10%
Social Sciences, Educ., Gov't Services, Religion	- 0%	2,112 45%
Arts, Culture, Recreation and Sport	- 0%	252 5%
Sales and Service	- 0%	366 8%
Trades, Transport and Eqp. Operators and Related	- 0%	62 1%
Unique to the Primary Industry	- 0%	31 1%
Unique to Processing, Manufacturing and Utilities	1 14%	40 1%
<b>Total</b>	<b>7 100%</b>	<b>4,707 100%</b>



20. NOC Skill Level of Main Job:	14.2001	SYSTEM
A. University education	6 86%	3,300 70%
B. College education/trade apprenticeship	1 14%	811 17%
C. Secondary school + job-specific training	- 0%	361 8%
D. No formal education	- 0%	29 1%
No Skill Level assigned (management)	- 0%	218 5%
<b>Total</b>	<b>7 100%</b>	<b>4,719 100%</b>



21. NAICS Sector of Main Job:	14.2001	SYSTEM
Agriculture, Forestry, Fishing and Hunting	* *	48 1%
Mining and Oil and Gas Extraction	* *	17 0%
Utilities	* *	20 0%
Construction	* *	33 1%
Manufacturing	5 71%	271 6%
Wholesale Trade	* *	46 1%
Retail Trade	* *	157 3%
Transportation and Warehousing	* *	76 2%
Information and Cultural Industries	* *	275 6%
Finance and Insurance	* *	231 5%
Real Estate and Rental and Leasing	* *	31 1%
Professional, Scientific and Technical Services	2 29%	594 13%
Management of Companies and Enterprises	* *	* *
Admin., Support, Waste Mgmt., Remediation Svcs.	* *	28 1%
Education Services	* *	1659 35%
Health Care and Social Assistance	* *	471 10%
Arts, Entertainment and Recreation	* *	89 2%
Accommodation and Food services	* *	61 1%
Other Service (except Public Administration)	* *	97 2%
Public Administration	* *	494 11%
<b>Total</b>	<b>7 100%</b>	<b>4698 100%</b>



\*data not displayed where n < 2

Detailed Summary of Survey Results

All Institutions

6 Digit CIP: 14.2001: Metallurgical Engineering

SYSTEM  
14.2001

EMPLOYMENT, continued

22a. **Top 10 Full-time Occupations of 14.2001 Graduates:**

			14.2001	
NOC	Skill Level	Description	% Employed FT in this Occ.**	Median FT Salary
2142	A	Metallurgy & Materials Engineers	71%	\$66,000
*				
*				
*				
*				
*				
*				
*				
*				
*				

\*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 All Institutions:**

			SYSTEM	
NOC	Skill Level	Description	% Employed FT in this Occ.**	Median FT Salary
4141	A	Secondary School Teachers	11%	\$43,000
4142	A	Elem & Kindergarten Teacher	11%	\$42,000
4112	A	Lawyers & Quebec Notaries	3%	\$75,000
3152	A	Registered Nurses	3%	\$51,474
1111	A	Financial Auditors & Acnts	2%	\$58,250
2173	A	Software Engineers	2%	\$72,000
1122	A	Occs in Bus Srvc to Mgmt	2%	\$65,000
4212	B	Community & Social Srvc Workers	1%	\$36,000
4131	A	College & Other Voc Instructors	1%	\$41,600
1114	A	Other Financial Officers	1%	\$56,000

\*data not displayed where n < 2

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

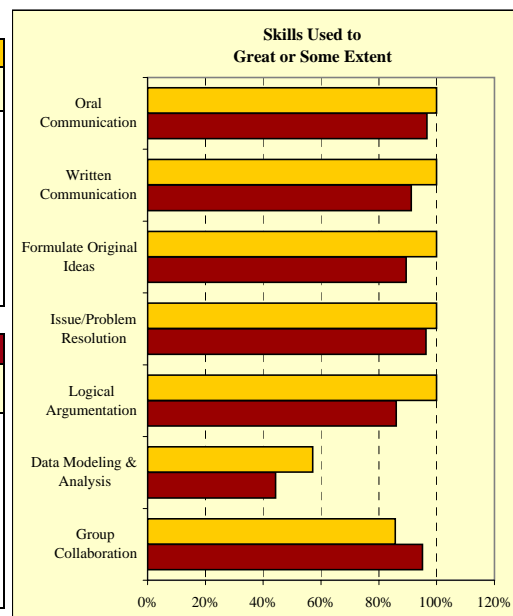
SKILLS USED IN EMPLOYMENT

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

	14.2001				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	71%	29%	0%	0%	7
Written Communication	57%	43%	0%	0%	7
Formulate Original Ideas	43%	57%	0%	0%	7
Issue/Problem Resolution	57%	43%	0%	0%	7
Logical Argumentation	71%	29%	0%	0%	7
Data Modeling & Analysis	14%	43%	43%	0%	7
Group Collaboration	29%	57%	14%	0%	7

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

	SYSTEM				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	81%	16%	3%	1%	4,741
Written Communication	69%	22%	6%	3%	4,737
Formulate Original Ideas	54%	36%	8%	2%	4,737
Issue/Problem Resolution	77%	19%	3%	1%	4,741
Logical Argumentation	52%	34%	11%	3%	4,731
Data Modeling & Analysis	19%	25%	29%	27%	4,723
Group Collaboration	77%	18%	4%	1%	4,741



Detailed Summary of Survey Results

All Institutions

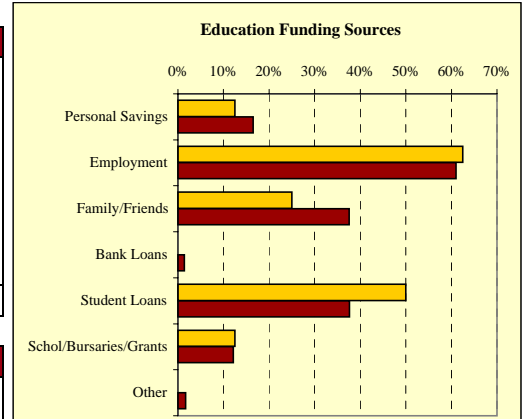
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■ SYSTEM  
■ 14.2001

EDUCATION FINANCING

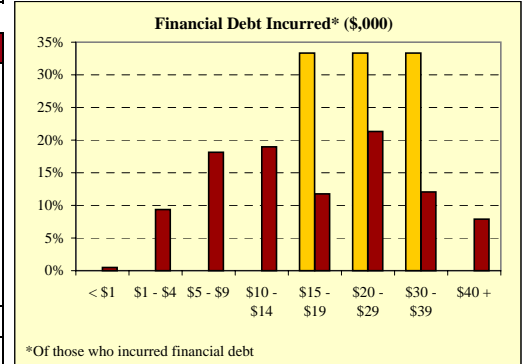
24. Education Funding Sources (2 sources per respondent):	14.2001		SYSTEM	
Personal Savings	1	13%*	898	16%*
Employment	5	63%*	3,323	61%*
Family/Friends	2	25%*	2,048	38%*
Bank Loans	-	0%*	75	1%*
Student Loans	4	50%*	2,051	38%*
Scholarships/Bursaries/Grants	1	13%*	661	12%*
Other	-	0%*	90	2%*
<b>Total Respondents</b>	<b>8</b>		<b>5,449</b>	

\* Percentage of respondents who identified this source



25. Financial Debt Incurred to Finance Univ. Education:	14.2001		SYSTEM	
Incurred any form of financial debt	3	43%*	2,471	47%*
Incurred government-sponsored student loan debt	3	43%*	2,106	40%*

\* Percentage of respondents who provided data



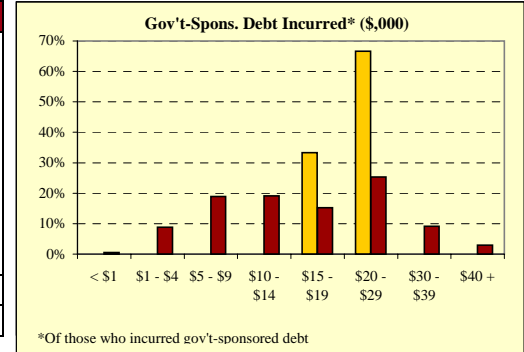
\*Of those who incurred financial debt

26. Financial Debt Amount:*	14.2001		SYSTEM	
< \$1,000	-	0%	12	0%
\$1,000 to \$4,999	-	0%	231	9%
\$5,000 to \$9,999	-	0%	448	18%
\$10,000 to \$14,999	-	0%	469	19%
\$15,000 to \$19,999	1	33%	291	12%
\$20,000 to \$29,999	1	33%	527	21%
\$30,000 to \$39,999	1	33%	298	12%
\$40,000 or More	-	0%	195	8%
<b>Total</b>	<b>3</b>	<b>100%</b>	<b>2,471</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$27,000</b>		<b>\$15,000</b>	

\*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.2001		SYSTEM	
< \$1,000	-	0%	10	0%
\$1,000 to \$4,999	-	0%	187	9%
\$5,000 to \$9,999	-	0%	399	19%
\$10,000 to \$14,999	-	0%	402	19%
\$15,000 to \$19,999	1	33%	321	15%
\$20,000 to \$29,999	2	67%	533	25%
\$30,000 to \$39,999	-	0%	192	9%
\$40,000 or More	-	0%	62	3%
<b>Total</b>	<b>3</b>	<b>100%</b>	<b>2,106</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$24,000</b>		<b>\$15,000</b>	

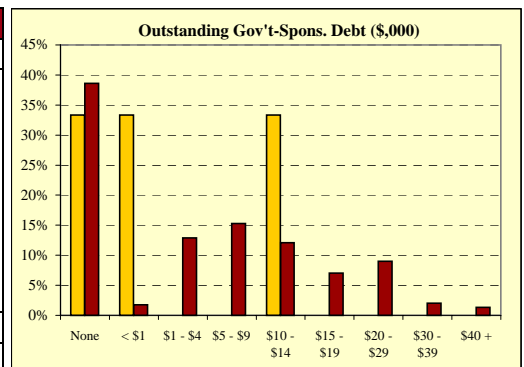
\*includes only cases where government-sponsored debt was incurred



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

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.2001		SYSTEM	
None - Loan repaid in full	1	33%	747	39%
< \$1,000	1	33%	34	2%
\$1,000 to \$4,999	-	0%	249	13%
\$5,000 to \$9,999	-	0%	296	15%
\$10,000 to \$14,999	1	33%	234	12%
\$15,000 to \$19,999	-	0%	136	7%
\$20,000 to \$29,999	-	0%	174	9%
\$30,000 to \$39,999	-	0%	39	2%
\$40,000 or More	-	0%	26	1%
<b>Total</b>	<b>3</b>	<b>100%</b>	<b>1,935</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$600</b>		<b>\$3,600</b>	

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



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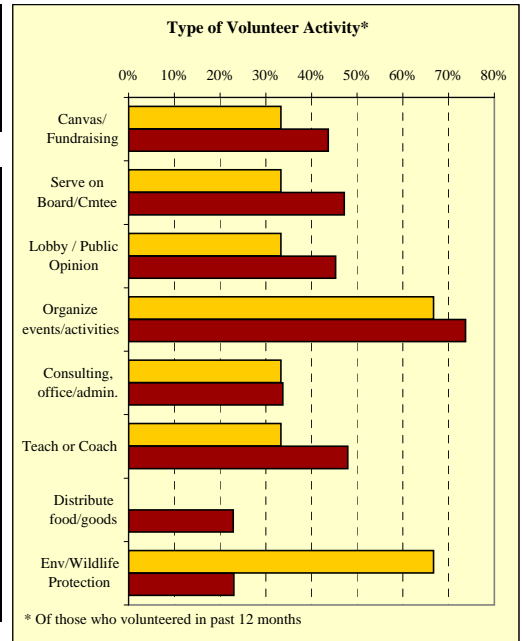
SYSTEM  
14.2001

SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

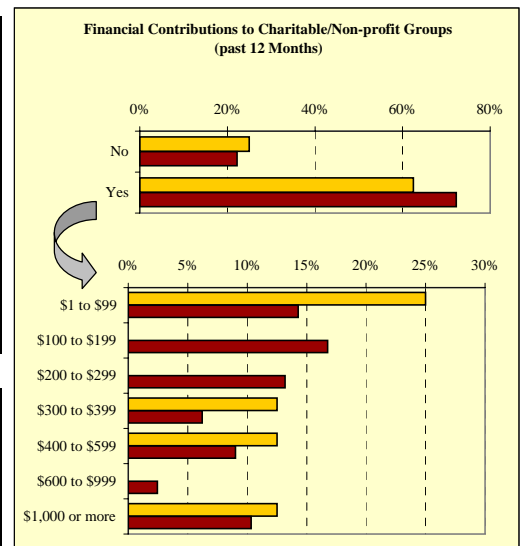
29. In the past 12 months, have you acted as an unpaid volunteer?	14.2001		SYSTEM	
No	5	63%	2,237	41%
Yes	3	38%	3,162	59%
Volunteer Hours/Week (Median)	1		1	

30. In the past 12 months, as an unpaid volunteer for an organization did you...	14.2001		SYSTEM	
do any canvassing, campaigning or fundraising?	1	33%*	1,382	44%*
serve as an unpaid member of a board or committee?	1	33%*	1,492	47%*
provide information or help to educate, influence public opinion, or lobby others?	1	33%*	1,431	45%*
help to organize/supervise activities/events for an organization?	2	67%*	2,331	74%*
do any consulting, executive, office or administrative work?	1	33%*	1,067	34%*
teach or coach for an organization?	1	33%*	1,517	48%*
collect, serve or deliver food or other goods?	-	0%*	723	23%*
engage in any activities aimed at protecting the environment or wildlife?	2	67%*	728	23%*

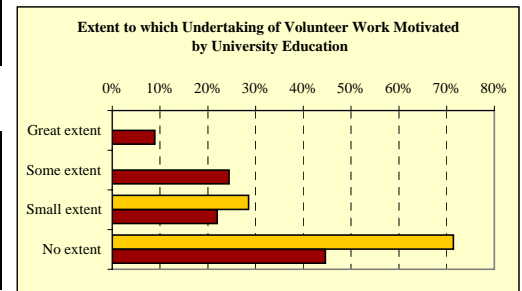
\*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31. Financial contributions to charitable or non-profit groups in past 12 months	14.2001		SYSTEM	
\$0 (None)	2	25%	1,212	22%
\$1 to \$99	2	25%	778	14%
\$100 to \$199	-	0%	913	17%
\$200 to \$299	-	0%	719	13%
\$300 to \$399	1	13%	339	6%
\$400 to \$599	1	13%	491	9%
\$600 to \$999	-	0%	134	2%
\$1,000 or more	1	13%	563	10%
Median Annual Contribution	\$300		\$200	



32. Member or Participant in...	14.2001		SYSTEM	
Union/Professional Association (work-related)	5	63%	3,621	66%
Political organization	1	13%	283	5%
Cultural, educational or hobby organization	2	25%	1,776	33%
Sports or recreation organization	4	50%	2,369	43%
Religious-affiliated group	3	38%	1,020	19%
School group, civic, or community association	-	0%	1,449	27%
Other	-	0%	470	9%



33. To what extent did your university education motivate you to undertake volunteer work?	14.2001		SYSTEM	
Great extent	-	0%*	474	9%*
Some extent	-	0%*	1,298	24%*
Small extent	2	29%*	1,168	22%*
No extent	5	71%*	2,367	45%*

\*percentages are of those who thought question was applicable