

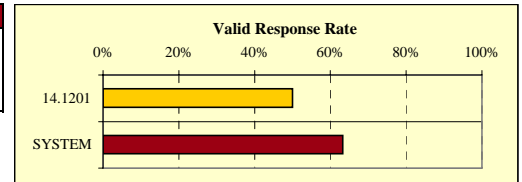
B.C. University Student Outcomes 2001 Survey of 1996 Baccalaureate Graduates

Detailed Summary of Survey Results
All Institutions
6 Digit CIP: 14.1201: Engineering Physics

■ SYSTEM
■ 14.1201

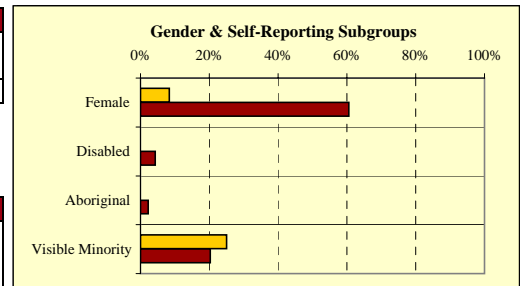
RESPONSE RATE

1. Survey Response Rate:	14.1201	SYSTEM
Baccalaureate Graduates Survey Cohort	28	9,531
Net Frame	24	8,613
Survey Respondents and Valid Response Rate	12	5,449
	50%	63%



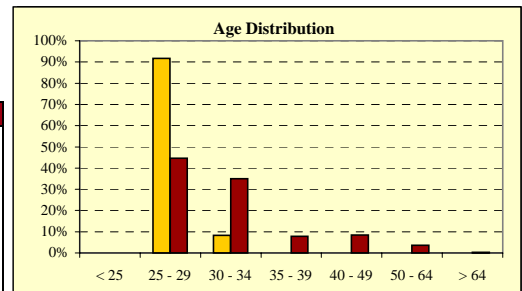
DEMOGRAPHIC INFORMATION

2. Gender:	14.1201	SYSTEM
Male	11	2,147
Female	1	3,302
Total	12	5,449
	100%	100%

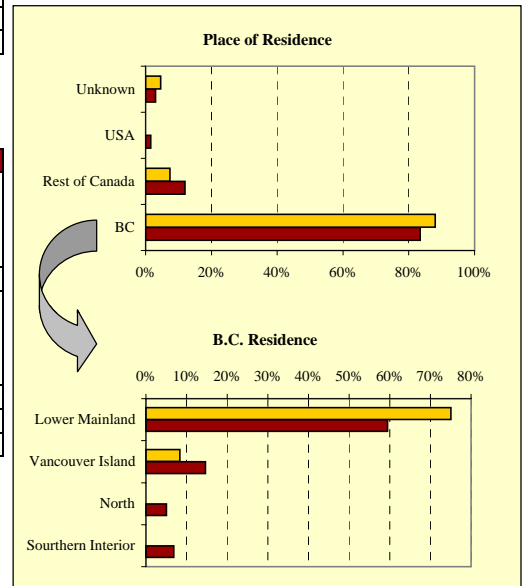


3. Self-Reporting Subgroups:	14.1201	SYSTEM
Disabled	-	234
Aboriginal	-	124
Visible Minority	3	1,104
	0%	4%
	0%	2%
	25%	20%

4. Age (at time of survey):	14.1201	SYSTEM
< 25	-	2
25 to 29	11	2,413
30 to 34	1	1,895
35 to 39	-	421
40 to 49	-	461
50 to 64	-	199
> 64	-	19
Unknown	-	39
Total	12	5,410
	100%	100%
Mean Age:	28.8	32.4



5. Place of Residence (at time of survey):	14.1201	SYSTEM
BC - Lower Mainland	9	3,241
BC - Vancouver Island	1	800
BC - North	-	276
BC - Southern Interior	-	372
B.C. Subtotal	10	4,689
Canada - Alberta	-	193
Canada - Ontario	2	212
Canada - Other	-	91
U.S.A.	-	146
Non-B.C. Subtotal	2	642
Unknown	-	118
Total	12	5,449
	100%	100%



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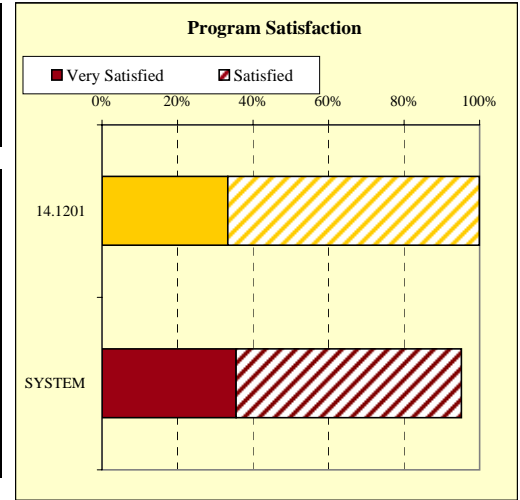
■ SYSTEM
 ■ 14.1201

EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	14.1201		SYSTEM	
Very Satisfied	4	33%	1,932	36%
Satisfied	8	67%	3,246	60%
Dissatisfied	-	0%	228	4%
Very Dissatisfied	-	0%	30	1%
Total	12	100%	5,436	100%

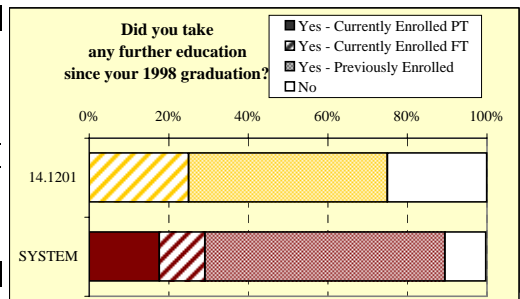
7. Would you select the same program again?	14.1201		SYSTEM	
Yes	10	83%	3,866	73%
No, because . . . (multiple response question)	2		1,420	
. . . not enough course variety offered	-	0%*	23	1%*
. . . skills acquired were not very useful	-	0%*	136	7%*
. . . courses were poorly taught	-	0%*	29	2%*
. . . program was too general	-	0%*	149	8%*
. . . courses were not practical	-	0%*	242	13%*
. . . interests have changed	1	50%*	356	20%*
. . . little or no career opportunities	-	0%*	511	28%*
. . . disagree with grading system	-	0%*	2	0%*
. . . disliked institution	-	0%*	6	0%*
. . . other	1	50%*	368	20%*

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



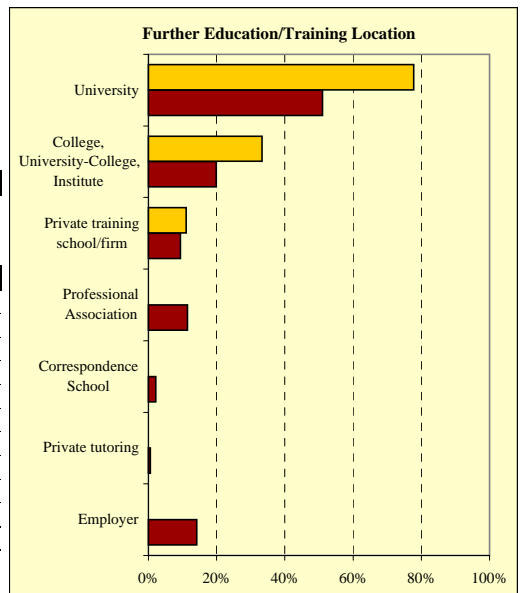
FURTHER EDUCATION

8. Took further education since 1996 graduation?	14.1201		SYSTEM	
Yes:	9	75%	4,885	90%
Not currently enrolled	6	50%	3,285	60%
Currently enrolled full-time	3	25%	628	12%
Currently enrolled part-time	-	0%	961	18%
No	3	25%	564	10%
Total	12	100%	5,449	100%



9. Further education/training location (multiple resp.):*	14.1201		SYSTEM	
University	7	78%*	2,494	51%*
College, University-College, Institute	3	33%*	972	20%*
Private training school/firm	1	11%*	457	9%*
Professional Association	-	0%*	557	11%*
Correspondence School	-	0%*	105	2%*
Private Tutoring	-	0%*	29	1%*
Employer	-	0%*	691	14%*
Other	1	11%*	163	3%*
Total Respondents	9		4,885	

* Percent of respondents



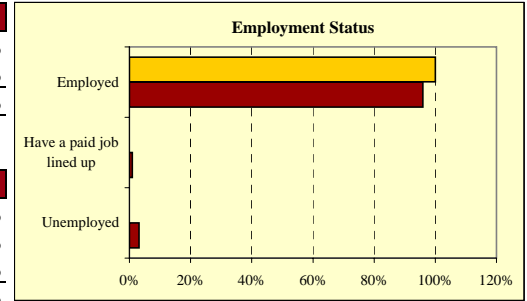
10. Main Reason for Further Education:	14.1201		SYSTEM	
Pursue another Bachelor degree	-	0%	315	6%
Pursue Masters studies	3	25%	566	10%
Pursue Doctoral studies	1	8%	138	3%
Career / job / employment related	3	25%	3,421	63%
Challenge myself intellectually	3	25%	446	8%
To please parents/family	-	0%	3	0%
Did not have a primary/main reason for enrolling	-	0%	13	0%
Required by employer	1	8%	173	3%
Other	1	8%	382	7%
Total	12	100%	5,457	100%

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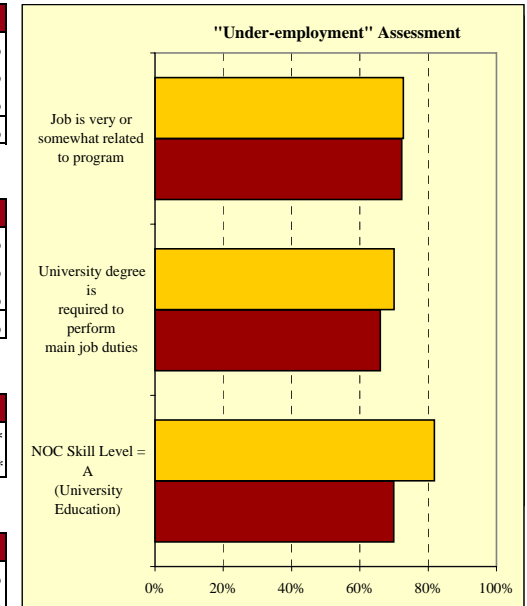
EMPLOYMENT

11. Labour Force Status:	14.1201	SYSTEM
In Labour Force (working or seeking work)	11 92%	4,952 91%
Not in Labour Force	1 8%	497 9%
Grand Total	12 100%	5,449 100%



12. Employment Status of those IN Labour Force:	14.1201	SYSTEM
Employed	11 100%	4,749 96%
Have a paid job lined up	- 0%	49 1%
Unemployed	- 0%	154 3%
Total Labour Force	11 100%	4,952 100%

13. Status of Graduates NOT in Labour Force:	14.1201	SYSTEM
Attending School FT	1 100%	225 45%
Attending School PT	- 0%	27 5%
Other	- 0%	245 49%
Total NOT in Labour Force	1 100%	497 100%



14. Employment Type:	14.1201	SYSTEM
Paid worker	10 91%	4,135 87%
Self-employed	1 9%	379 8%
Both a paid worker and self-employed	- 0%	235 5%
Total Employed	11 100%	4,749 100%

15. Job Characteristics:	14.1201	SYSTEM
I hold more than one job	1 9%*	706 15%*
My main job is full-time (>= 30 hours per week)	10 91%**	4,014 86%**

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

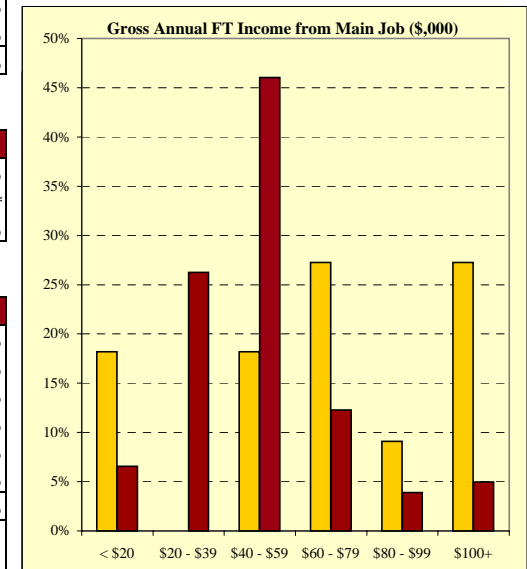
16. How related is your main job to your program?	14.1201	SYSTEM
Very Related	1 9%	1,940 41%
Somewhat Related	7 64%	1,492 31%
Not Very Related	2 18%	601 13%
Not At All Related	1 9%	712 15%
Total	11 100%	4,745 100%

17. "Under-employment" Assessment:	14.1201	SYSTEM
Job is very or somewhat related to program	8 73%	3,432 72%
University degree is required to perform main job duties	7 70%*	3,000 66%*
NOC Skill Level = A (University Education)	9 82%	3,300 70%

* of total valid responses

18. Gross Annual Income from Main Job:*	14.1201	SYSTEM
Less than \$20,000	2 18%	284 7%
\$20,000 to \$39,999	- 0%	1,138 26%
\$40,000 to \$59,999	2 18%	1,996 46%
\$60,000 to \$79,999	3 27%	533 12%
\$80,000 to \$99,999	1 9%	169 4%
\$100,000 and Above	3 27%	215 5%
Total	11 100%	4,335 100%
Median Annual Income (full-time)	\$70,250	\$45,680
Average Annual Income (full-time)	\$94,140	\$54,596

* where data provided

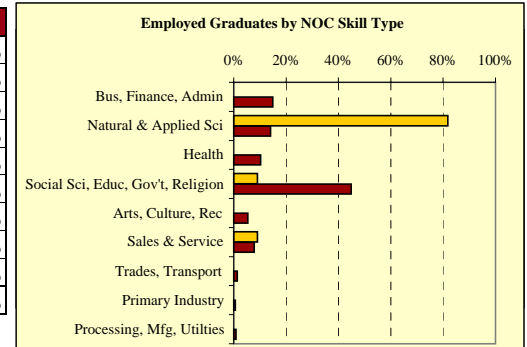


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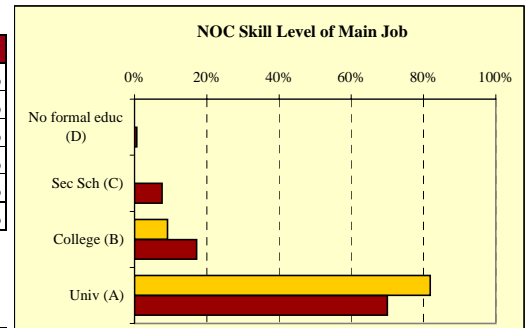
■ SYSTEM
■ 14.1201

EMPLOYMENT, continued

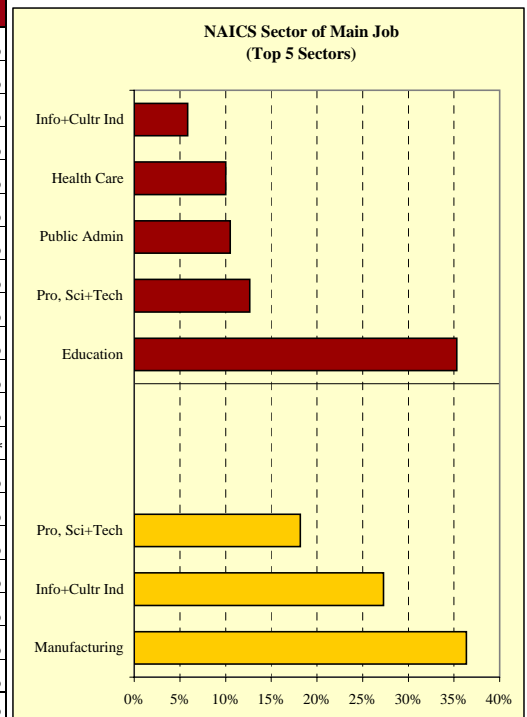
19. NOC Skill Type of Main Job:	14.1201	SYSTEM		
Business, Finance and Administration	-	0%	703	15%
Natural and Applied Sciences and Related	9	82%	659	14%
Health	-	0%	482	10%
Social Sciences, Educ., Gov't Services, Religion	1	9%	2,112	45%
Arts, Culture, Recreation and Sport	-	0%	252	5%
Sales and Service	1	9%	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	-	0%	40	1%
Total	11	100%	4,707	100%



20. NOC Skill Level of Main Job:	14.1201	SYSTEM		
A. University education	9	82%	3,300	70%
B. College education/trade apprenticeship	1	9%	811	17%
C. Secondary school + job-specific training	-	0%	361	8%
D. No formal education	-	0%	29	1%
No Skill Level assigned (management)	1	9%	218	5%
Total	11	100%	4,719	100%



21. NAICS Sector of Main Job:	14.1201	SYSTEM		
Agriculture, Forestry, Fishing and Hunting	*	*	48	1%
Mining and Oil and Gas Extraction	*	*	17	0%
Utilities	*	*	20	0%
Construction	*	*	33	1%
Manufacturing	4	36%	271	6%
Wholesale Trade	*	*	46	1%
Retail Trade	*	*	157	3%
Transportation and Warehousing	*	*	76	2%
Information and Cultural Industries	3	27%	275	6%
Finance and Insurance	*	*	231	5%
Real Estate and Rental and Leasing	*	*	31	1%
Professional, Scientific and Technical Services	2	18%	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%
Total	11	100%	4698	100%



*data not displayed where n < 2

Detailed Summary of Survey Results
All Institutions
6 Digit CIP: 14.1201: Engineering Physics

■ SYSTEM
 ■ 14.1201

EMPLOYMENT, continued

22a. Top 10 Full-time Occupations of 14.1201 Graduates:				14.1201	
NOC	NOC	Skill Level Description	% Employed FT in this Occ.**	Median FT Salary	
2174	A	Computer Programmers/Interactive Media Developers	27%	\$67,500	
2147	A	Computer Engineers	18%	\$105,000	
*					
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*data not displayed where n < 2

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

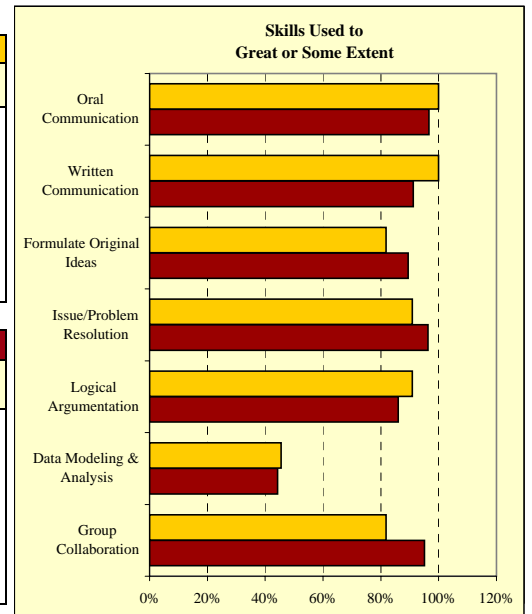
22b. Top 10 Full-time Occupations of Graduates from All Institutions:				SYSTEM	
NOC	NOC	Skill Level Description	% Employed FT in this Occ.**	Median FT Salary	
4141	A	Secondary School Teachers	11%	\$43,000	
4142	A	Elem & Kindergarten Teacher	11%	\$42,000	
4112	A	Lawyers & Quebec Notaries	3%	\$75,000	
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?	14.1201					# Resp.
	Great Extent	Some Extent	Small Extent	No Extent		
Oral Communication	73%	27%	0%	0%		11
Written Communication	36%	64%	0%	0%		11
Formulate Original Ideas	36%	45%	18%	0%		11
Issue/Problem Resolution	82%	9%	9%	0%		11
Logical Argumentation	36%	55%	9%	0%		11
Data Modeling & Analysis	18%	27%	36%	18%		11
Group Collaboration	45%	36%	18%	0%		11



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
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■ SYSTEM
 ■ 14.1201

EDUCATION FINANCING

24. Education Funding Sources (2 sources per respondent):	14.1201		SYSTEM	
Personal Savings	1	8%*	898	16%*
Employment	8	67%*	3,323	61%*
Family/Friends	4	33%*	2,048	38%*
Bank Loans	-	0%*	75	1%*
Student Loans	2	17%*	2,051	38%*
Scholarships/Bursaries/Grants	9	75%*	661	12%*
Other	-	0%*	90	2%*
Total Respondents	12		5,449	

* Percentage of respondents who identified this source

25. Financial Debt Incurred to Finance Univ. Education:	14.1201		SYSTEM	
Incurred any form of financial debt	3	25%*	2,471	47%*
Incurred government-sponsored student loan debt	1	8%*	2,106	40%*

* Percentage of respondents who provided data

26. Financial Debt Amount:*	14.1201		SYSTEM	
< \$1,000	-	0%	12	0%
\$1,000 to \$4,999	2	67%	231	9%
\$5,000 to \$9,999	-	0%	448	18%
\$10,000 to \$14,999	-	0%	469	19%
\$15,000 to \$19,999	-	0%	291	12%
\$20,000 to \$29,999	1	33%	527	21%
\$30,000 to \$39,999	-	0%	298	12%
\$40,000 or More	-	0%	195	8%
Total	3	100%	2,471	100%
Median Financial Debt	\$4,000		\$15,000	

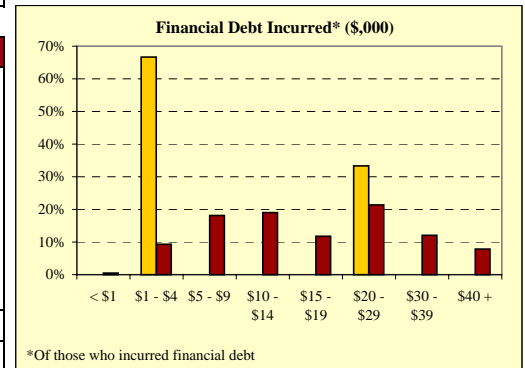
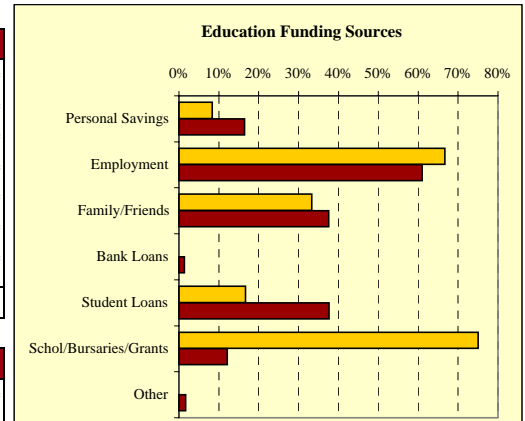
*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.1201		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	-	0%	321	15%
\$20,000 to \$29,999	1	100%	533	25%
\$30,000 to \$39,999	-	0%	192	9%
\$40,000 or More	-	0%	62	3%
Total	1	100%	2,106	100%
Median Gov't-Sponsored Student Loan Debt	\$21,000		\$15,000	

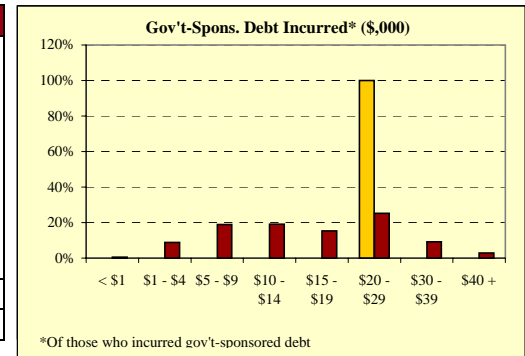
*includes only cases where government-sponsored debt was incurred

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.1201		SYSTEM	
None - Loan repaid in full	1	100%	747	39%
< \$1,000	-	0%	34	2%
\$1,000 to \$4,999	-	0%	249	13%
\$5,000 to \$9,999	-	0%	296	15%
\$10,000 to \$14,999	-	0%	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%
Total	1	100%	1,935	100%
Median Gov't-Sponsored Loan Debt Outstanding	\$0		\$3,600	

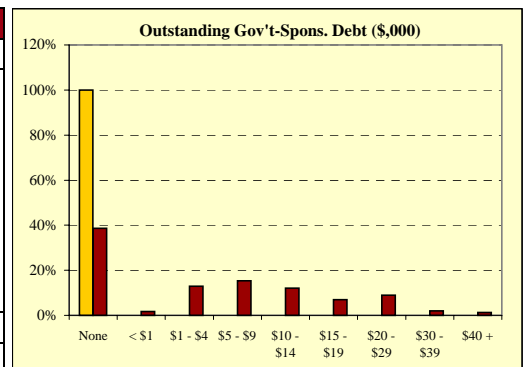
*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided



*Of those who incurred financial debt



*Of those who incurred gov't-sponsored debt



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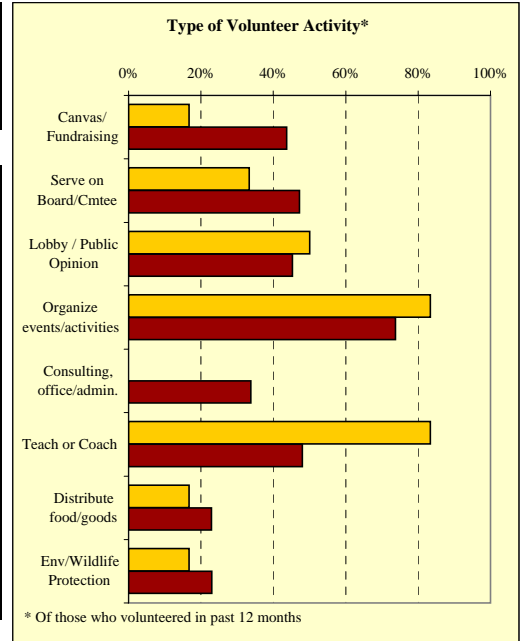
■ SYSTEM
■ 14.1201

SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

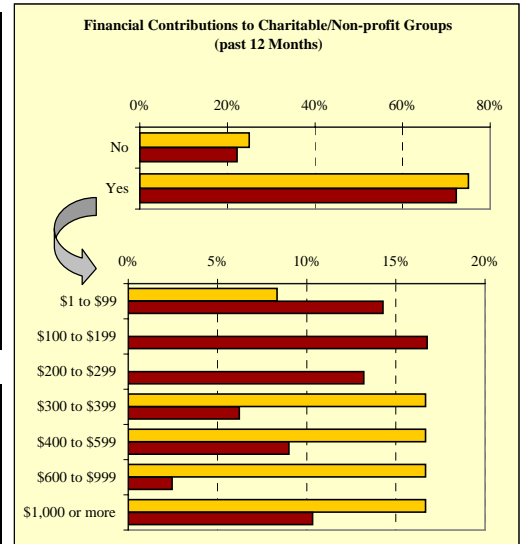
29. In the past 12 months, have you acted as an unpaid volunteer?	14.1201		SYSTEM	
No	6	50%	2,237	41%
Yes	6	50%	3,162	59%
Volunteer Hours/Week (Median)	3		1	

30. In the past 12 months, as an unpaid volunteer for an organization did you...	14.1201		SYSTEM	
do any canvassing, campaigning or fundraising?	1	17%*	1,382	44%*
serve as an unpaid member of a board or committee?	2	33%*	1,492	47%*
provide information or help to educate, influence public opinion, or lobby others?	3	50%*	1,431	45%*
help to organize/supervise activities/events for an organization?	5	83%*	2,331	74%*
do any consulting, executive, office or administrative work?	-	0%*	1,067	34%*
teach or coach for an organization?	5	83%*	1,517	48%*
collect, serve or deliver food or other goods?	1	17%*	723	23%*
engage in any activities aimed at protecting the environment or wildlife?	1	17%*	728	23%*

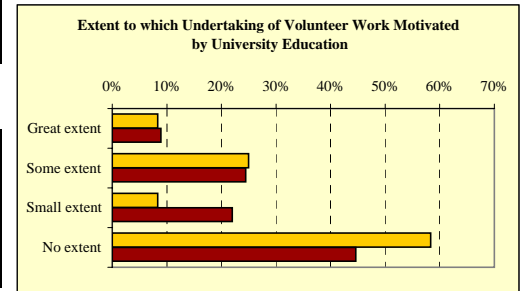
*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31. Financial contributions to charitable or non-profit groups in past 12 months	14.1201		SYSTEM	
\$0 (None)	3	25%	1,212	22%
\$1 to \$99	1	8%	778	14%
\$100 to \$199	-	0%	913	17%
\$200 to \$299	-	0%	719	13%
\$300 to \$399	2	17%	339	6%
\$400 to \$599	2	17%	491	9%
\$600 to \$999	2	17%	134	2%
\$1,000 or more	2	17%	563	10%
Median Annual Contribution	\$500		\$200	



32. Member or Participant in...	14.1201		SYSTEM	
Union/Professional Association (work-related)	3	25%	3,621	66%
Political organization	-	0%	283	5%
Cultural, educational or hobby organization	5	42%	1,776	33%
Sports or recreation organization	9	75%	2,369	43%
Religious-affiliated group	4	33%	1,020	19%
School group, civic, or community association	2	17%	1,449	27%
Other	1	8%	470	9%



33. To what extent did your university education motivate you to undertake volunteer work?	14.1201		SYSTEM	
Great extent	1	8%*	474	9%*
Some extent	3	25%*	1,298	24%*
Small extent	1	8%*	1,168	22%*
No extent	7	58%*	2,367	45%*

*percentages are of those who thought question was applicable