

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

Detailed Summary of Survey Results

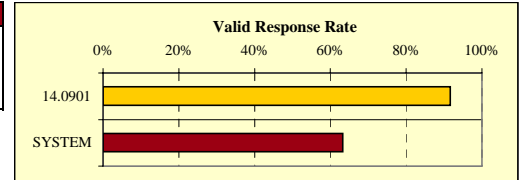
All Institutions

6 Digit CIP: 14.0901: Computer Engineering

■ SYSTEM  
■ 14.0901

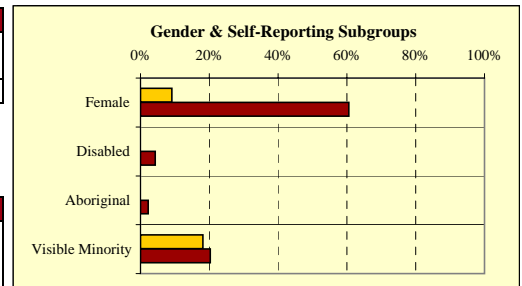
## RESPONSE RATE

1. Survey Response Rate:	14.0901	SYSTEM
Baccalaureate Graduates Survey Cohort	13	9,531
Net Frame	12	8,613
Survey Respondents and Valid Response Rate	11	5,449



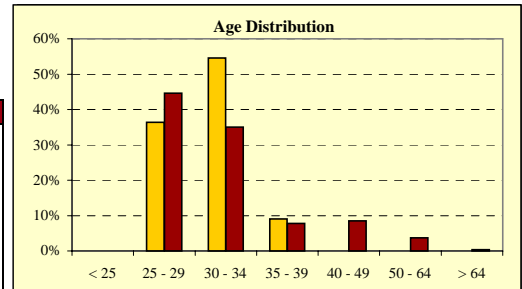
## DEMOGRAPHIC INFORMATION

2. Gender:	14.0901	SYSTEM
Male	10	2,147
Female	1	3,302
Total	11	5,449

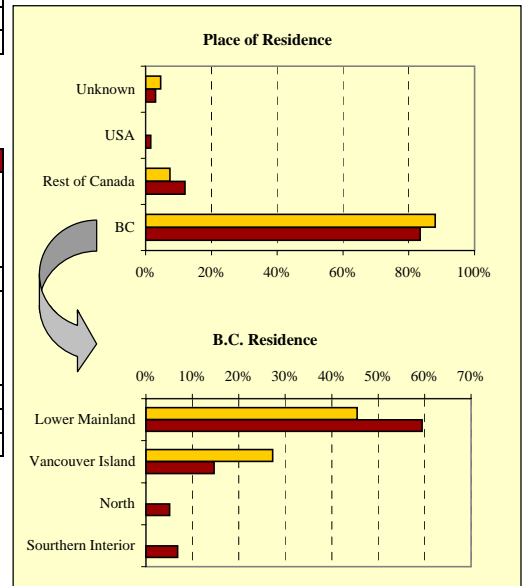


3. Self-Reporting Subgroups:	14.0901	SYSTEM
Disabled	-	234
Aboriginal	-	124
Visible Minority	2	1,104

4. Age (at time of survey):	14.0901	SYSTEM
< 25	-	2
25 to 29	4	2,413
30 to 34	6	1,895
35 to 39	1	421
40 to 49	-	461
50 to 64	-	199
> 64	-	19
Unknown	-	39
Total	11	5,410
Mean Age:	30.4	32.4



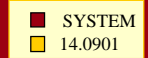
5. Place of Residence (at time of survey):	14.0901	SYSTEM
BC - Lower Mainland	5	3,241
BC - Vancouver Island	3	800
BC - North	-	276
BC - Southern Interior	-	372
B.C. Subtotal	8	4,689
Canada - Alberta	2	193
Canada - Ontario	-	212
Canada - Other	-	91
U.S.A.	1	146
Non-B.C. Subtotal	3	642
Unknown	-	118
Total	11	5,449



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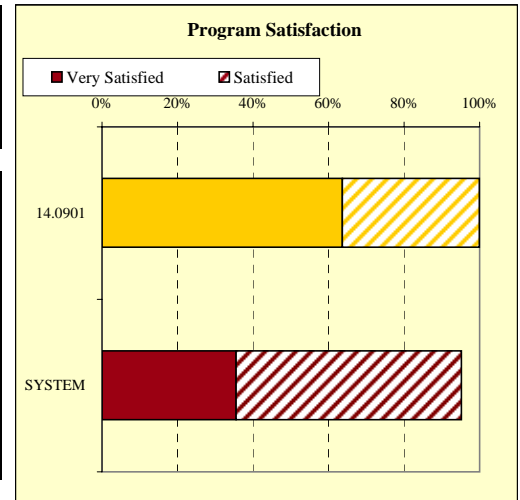
All Institutions

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EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	14.0901		SYSTEM	
Very Satisfied	7	64%	1,932	36%
Satisfied	4	36%	3,246	60%
Dissatisfied	-	0%	228	4%
Very Dissatisfied	-	0%	30	1%
Total	11	100%	5,436	100%

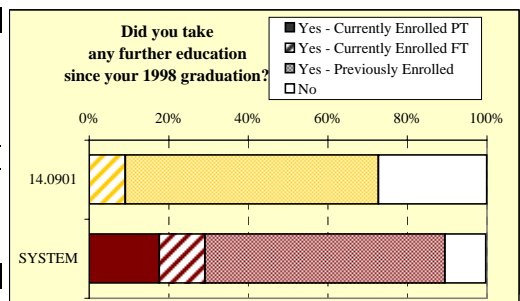


7. Would you select the same program again?	14.0901		SYSTEM	
Yes	9	90%	3,866	73%
No, because . . . (multiple response question)	1		1,420	
. . . not enough course variety offered	-	0%*	23	1%*
. . . skills acquired were not very useful	-	0%*	136	7%*
. . . courses were poorly taught	-	0%*	29	2%*
. . . program was too general	-	0%*	149	8%*
. . . courses were not practical	-	0%*	242	13%*
. . . interests have changed	1	100%*	356	20%*
. . . little or no career opportunities	-	0%*	511	28%*
. . . disagree with grading system	-	0%*	2	0%*
. . . disliked institution	-	0%*	6	0%*
. . . other	-	0%*	368	20%*

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

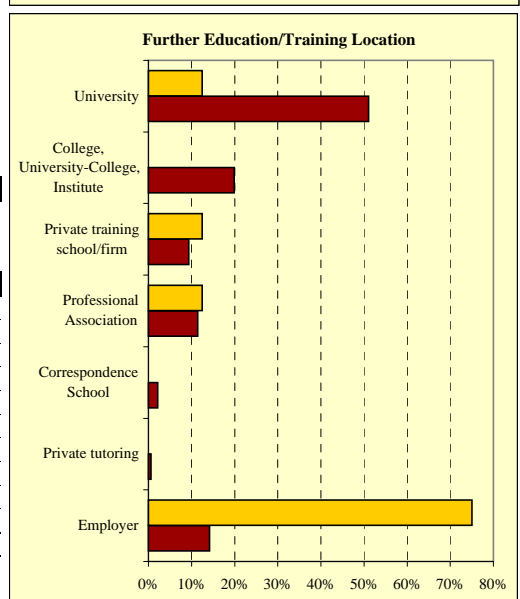
FURTHER EDUCATION

8. Took further education since 1996 graduation?	14.0901		SYSTEM	
Yes:	8	73%	4,885	90%
Not currently enrolled	7	64%	3,285	60%
Currently enrolled full-time	1	9%	628	12%
Currently enrolled part-time	-	0%	961	18%
No	3	27%	564	10%
Total	11	100%	5,449	100%



9. Further education/training location (multiple resp.):*	14.0901		SYSTEM	
University	1	13%*	2,494	51%*
College, University-College, Institute	-	0%*	972	20%*
Private training school/firm	1	13%*	457	9%*
Professional Association	1	13%*	557	11%*
Correspondence School	-	0%*	105	2%*
Private Tutoring	-	0%*	29	1%*
Employer	6	75%*	691	14%*
Other	-	0%*	163	3%*
Total Respondents	8		4,885	

\* Percent of respondents



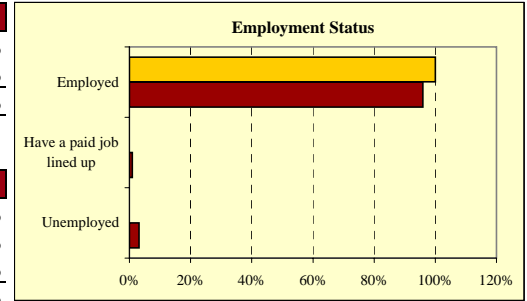
10. Main Reason for Further Education:	14.0901		SYSTEM	
Pursue another Bachelor degree	-	0%	315	6%
Pursue Masters studies	-	0%	566	10%
Pursue Doctoral studies	1	11%	138	3%
Career / job / employment related	8	89%	3,421	63%
Challenge myself intellectually	-	0%	446	8%
To please parents/family	-	0%	3	0%
Did not have a primary/main reason for enrolling	-	0%	13	0%
Required by employer	-	0%	173	3%
Other	-	0%	382	7%
Total	9	100%	5,457	100%

**Detailed Summary of Survey Results**  
**All Institutions**  
**6 Digit CIP: 14.0901: Computer Engineering**

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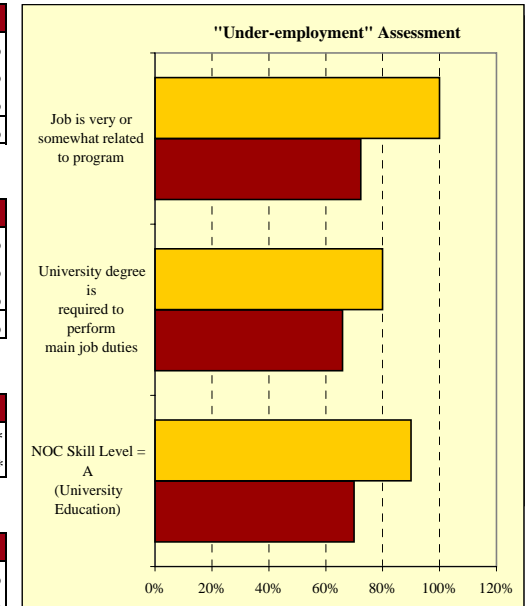
**EMPLOYMENT**

11. Labour Force Status:	14.0901	SYSTEM
In Labour Force (working or seeking work)	10 91%	4,952 91%
Not in Labour Force	1 9%	497 9%
Grand Total	11 100%	5,449 100%



12. Employment Status of those IN Labour Force:	14.0901	SYSTEM
Employed	10 100%	4,749 96%
Have a paid job lined up	- 0%	49 1%
Unemployed	- 0%	154 3%
Total Labour Force	10 100%	4,952 100%

13. Status of Graduates NOT in Labour Force:	14.0901	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:	14.0901	SYSTEM
Paid worker	10 100%	4,135 87%
Self-employed	- 0%	379 8%
Both a paid worker and self-employed	- 0%	235 5%
Total Employed	10 100%	4,749 100%

15. Job Characteristics:	14.0901	SYSTEM
I hold more than one job	- 0%*	706 15%*
My main job is full-time (>= 30 hours per week)	10 100%**	4,014 86%**

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

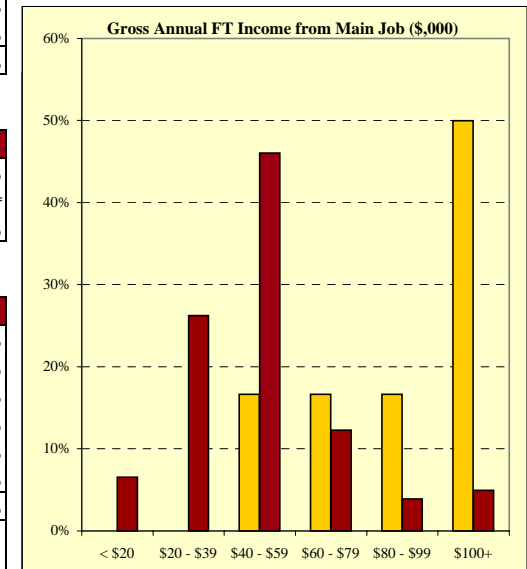
16. How related is your main job to your program?:	14.0901	SYSTEM
Very Related	7 70%	1,940 41%
Somewhat Related	3 30%	1,492 31%
Not Very Related	- 0%	601 13%
Not At All Related	- 0%	712 15%
Total	10 100%	4,745 100%

17. "Under-employment" Assessment:	14.0901	SYSTEM
Job is very or somewhat related to program	10 100%	3,432 72%
University degree is required to perform main job duties	8 80%*	3,000 66%*
NOC Skill Level = A (University Education)	9 90%	3,300 70%

\* of total valid responses

18. Gross Annual Income from Main Job:*	14.0901	SYSTEM
Less than \$20,000	- 0%	284 7%
\$20,000 to \$39,999	- 0%	1,138 26%
\$40,000 to \$59,999	1 17%	1,996 46%
\$60,000 to \$79,999	1 17%	533 12%
\$80,000 to \$99,999	1 17%	169 4%
\$100,000 and Above	3 50%	215 5%
Total	6 100%	4,335 100%
Median Annual Income (full-time)	\$93,500	\$45,680
Average Annual Income (full-time)	\$188,333	\$54,596

\* where data provided



Detailed Summary of Survey Results

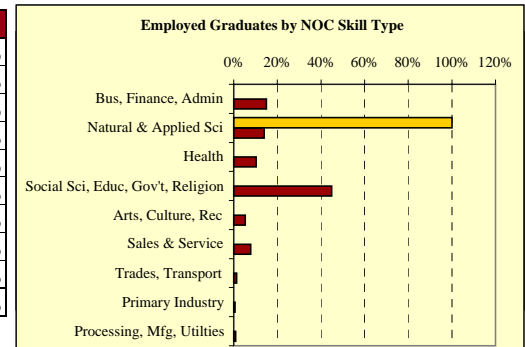
All Institutions

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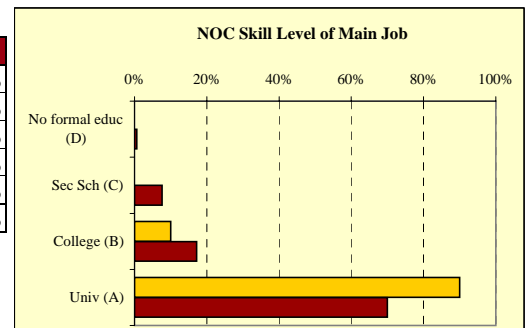
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EMPLOYMENT, continued

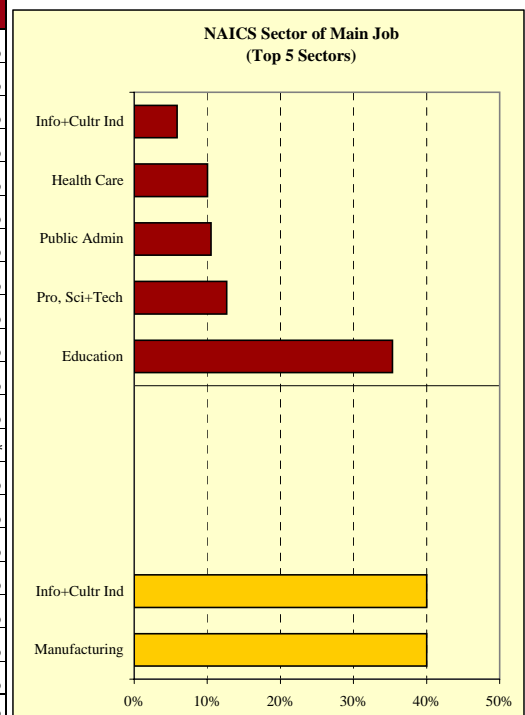
19. NOC Skill Type of Main Job:	14.0901	SYSTEM		
Business, Finance and Administration	-	0%	703	15%
Natural and Applied Sciences and Related	10	100%	659	14%
Health	-	0%	482	10%
Social Sciences, Educ., Gov't Services, Religion	-	0%	2,112	45%
Arts, Culture, Recreation and Sport	-	0%	252	5%
Sales and Service	-	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	-	0%	40	1%
Total	10	100%	4,707	100%



20. NOC Skill Level of Main Job:	14.0901	SYSTEM		
A. University education	9	90%	3,300	70%
B. College education/trade apprenticeship	1	10%	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%
Total	10	100%	4,719	100%



21. NAICS Sector of Main Job:	14.0901	SYSTEM		
Agriculture, Forestry, Fishing and Hunting	*	*	48	1%
Mining and Oil and Gas Extraction	*	*	17	0%
Utilities	*	*	20	0%
Construction	*	*	33	1%
Manufacturing	4	40%	271	6%
Wholesale Trade	*	*	46	1%
Retail Trade	*	*	157	3%
Transportation and Warehousing	*	*	76	2%
Information and Cultural Industries	4	40%	275	6%
Finance and Insurance	*	*	231	5%
Real Estate and Rental and Leasing	*	*	31	1%
Professional, Scientific and Technical Services	*	*	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	10	100%	4698	100%



\*data not displayed where n < 2

Detailed Summary of Survey Results

All Institutions

6 Digit CIP: 14.0901: Computer Engineering

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14.0901

EMPLOYMENT, continued

22a. **Top 10 Full-time Occupations of 14.0901 Graduates:**

			14.0901	
NOC	NOC	Skill Level Description	% Employed FT in this Occ.**	Median FT Salary
2174	A	Computer Programmers/Interactive Media Developers	50%	\$70,000
2173	A	Software Engineers	30%	\$107,000
*				
*				
*				
*				
*				
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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

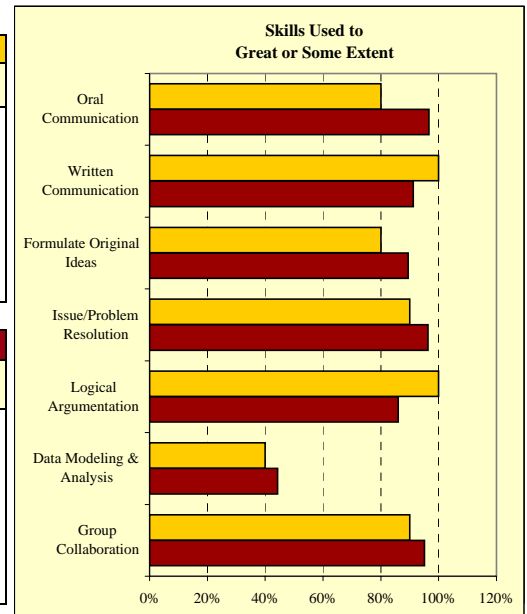
\*data not displayed where n < 2

\*\*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?**

	14.0901				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	60%	20%	20%	0%	10
Written Communication	60%	40%	0%	0%	10
Formulate Original Ideas	20%	60%	20%	0%	10
Issue/Problem Resolution	70%	20%	10%	0%	10
Logical Argumentation	50%	50%	0%	0%	10
Data Modeling & Analysis	20%	20%	60%	0%	10
Group Collaboration	60%	30%	0%	10%	10



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

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**EDUCATION FINANCING**

24. Education Funding Sources (2 sources per respondent):	14.0901		SYSTEM	
Personal Savings	1	9%*	898	16%*
Employment	6	55%*	3,323	61%*
Family/Friends	4	36%*	2,048	38%*
Bank Loans	-	0%*	75	1%*
Student Loans	3	27%*	2,051	38%*
Scholarships/Bursaries/Grants	3	27%*	661	12%*
Other	-	0%*	90	2%*
<b>Total Respondents</b>	<b>11</b>		<b>5,449</b>	

\* Percentage of respondents who identified this source

25. Financial Debt Incurred to Finance Univ. Education:	14.0901		SYSTEM	
Incurred any form of financial debt	3	33%*	2,471	47%*
Incurred government-sponsored student loan debt	2	22%*	2,106	40%*

\* Percentage of respondents who provided data

26. Financial Debt Amount:*	14.0901		SYSTEM	
< \$1,000	-	0%	12	0%
\$1,000 to \$4,999	-	0%	231	9%
\$5,000 to \$9,999	2	67%	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%
<b>Total</b>	<b>3</b>	<b>100%</b>	<b>2,471</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$8,000</b>		<b>\$15,000</b>	

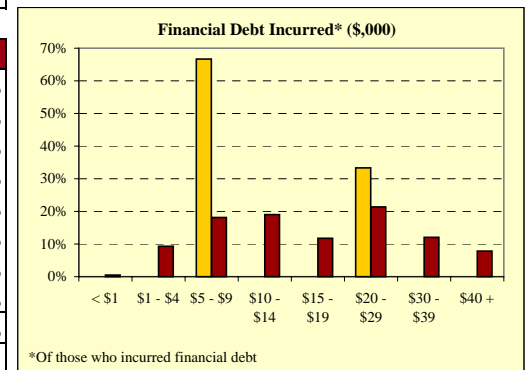
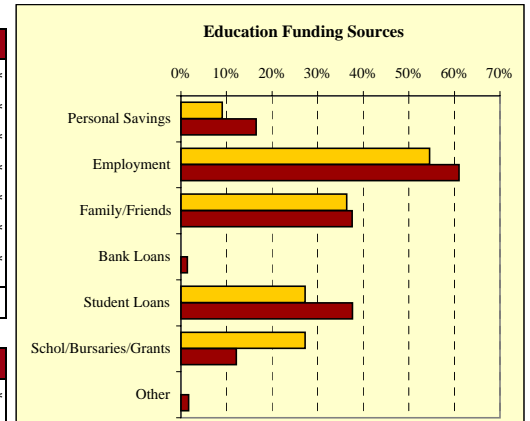
\*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.0901		SYSTEM	
< \$1,000	-	0%	10	0%
\$1,000 to \$4,999	1	50%	187	9%
\$5,000 to \$9,999	1	50%	399	19%
\$10,000 to \$14,999	-	0%	402	19%
\$15,000 to \$19,999	-	0%	321	15%
\$20,000 to \$29,999	-	0%	533	25%
\$30,000 to \$39,999	-	0%	192	9%
\$40,000 or More	-	0%	62	3%
<b>Total</b>	<b>2</b>	<b>100%</b>	<b>2,106</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$4,000</b>		<b>\$15,000</b>	

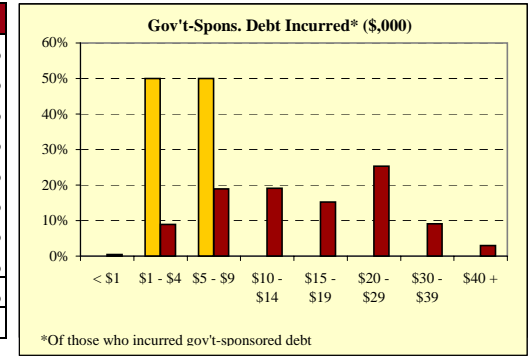
\*includes only cases where government-sponsored debt was incurred

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.0901		SYSTEM	
None - Loan repaid in full	1	50%	747	39%
< \$1,000	-	0%	34	2%
\$1,000 to \$4,999	1	50%	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%
<b>Total</b>	<b>2</b>	<b>100%</b>	<b>1,935</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$1,500</b>		<b>\$3,600</b>	

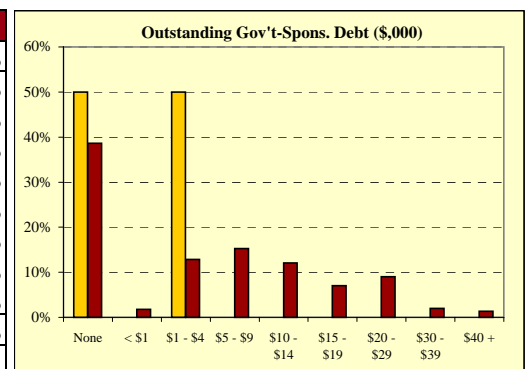
\*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided



\*Of those who incurred financial debt



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



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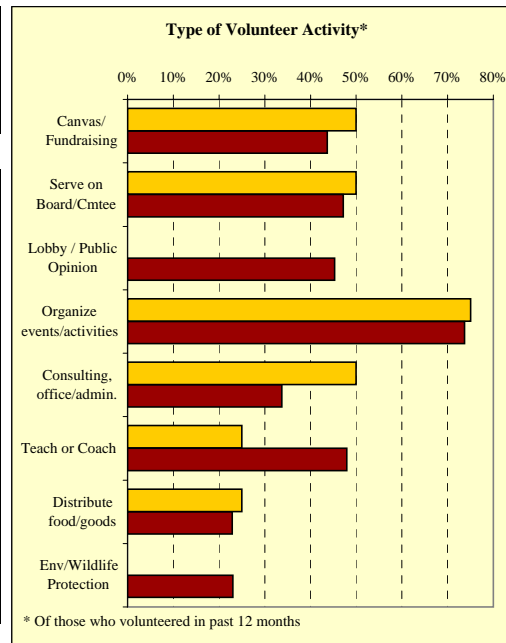
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SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

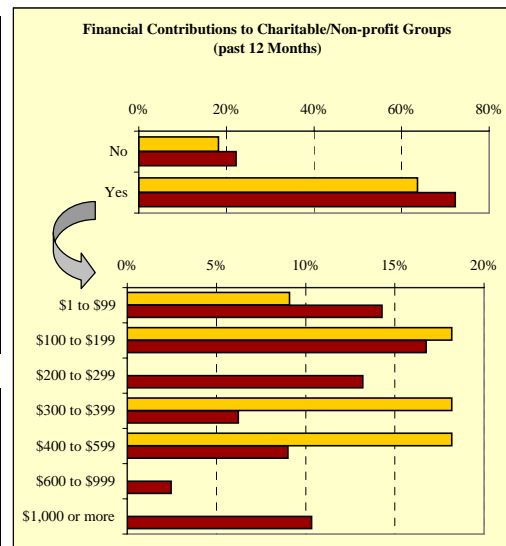
29.	In the past 12 months, have you acted as an unpaid volunteer?	14.0901	SYSTEM
	No	7 64%	2,237 41%
	Yes	4 36%	3,162 59%
	Volunteer Hours/Week (Median)	-	1



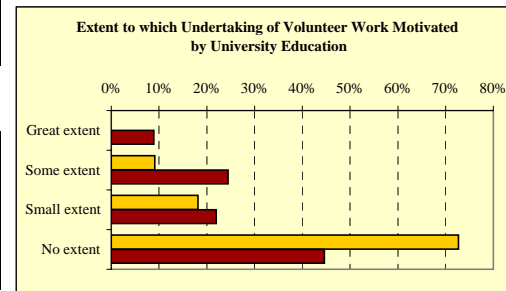
30.	In the past 12 months, as an unpaid volunteer for an organization did you...	14.0901	SYSTEM
	do any canvassing, campaigning or fundraising?	2 50%*	1,382 44%*
	serve as an unpaid member of a board or committee?	2 50%*	1,492 47%*
	provide information or help to educate, influence public opinion, or lobby others?	- 0%*	1,431 45%*
	help to organize/supervise activities/events for an organization?	3 75%*	2,331 74%*
	do any consulting, executive, office or administrative work?	2 50%*	1,067 34%*
	teach or coach for an organization?	1 25%*	1,517 48%*
	collect, serve or deliver food or other goods?	1 25%*	723 23%*
	engage in any activities aimed at protecting the environment or wildlife?	- 0%*	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	14.0901	SYSTEM
	\$0 (None)	2 18%	1,212 22%
	\$1 to \$99	1 9%	778 14%
	\$100 to \$199	2 18%	913 17%
	\$200 to \$299	- 0%	719 13%
	\$300 to \$399	2 18%	339 6%
	\$400 to \$599	2 18%	491 9%
	\$600 to \$999	- 0%	134 2%
	\$1,000 or more	- 0%	563 10%
	Median Annual Contribution	\$300	\$200



32.	Member or Participant in...	14.0901	SYSTEM
	Union/Professional Association (work-related)	4 36%	3,621 66%
	Political organization	- 0%	283 5%
	Cultural, educational or hobby organization	2 18%	1,776 33%
	Sports or recreation organization	2 18%	2,369 43%
	Religious-affiliated group	1 9%	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?	14.0901	SYSTEM
	Great extent	- 0%*	474 9%*
	Some extent	1 9%*	1,298 24%*
	Small extent	2 18%*	1,168 22%*
	No extent	8 73%*	2,367 45%*

\*percentages are of those who thought question was applicable