

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

Detailed Summary of Survey Results

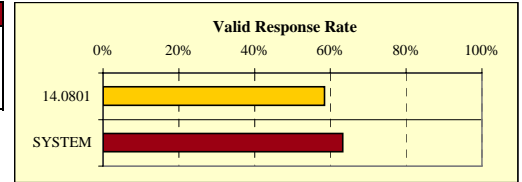
All Institutions

6 Digit CIP: 14.0801: Civil Engineering, General

■ SYSTEM  
■ 14.0801

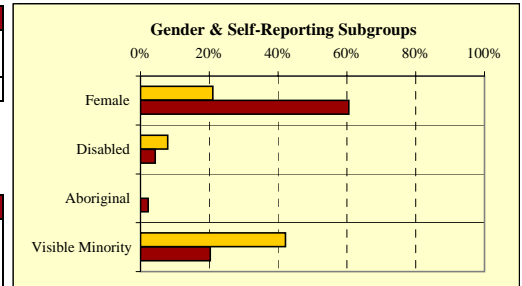
## RESPONSE RATE

1. Survey Response Rate:	14.0801	SYSTEM		
Baccalaureate Graduates Survey Cohort	82	9,531		
Net Frame	65	8,613		
Survey Respondents and Valid Response Rate	38	58%	5,449	63%



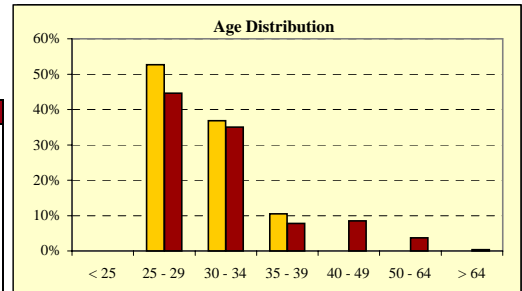
## DEMOGRAPHIC INFORMATION

2. Gender:	14.0801	SYSTEM		
Male	30	79%	2,147	39%
Female	8	21%	3,302	61%
Total	38	100%	5,449	100%

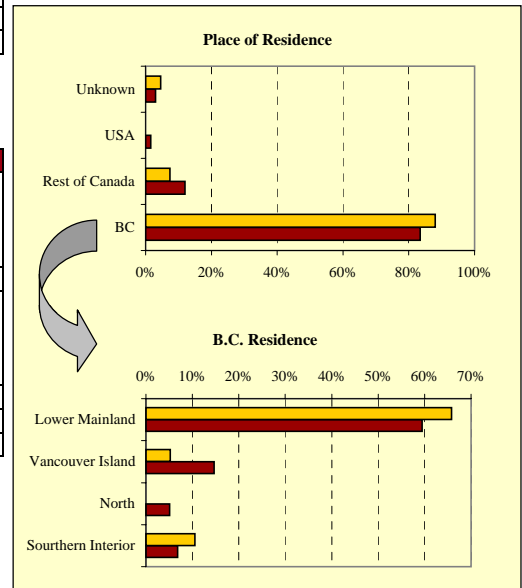


3. Self-Reporting Subgroups:	14.0801	SYSTEM		
Disabled	3	8%	234	4%
Aboriginal	-	0%	124	2%
Visible Minority	16	42%	1,104	20%

4. Age (at time of survey):	14.0801	SYSTEM		
< 25	-	0%	2	0%
25 to 29	20	53%	2,413	45%
30 to 34	14	37%	1,895	35%
35 to 39	4	11%	421	8%
40 to 49	-	0%	461	9%
50 to 64	-	0%	199	4%
> 64	-	0%	19	0%
Unknown	-	0%	39	1%
Total	38	100%	5,410	100%
Mean Age:	30.5	32.4		



5. Place of Residence (at time of survey):	14.0801	SYSTEM		
BC - Lower Mainland	25	66%	3,241	59%
BC - Vancouver Island	2	5%	800	15%
BC - North	-	0%	276	5%
BC - Southern Interior	4	11%	372	7%
B.C. Subtotal	31	82%	4,689	86%
Canada - Alberta	1	3%	193	4%
Canada - Ontario	2	5%	212	4%
Canada - Other	1	3%	91	2%
U.S.A.	2	5%	146	3%
Non-B.C. Subtotal	6	16%	642	12%
Unknown	1	3%	118	2%
Total	38	100%	5,449	100%



Detailed Summary of Survey Results

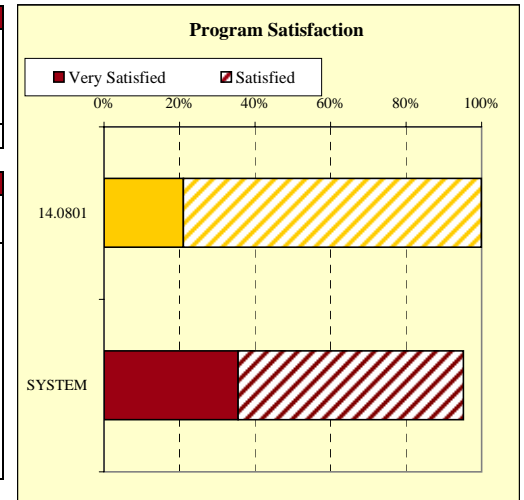
All Institutions

6 Digit CIP: 14.0801: Civil Engineering, General

■ SYSTEM
■ 14.0801

EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	14.0801	SYSTEM
Very Satisfied	8 21%	1,932 36%
Satisfied	30 79%	3,246 60%
Dissatisfied	- 0%	228 4%
Very Dissatisfied	- 0%	30 1%
Total	38 100%	5,436 100%

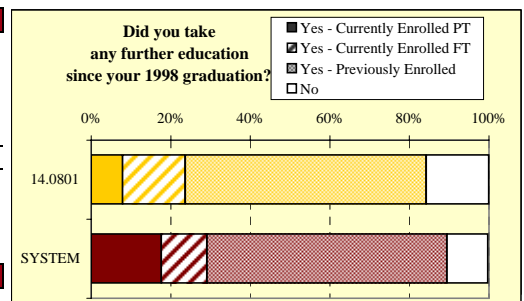


7. Would you select the same program again?	14.0801	SYSTEM
Yes	21 62%	3,866 73%
No, because . . . (multiple response question)	13	1,420
. . . not enough course variety offered	- 0%*	23 1%*
. . . skills acquired were not very useful	- 0%*	136 7%*
. . . courses were poorly taught	- 0%*	29 2%*
. . . program was too general	- 0%*	149 8%*
. . . courses were not practical	1 7%*	242 13%*
. . . interests have changed	8 57%*	356 20%*
. . . little or no career opportunities	- 0%*	511 28%*
. . . disagree with grading system	- 0%*	2 0%*
. . . disliked institution	- 0%*	6 0%*
. . . other	5 36%*	368 20%*

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

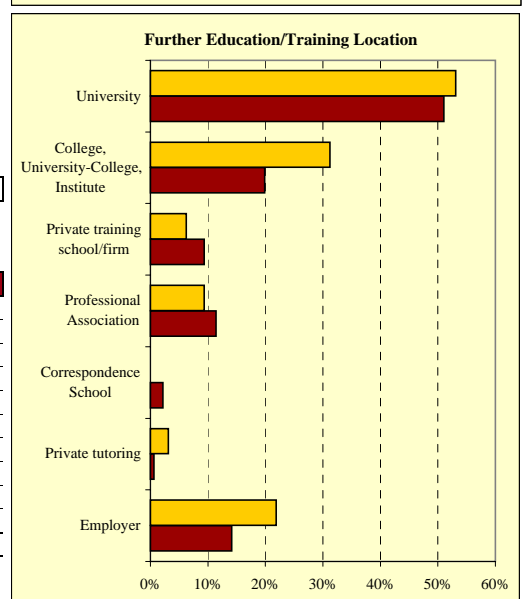
FURTHER EDUCATION

8. Took further education since 1996 graduation?	14.0801	SYSTEM
Yes:	32 84%	4,885 90%
Not currently enrolled	23 61%	3,285 60%
Currently enrolled full-time	6 16%	628 12%
Currently enrolled part-time	3 8%	961 18%
No	6 16%	564 10%
Total	38 100%	5,449 100%



9. Further education/training location (multiple resp.):*	14.0801	SYSTEM
University	17 53%*	2,494 51%*
College, University-College, Institute	10 31%*	972 20%*
Private training school/firm	2 6%*	457 9%*
Professional Association	3 9%*	557 11%*
Correspondence School	- 0%*	105 2%*
Private Tutoring	1 3%*	29 1%*
Employer	7 22%*	691 14%*
Other	- 0%*	163 3%*
Total Respondents	32	4,885

\* Percent of respondents



10. Main Reason for Further Education:	14.0801	SYSTEM
Pursue another Bachelor degree	2 5%	315 6%
Pursue Masters studies	4 10%	566 10%
Pursue Doctoral studies	2 5%	138 3%
Career / job / employment related	23 58%	3,421 63%
Challenge myself intellectually	3 8%	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	6 15%	382 7%
Total	40 100%	5,457 100%

Detailed Summary of Survey Results

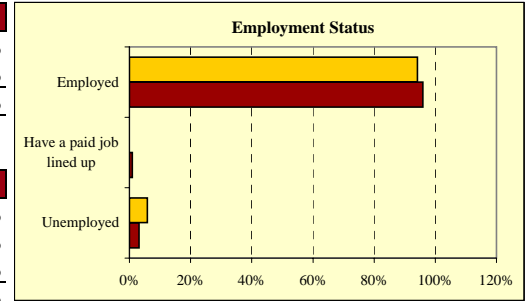
All Institutions

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■ 14.0801

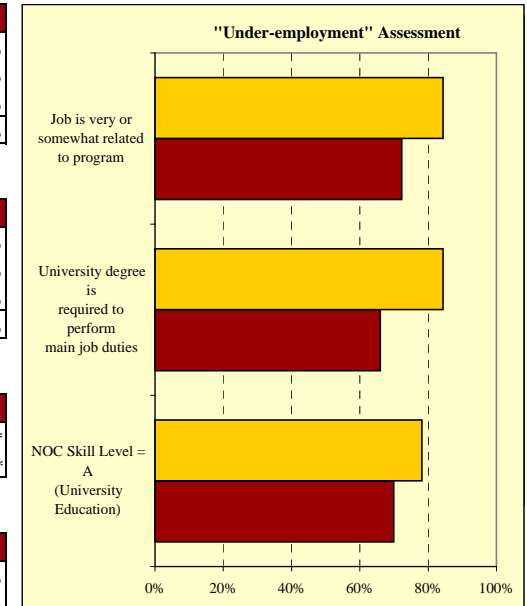
EMPLOYMENT

11. Labour Force Status:	14.0801		SYSTEM	
In Labour Force (working or seeking work)	34	89%	4,952	91%
Not in Labour Force	4	11%	497	9%
Grand Total	38	100%	5,449	100%



12. Employment Status of those IN Labour Force:	14.0801		SYSTEM	
Employed	32	94%	4,749	96%
Have a paid job lined up	-	0%	49	1%
Unemployed	2	6%	154	3%
Total Labour Force	34	100%	4,952	100%

13. Status of Graduates NOT in Labour Force:	14.0801		SYSTEM	
Attending School FT	1	25%	225	45%
Attending School PT	-	0%	27	5%
Other	3	75%	245	49%
Total NOT in Labour Force	4	100%	497	100%



14. Employment Type:	14.0801		SYSTEM	
Paid worker	30	94%	4,135	87%
Self-employed	1	3%	379	8%
Both a paid worker and self-employed	1	3%	235	5%
Total Employed	32	100%	4,749	100%

15. Job Characteristics:	14.0801		SYSTEM	
I hold more than one job	4	13%*	706	15%*
My main job is full-time (>= 30 hours per week)	29	91%**	4,014	86%**

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

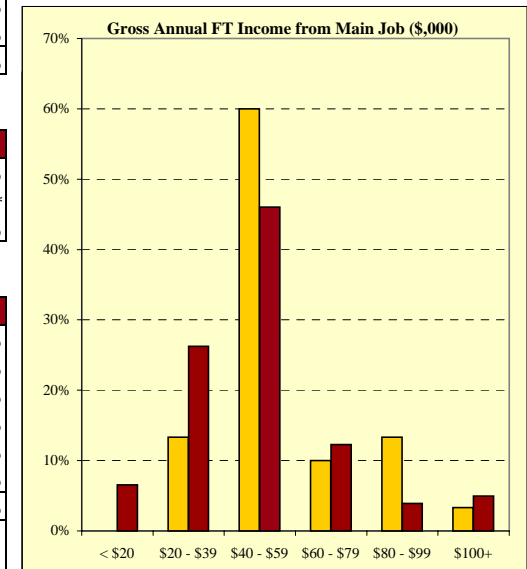
16. How related is your main job to your program?:	14.0801		SYSTEM	
Very Related	18	56%	1,940	41%
Somewhat Related	9	28%	1,492	31%
Not Very Related	2	6%	601	13%
Not At All Related	3	9%	712	15%
Total	32	100%	4,745	100%

17. "Under-employment" Assessment:	14.0801		SYSTEM	
Job is very or somewhat related to program	27	84%	3,432	72%
University degree is required to perform main job duties	27	84%*	3,000	66%*
NOC Skill Level = A (University Education)	25	78%	3,300	70%

\* of total valid responses

18. Gross Annual Income from Main Job:*	14.0801		SYSTEM	
Less than \$20,000	-	0%	284	7%
\$20,000 to \$39,999	4	13%	1,138	26%
\$40,000 to \$59,999	18	60%	1,996	46%
\$60,000 to \$79,999	3	10%	533	12%
\$80,000 to \$99,999	4	13%	169	4%
\$100,000 and Above	1	3%	215	5%
Total	30	100%	4,335	100%
Median Annual Income (full-time)	\$54,500		\$45,680	
Average Annual Income (full-time)	\$58,711		\$54,596	

\* where data provided



Detailed Summary of Survey Results

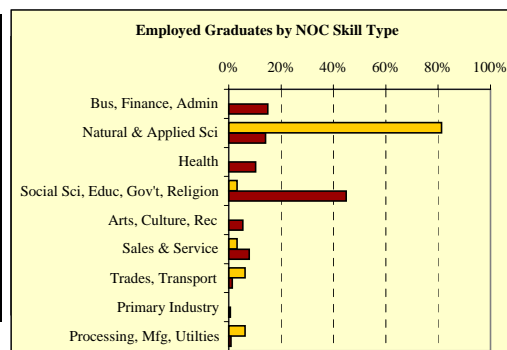
All Institutions

6 Digit CIP: 14.0801: Civil Engineering, General

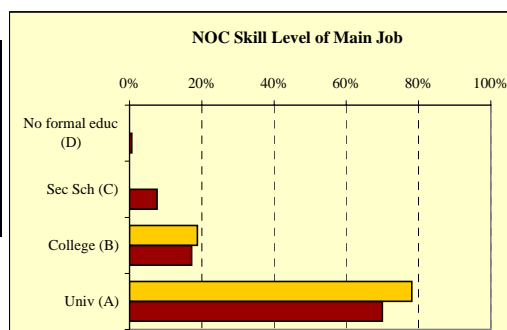
■ SYSTEM  
■ 14.0801

EMPLOYMENT, continued

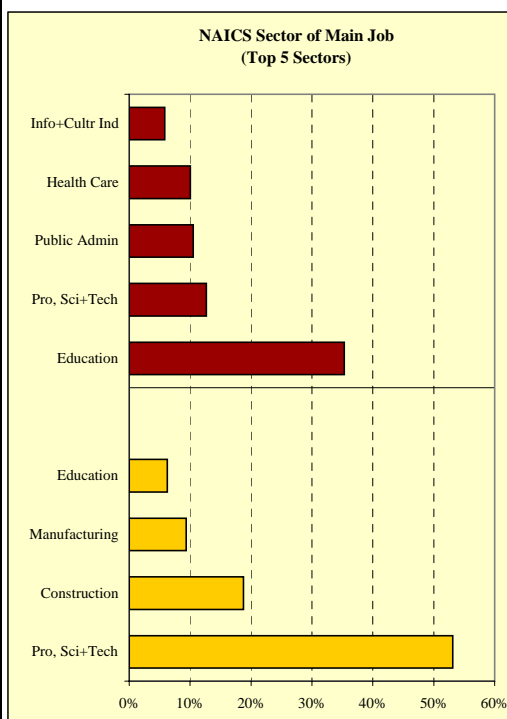
19. NOC Skill Type of Main Job:	14.0801	SYSTEM		
Business, Finance and Administration	-	0%	703	15%
Natural and Applied Sciences and Related	26	81%	659	14%
Health	-	0%	482	10%
Social Sciences, Educ., Gov't Services, Religion	1	3%	2,112	45%
Arts, Culture, Recreation and Sport	-	0%	252	5%
Sales and Service	1	3%	366	8%
Trades, Transport and Eqp. Operators and Related	2	6%	62	1%
Unique to the Primary Industry	-	0%	31	1%
Unique to Processing, Manufacturing and Utilities	2	6%	40	1%
Total	32	100%	4,707	100%



20. NOC Skill Level of Main Job:	14.0801	SYSTEM		
A. University education	25	78%	3,300	70%
B. College education/trade apprenticeship	6	19%	811	17%
C. Secondary school + job-specific training	-	0%	361	8%
D. No formal education	-	0%	29	1%
No Skill Level assigned (management)	1	3%	218	5%
Total	32	100%	4,719	100%



21. NAICS Sector of Main Job:	14.0801	SYSTEM		
Agriculture, Forestry, Fishing and Hunting	*	*	48	1%
Mining and Oil and Gas Extraction	*	*	17	0%
Utilities	*	*	20	0%
Construction	6	19%	33	1%
Manufacturing	3	9%	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	17	53%	594	13%
Management of Companies and Enterprises	*	*	*	*
Admin., Support, Waste Mgmt., Remediation Svcs.	*	*	28	1%
Education Services	2	6%	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	32	100%	4698	100%



\*data not displayed where n < 2

Detailed Summary of Survey Results

All Institutions

6 Digit CIP: 14.0801: Civil Engineering, General

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■ 14.0801

EMPLOYMENT, continued

22a. **Top 10 Full-time Occupations of 14.0801 Graduates:**

			14.0801	
NOC	Skill Level Description		% Employed FT in this Occ.**	Median FT Salary
2131	A	Civil Engineers	59%	\$54,500
7217	B	Supervisors-Heavy Const Equip Crews	6%	\$72,500
*				
*				
*				
*				
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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	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

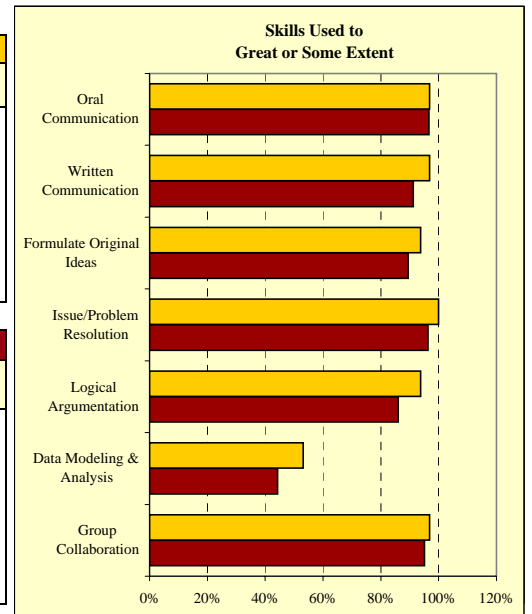
\*data not displayed where n < 2

\*\*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?**

	14.0801				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	84%	13%	3%	0%	32
Written Communication	75%	22%	3%	0%	32
Formulate Original Ideas	28%	66%	6%	0%	32
Issue/Problem Resolution	75%	25%	0%	0%	32
Logical Argumentation	53%	41%	3%	3%	32
Data Modeling & Analysis	28%	25%	31%	16%	32
Group Collaboration	75%	22%	3%	0%	32



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

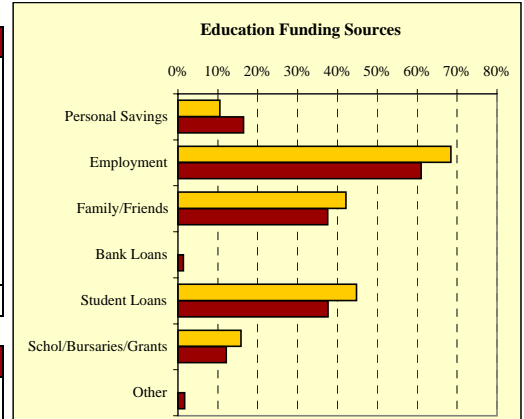
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■ 14.0801

EDUCATION FINANCING

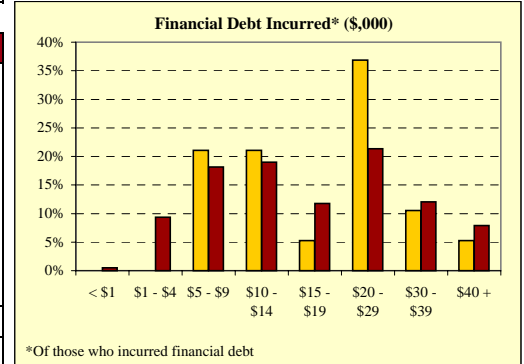
24. Education Funding Sources (2 sources per respondent):	14.0801		SYSTEM	
Personal Savings	4	11%*	898	16%*
Employment	26	68%*	3,323	61%*
Family/Friends	16	42%*	2,048	38%*
Bank Loans	-	0%*	75	1%*
Student Loans	17	45%*	2,051	38%*
Scholarships/Bursaries/Grants	6	16%*	661	12%*
Other	-	0%*	90	2%*
<b>Total Respondents</b>	<b>38</b>		<b>5,449</b>	

\*Percentage of respondents who identified this source



25. Financial Debt Incurred to Finance Univ. Education:	14.0801		SYSTEM	
Incurred any form of financial debt	19	51%*	2,471	47%*
Incurred government-sponsored student loan debt	19	51%*	2,106	40%*

\*Percentage of respondents who provided data



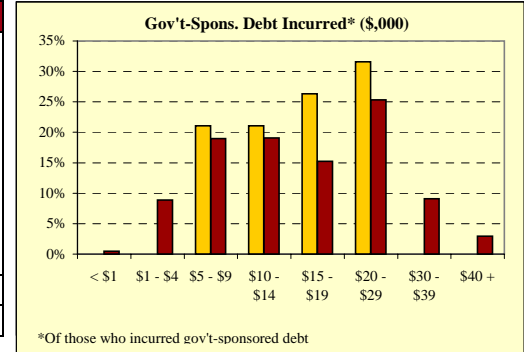
\*Of those who incurred financial debt

26. Financial Debt Amount:*	14.0801		SYSTEM	
< \$1,000	-	0%	12	0%
\$1,000 to \$4,999	-	0%	231	9%
\$5,000 to \$9,999	4	21%	448	18%
\$10,000 to \$14,999	4	21%	469	19%
\$15,000 to \$19,999	1	5%	291	12%
\$20,000 to \$29,999	7	37%	527	21%
\$30,000 to \$39,999	2	11%	298	12%
\$40,000 or More	1	5%	195	8%
<b>Total</b>	<b>19</b>	<b>100%</b>	<b>2,471</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$20,000</b>		<b>\$15,000</b>	

\*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	14.0801		SYSTEM	
< \$1,000	-	0%	10	0%
\$1,000 to \$4,999	-	0%	187	9%
\$5,000 to \$9,999	4	21%	399	19%
\$10,000 to \$14,999	4	21%	402	19%
\$15,000 to \$19,999	5	26%	321	15%
\$20,000 to \$29,999	6	32%	533	25%
\$30,000 to \$39,999	-	0%	192	9%
\$40,000 or More	-	0%	62	3%
<b>Total</b>	<b>19</b>	<b>100%</b>	<b>2,106</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$17,000</b>		<b>\$15,000</b>	

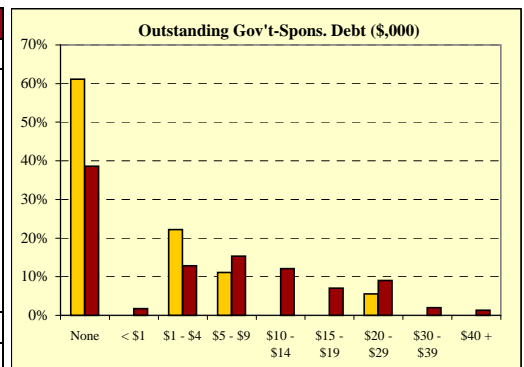
\*includes only cases where government-sponsored debt was incurred



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

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	14.0801		SYSTEM	
None - Loan repaid in full	11	61%	747	39%
< \$1,000	-	0%	34	2%
\$1,000 to \$4,999	4	22%	249	13%
\$5,000 to \$9,999	2	11%	296	15%
\$10,000 to \$14,999	-	0%	234	12%
\$15,000 to \$19,999	-	0%	136	7%
\$20,000 to \$29,999	1	6%	174	9%
\$30,000 to \$39,999	-	0%	39	2%
\$40,000 or More	-	0%	26	1%
<b>Total</b>	<b>18</b>	<b>100%</b>	<b>1,935</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$0</b>		<b>\$3,600</b>	

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



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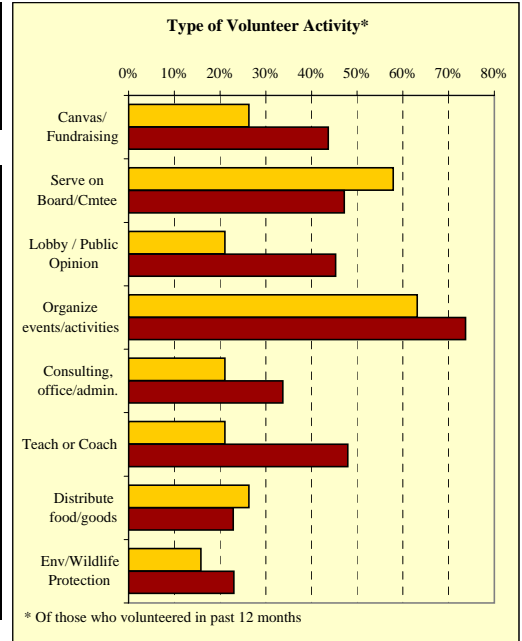
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SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

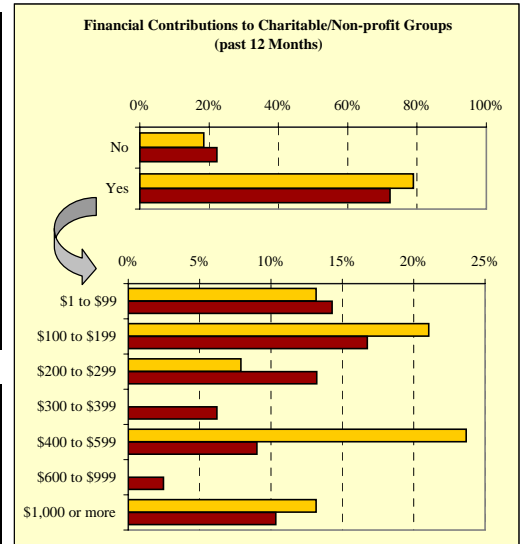
29.	In the past 12 months, have you acted as an unpaid volunteer?	14.0801	SYSTEM
	No	19 50%	2,237 41%
	Yes	19 50%	3,162 59%
	Volunteer Hours/Week (Median)	2	1

30.	In the past 12 months, as an unpaid volunteer for an organization did you...	14.0801	SYSTEM
	do any canvassing, campaigning or fundraising?	5 26%*	1,382 44%*
	serve as an unpaid member of a board or committee?	11 58%*	1,492 47%*
	provide information or help to educate, influence public opinion, or lobby others?	4 21%*	1,431 45%*
	help to organize/supervise activities/events for an organization?	12 63%*	2,331 74%*
	do any consulting, executive, office or administrative work?	4 21%*	1,067 34%*
	teach or coach for an organization?	4 21%*	1,517 48%*
	collect, serve or deliver food or other goods?	5 26%*	723 23%*
	engage in any activities aimed at protecting the environment or wildlife?	3 16%*	728 23%*

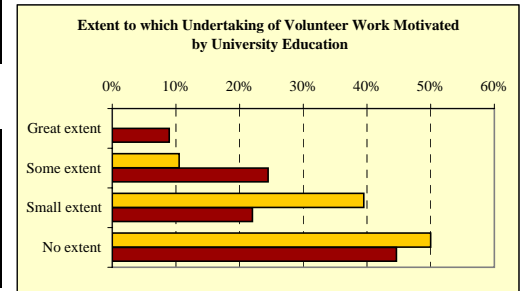
\*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31.	Financial contributions to charitable or non-profit groups in past 12 months	14.0801	SYSTEM
	\$0 (None)	7 18%	1,212 22%
	\$1 to \$99	5 13%	778 14%
	\$100 to \$199	8 21%	913 17%
	\$200 to \$299	3 8%	719 13%
	\$300 to \$399	- 0%	339 6%
	\$400 to \$599	9 24%	491 9%
	\$600 to \$999	- 0%	134 2%
	\$1,000 or more	5 13%	563 10%
	Median Annual Contribution	\$225	\$200



32.	Member or Participant in...	14.0801	SYSTEM
	Union/Professional Association (work-related)	29 76%	3,621 66%
	Political organization	- 0%	283 5%
	Cultural, educational or hobby organization	6 16%	1,776 33%
	Sports or recreation organization	13 34%	2,369 43%
	Religious-affiliated group	9 24%	1,020 19%
	School group, civic, or community association	6 16%	1,449 27%
	Other	5 13%	470 9%



33.	To what extent did your university education motivate you to undertake volunteer work?	14.0801	SYSTEM
	Great extent	- 0%*	474 9%*
	Some extent	4 11%*	1,298 24%*
	Small extent	15 39%*	1,168 22%*
	No extent	19 50%*	2,367 45%*

\*percentages are of those who thought question was applicable