

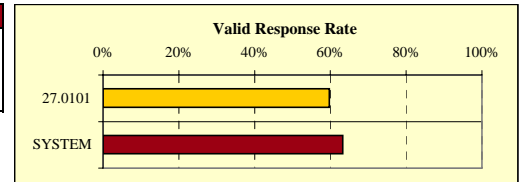
# B.C. University Student Outcomes 2001 Survey of 1996 Baccalaureate Graduates

Detailed Summary of Survey Results  
All Institutions  
6 Digit CIP: 27.0101: Mathematics

■ SYSTEM  
■ 27.0101

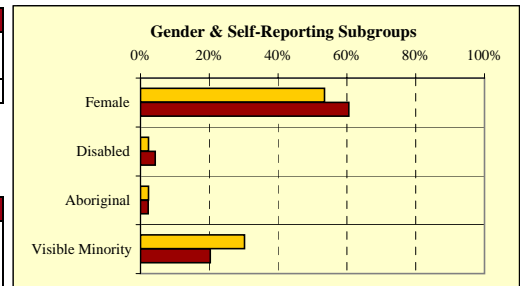
## RESPONSE RATE

1. Survey Response Rate:	27.0101	SYSTEM	
Baccalaureate Graduates Survey Cohort	87	9,531	
Net Frame	72	8,613	
Survey Respondents and Valid Response Rate	43	60%	5,449 63%



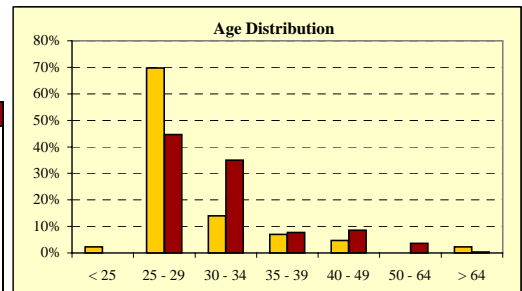
## DEMOGRAPHIC INFORMATION

2. Gender:	27.0101	SYSTEM	
Male	20	47%	2,147 39%
Female	23	53%	3,302 61%
Total	43	100%	5,449 100%

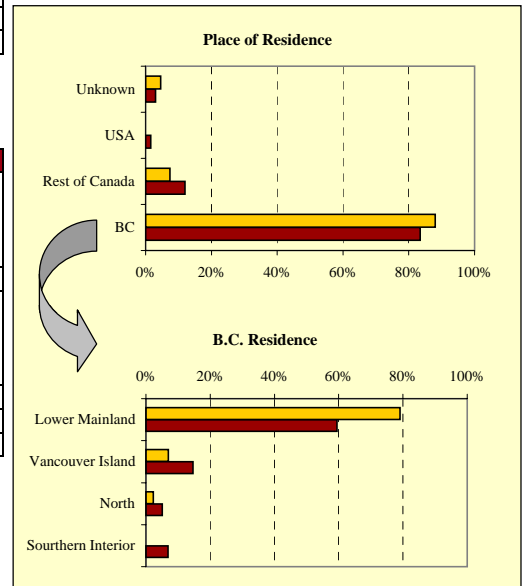


3. Self-Reporting Subgroups:	27.0101	SYSTEM	
Disabled	1	2%	234 4%
Aboriginal	1	2%	124 2%
Visible Minority	13	30%	1,104 20%

4. Age (at time of survey):	27.0101	SYSTEM	
< 25	1	2%	2 0%
25 to 29	30	70%	2,413 45%
30 to 34	6	14%	1,895 35%
35 to 39	3	7%	421 8%
40 to 49	2	5%	461 9%
50 to 64	-	0%	199 4%
> 64	1	2%	19 0%
Unknown	-	0%	39 1%
Total	43	100%	5,410 100%
Mean Age:	31.0	32.4	



5. Place of Residence (at time of survey):	27.0101	SYSTEM	
BC - Lower Mainland	34	79%	3,241 59%
BC - Vancouver Island	3	7%	800 15%
BC - North	1	2%	276 5%
BC - Southern Interior	-	0%	372 7%
B.C. Subtotal	38	88%	4,689 86%
Canada - Alberta	-	0%	193 4%
Canada - Ontario	1	2%	212 4%
Canada - Other	3	7%	91 2%
U.S.A.	1	2%	146 3%
Non-B.C. Subtotal	5	12%	642 12%
Unknown	-	0%	118 2%
Total	43	100%	5,449 100%



**Detailed Summary of Survey Results**  
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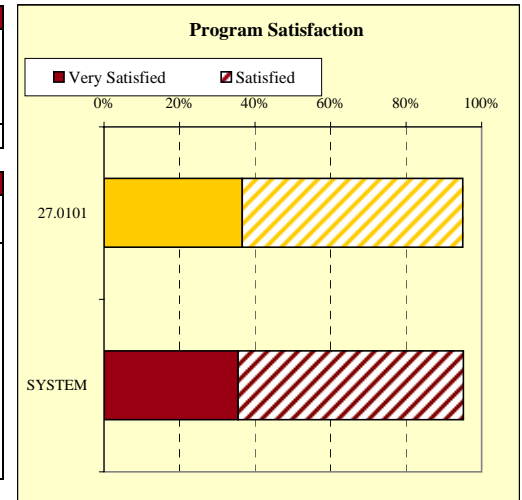
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**EDUCATION SATISFACTION & PROGRAM EVALUATION**

6. Program Satisfaction:	27.0101		SYSTEM	
Very Satisfied	15	37%	1,932	36%
Satisfied	24	59%	3,246	60%
Dissatisfied	1	2%	228	4%
Very Dissatisfied	1	2%	30	1%
Total	41	100%	5,436	100%

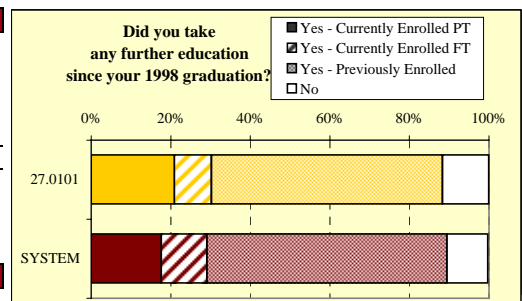
7. Would you select the same program again?	27.0101		SYSTEM	
Yes	35	85%	3,866	73%
No, because . . . (multiple response question)	6		1,420	
. . . not enough course variety offered	-	0%*	23	1%*
. . . skills acquired were not very useful	-	0%*	136	7%*
. . . courses were poorly taught	-	0%*	29	2%*
. . . program was too general	-	0%*	149	8%*
. . . courses were not practical	1	11%*	242	13%*
. . . interests have changed	2	22%*	356	20%*
. . . little or no career opportunities	4	44%*	511	28%*
. . . disagree with grading system	-	0%*	2	0%*
. . . disliked institution	-	0%*	6	0%*
. . . other	2	22%*	368	20%*

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



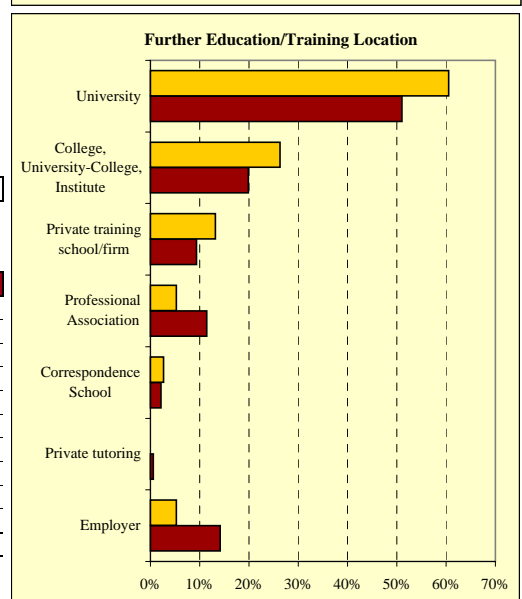
**FURTHER EDUCATION**

8. Took further education since 1996 graduation?	27.0101		SYSTEM	
Yes:	38	88%	4,885	90%
Not currently enrolled	25	58%	3,285	60%
Currently enrolled full-time	4	9%	628	12%
Currently enrolled part-time	9	21%	961	18%
No	5	12%	564	10%
Total	43	100%	5,449	100%



9. Further education/training location (multiple resp.):*	27.0101		SYSTEM	
University	23	61%*	2,494	51%*
College, University-College, Institute	10	26%*	972	20%*
Private training school/firm	5	13%*	457	9%*
Professional Association	2	5%*	557	11%*
Correspondence School	1	3%*	105	2%*
Private Tutoring	-	0%*	29	1%*
Employer	2	5%*	691	14%*
Other	-	0%*	163	3%*
Total Respondents	38		4,885	

\* Percent of respondents



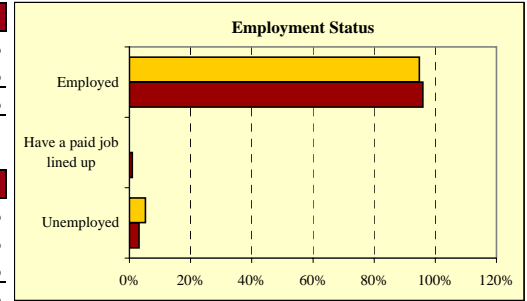
10. Main Reason for Further Education:	27.0101		SYSTEM	
Pursue another Bachelor degree	3	7%	315	6%
Pursue Masters studies	4	9%	566	10%
Pursue Doctoral studies	1	2%	138	3%
Career / job / employment related	24	56%	3,421	63%
Challenge myself intellectually	6	14%	446	8%
To please parents/family	-	0%	3	0%
Did not have a primary/main reason for enrolling	1	2%	13	0%
Required by employer	2	5%	173	3%
Other	2	5%	382	7%
Total	43	100%	5,457	100%

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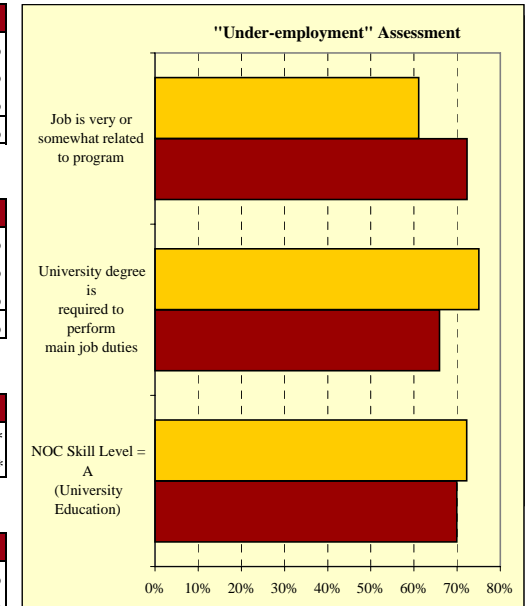
**EMPLOYMENT**

11. Labour Force Status:	27.0101	SYSTEM
In Labour Force (working or seeking work)	38 88%	4,952 91%
Not in Labour Force	5 12%	497 9%
Grand Total	43 100%	5,449 100%



12. Employment Status of those IN Labour Force:	27.0101	SYSTEM
Employed	36 95%	4,749 96%
Have a paid job lined up	- 0%	49 1%
Unemployed	2 5%	154 3%
Total Labour Force	38 100%	4,952 100%

13. Status of Graduates NOT in Labour Force:	27.0101	SYSTEM
Attending School FT	2 40%	225 45%
Attending School PT	- 0%	27 5%
Other	3 60%	245 49%
Total NOT in Labour Force	5 100%	497 100%



14. Employment Type:	27.0101	SYSTEM
Paid worker	32 89%	4,135 87%
Self-employed	1 3%	379 8%
Both a paid worker and self-employed	3 8%	235 5%
Total Employed	36 100%	4,749 100%

15. Job Characteristics:	27.0101	SYSTEM
I hold more than one job	5 14%*	706 15%*
My main job is full-time (>= 30 hours per week)	30 83%**	4,014 86%**

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

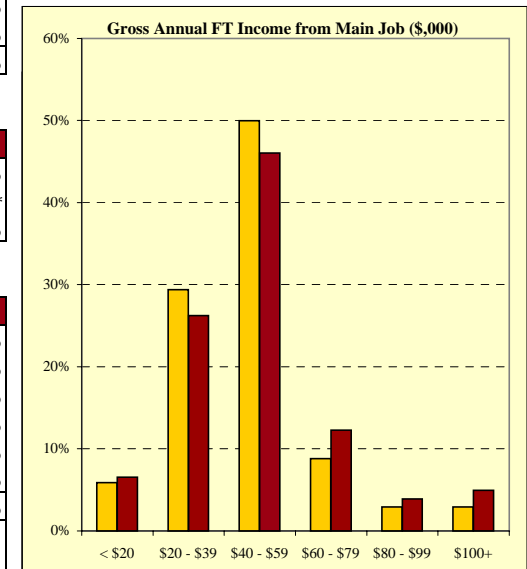
16. How related is your main job to your program?:	27.0101	SYSTEM
Very Related	14 40%	1,940 41%
Somewhat Related	8 23%	1,492 31%
Not Very Related	8 23%	601 13%
Not At All Related	5 14%	712 15%
Total	35 100%	4,745 100%

17. "Under-employment" Assessment:	27.0101	SYSTEM
Job is very or somewhat related to program	22 61%	3,432 72%
University degree is required to perform main job duties	27 75%*	3,000 66%*
NOC Skill Level = A (University Education)	26 72%	3,300 70%

\* of total valid responses

18. Gross Annual Income from Main Job:*	27.0101	SYSTEM
Less than \$20,000	2 6%	284 7%
\$20,000 to \$39,999	10 29%	1,138 26%
\$40,000 to \$59,999	17 50%	1,996 46%
\$60,000 to \$79,999	3 9%	533 12%
\$80,000 to \$99,999	1 3%	169 4%
\$100,000 and Above	1 3%	215 5%
Total	34 100%	4,335 100%
Median Annual Income (full-time)	\$43,925	\$45,680
Average Annual Income (full-time)	\$49,094	\$54,596

\* where data provided

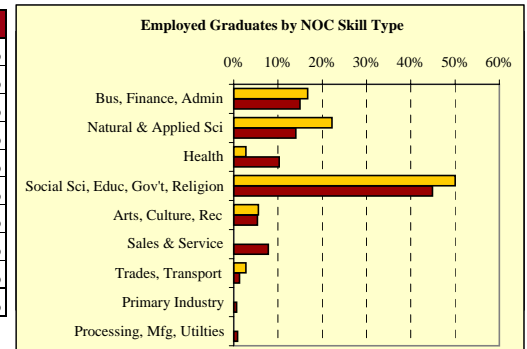


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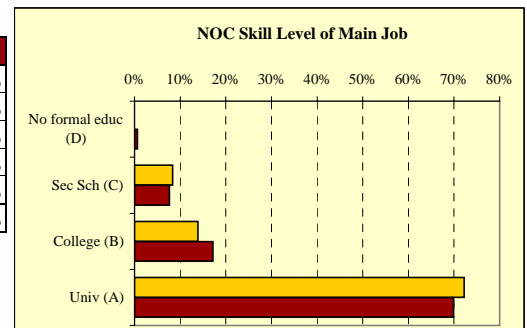
■ SYSTEM  
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**EMPLOYMENT, continued**

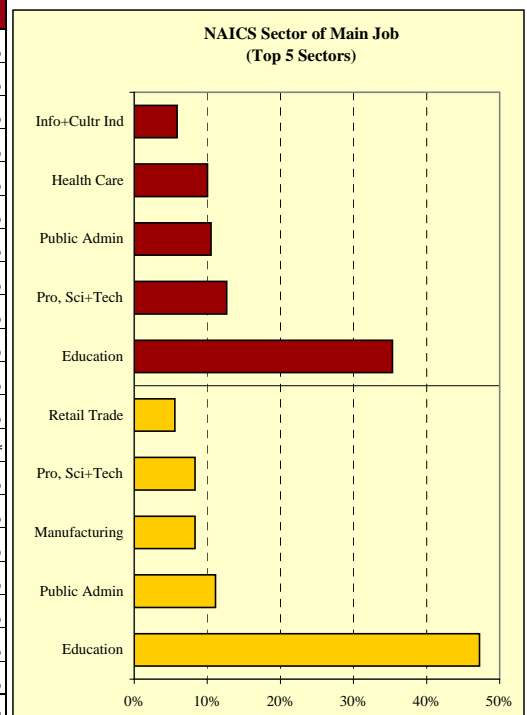
19. NOC Skill Type of Main Job:	27.0101	SYSTEM		
Business, Finance and Administration	6	17%	703	15%
Natural and Applied Sciences and Related	8	22%	659	14%
Health	1	3%	482	10%
Social Sciences, Educ., Gov't Services, Religion	18	50%	2,112	45%
Arts, Culture, Recreation and Sport	2	6%	252	5%
Sales and Service	-	0%	366	8%
Trades, Transport and Eqp. Operators and Related	1	3%	62	1%
Unique to the Primary Industry	-	0%	31	1%
Unique to Processing, Manufacturing and Utilities	-	0%	40	1%
Total	36	100%	4,707	100%



20. NOC Skill Level of Main Job:	27.0101	SYSTEM		
A. University education	26	72%	3,300	70%
B. College education/trade apprenticeship	5	14%	811	17%
C. Secondary school + job-specific training	3	8%	361	8%
D. No formal education	-	0%	29	1%
No Skill Level assigned (management)	2	6%	218	5%
Total	36	100%	4,719	100%



21. NAICS Sector of Main Job:	27.0101	SYSTEM		
Agriculture, Forestry, Fishing and Hunting	*	*	48	1%
Mining and Oil and Gas Extraction	*	*	17	0%
Utilities	*	*	20	0%
Construction	*	*	33	1%
Manufacturing	3	8%	271	6%
Wholesale Trade	*	*	46	1%
Retail Trade	2	6%	157	3%
Transportation and Warehousing	*	*	76	2%
Information and Cultural Industries	2	6%	275	6%
Finance and Insurance	*	*	231	5%
Real Estate and Rental and Leasing	*	*	31	1%
Professional, Scientific and Technical Services	3	8%	594	13%
Management of Companies and Enterprises	*	*	*	*
Admin., Support, Waste Mgmt., Remediation Svcs.	*	*	28	1%
Education Services	17	47%	1659	35%
Health Care and Social Assistance	2	6%	471	10%
Arts, Entertainment and Recreation	*	*	89	2%
Accommodation and Food services	*	*	61	1%
Other Service (except Public Administration)	*	*	97	2%
Public Administration	4	11%	494	11%
Total	36	100%	4698	100%



\*data not displayed where n < 2

**Detailed Summary of Survey Results**  
**All Institutions**  
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**EMPLOYMENT, continued**

**22a. Top 10 Full-time Occupations of 27.0101 Graduates:**

			27.0101	
NOC	Skill Level	Description	% Employed FT in this Occ.**	Median FT Salary
4141	A	Secondary School Teachers	25%	\$45,000
2171	A	Information Systems Analysts and Consultants	6%	\$105,000
4131	A	College & Other Voc Instructors	6%	\$42,600
2173	A	Software Engineers	6%	*
*				
*				
*				
*				
*				
*				

\*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

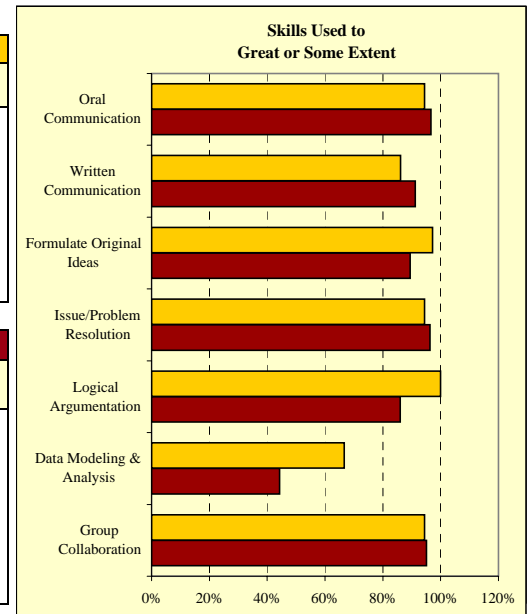
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\*\*percentages cited are of those for whom occupational data was provided, full-time and part-time

**SKILLS USED IN EMPLOYMENT**

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

	27.0101				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	78%	17%	6%	0%	36
Written Communication	69%	17%	14%	0%	36
Formulate Original Ideas	53%	44%	3%	0%	36
Issue/Problem Resolution	78%	17%	3%	3%	36
Logical Argumentation	60%	40%	0%	0%	35
Data Modeling & Analysis	42%	25%	22%	11%	36
Group Collaboration	69%	25%	6%	0%	36



**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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■ SYSTEM  
■ 27.0101

**EDUCATION FINANCING**

24. Education Funding Sources (2 sources per respondent):	27.0101		SYSTEM	
Personal Savings	6	14%*	898	16%*
Employment	27	63%*	3,323	61%*
Family/Friends	16	37%*	2,048	38%*
Bank Loans	1	2%*	75	1%*
Student Loans	10	23%*	2,051	38%*
Scholarships/Bursaries/Grants	9	21%*	661	12%*
Other	1	2%*	90	2%*
<b>Total Respondents</b>	<b>43</b>		<b>5,449</b>	

\* Percentage of respondents who identified this source

25. Financial Debt Incurred to Finance Univ. Education:	27.0101		SYSTEM	
Incurred any form of financial debt	18	43%*	2,471	47%*
Incurred government-sponsored student loan debt	13	31%*	2,106	40%*

\* Percentage of respondents who provided data

26. Financial Debt Amount:*	27.0101		SYSTEM	
< \$1,000	-	0%	12	0%
\$1,000 to \$4,999	3	17%	231	9%
\$5,000 to \$9,999	2	11%	448	18%
\$10,000 to \$14,999	5	28%	469	19%
\$15,000 to \$19,999	2	11%	291	12%
\$20,000 to \$29,999	4	22%	527	21%
\$30,000 to \$39,999	-	0%	298	12%
\$40,000 or More	2	11%	195	8%
<b>Total</b>	<b>18</b>	<b>100%</b>	<b>2,471</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$12,000</b>		<b>\$15,000</b>	

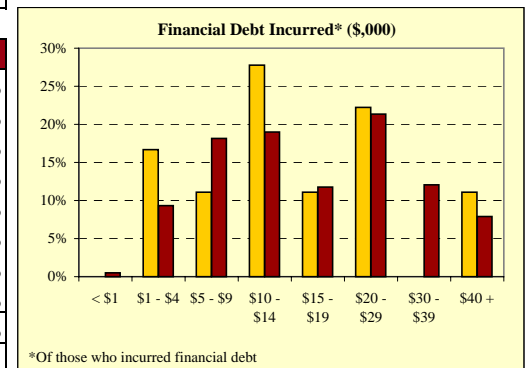
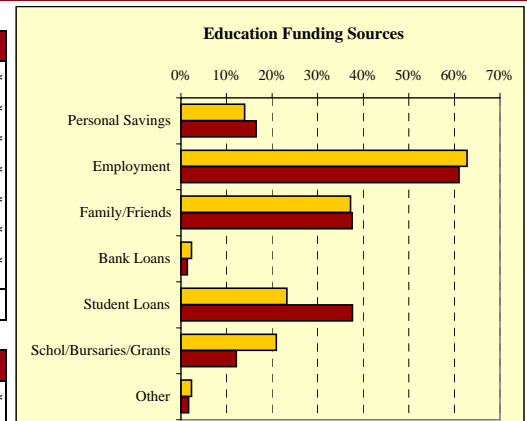
\*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	27.0101		SYSTEM	
< \$1,000	-	0%	10	0%
\$1,000 to \$4,999	3	23%	187	9%
\$5,000 to \$9,999	-	0%	399	19%
\$10,000 to \$14,999	5	38%	402	19%
\$15,000 to \$19,999	1	8%	321	15%
\$20,000 to \$29,999	2	15%	533	25%
\$30,000 to \$39,999	2	15%	192	9%
\$40,000 or More	-	0%	62	3%
<b>Total</b>	<b>13</b>	<b>100%</b>	<b>2,106</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$12,000</b>		<b>\$15,000</b>	

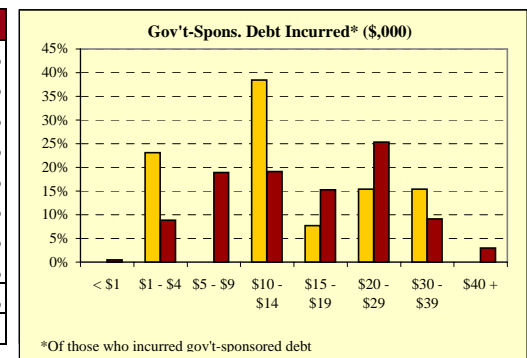
\*includes only cases where government-sponsored debt was incurred

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	27.0101		SYSTEM	
None - Loan repaid in full	5	45%	747	39%
< \$1,000	-	0%	34	2%
\$1,000 to \$4,999	1	9%	249	13%
\$5,000 to \$9,999	1	9%	296	15%
\$10,000 to \$14,999	2	18%	234	12%
\$15,000 to \$19,999	1	9%	136	7%
\$20,000 to \$29,999	1	9%	174	9%
\$30,000 to \$39,999	-	0%	39	2%
\$40,000 or More	-	0%	26	1%
<b>Total</b>	<b>11</b>	<b>100%</b>	<b>1,935</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$3,000</b>		<b>\$3,600</b>	

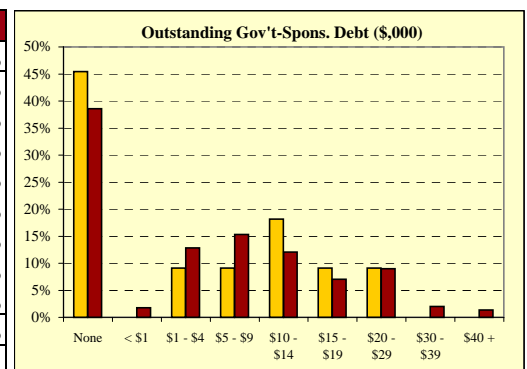
\*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided



\*Of those who incurred financial debt



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



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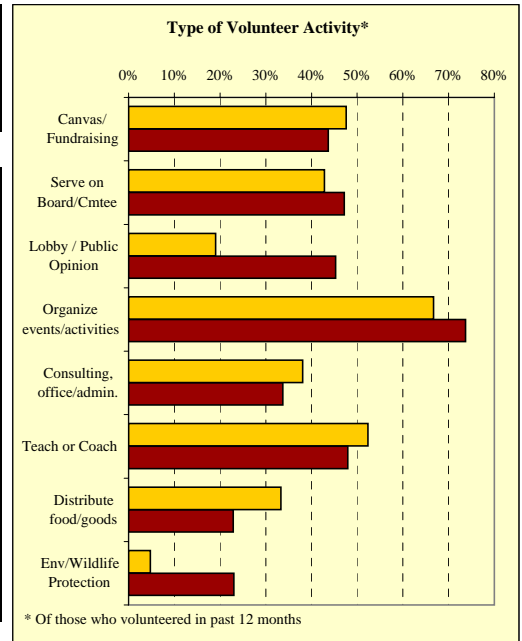
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**SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY**

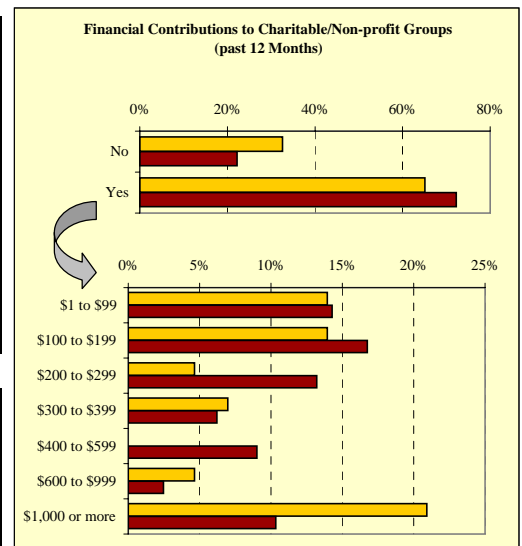
29.	In the past 12 months, have you acted as an unpaid volunteer?	27.0101	SYSTEM
	No	22 51%	2,237 41%
	Yes	21 49%	3,162 59%
	Volunteer Hours/Week (Median)	1	1

30.	In the past 12 months, as an unpaid volunteer for an organization did you...	27.0101	SYSTEM
	do any canvassing, campaigning or fundraising?	10 48%*	1,382 44%*
	serve as an unpaid member of a board or committee?	9 43%*	1,492 47%*
	provide information or help to educate, influence public opinion, or lobby others?	4 19%*	1,431 45%*
	help to organize/supervise activities/events for an organization?	14 67%*	2,331 74%*
	do any consulting, executive, office or administrative work?	8 38%*	1,067 34%*
	teach or coach for an organization?	11 52%*	1,517 48%*
	collect, serve or deliver food or other goods?	7 33%*	723 23%*
	engage in any activities aimed at protecting the environment or wildlife?	1 5%*	728 23%*

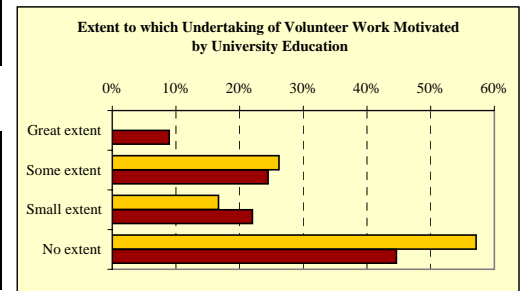
\*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31.	Financial contributions to charitable or non-profit groups in past 12 months	27.0101	SYSTEM
	\$0 (None)	14 33%	1,212 22%
	\$1 to \$99	6 14%	778 14%
	\$100 to \$199	6 14%	913 17%
	\$200 to \$299	2 5%	719 13%
	\$300 to \$399	3 7%	339 6%
	\$400 to \$599	- 0%	491 9%
	\$600 to \$999	2 5%	134 2%
	\$1,000 or more	9 21%	563 10%
	Median Annual Contribution	\$250	\$200



32.	Member or Participant in...	27.0101	SYSTEM
	Union/Professional Association (work-related)	26 60%	3,621 66%
	Political organization	- 0%	283 5%
	Cultural, educational or hobby organization	10 23%	1,776 33%
	Sports or recreation organization	19 44%	2,369 43%
	Religious-affiliated group	10 23%	1,020 19%
	School group, civic, or community association	6 14%	1,449 27%
	Other	3 7%	470 9%



33.	To what extent did your university education motivate you to undertake volunteer work?	27.0101	SYSTEM
	Great extent	- 0%*	474 9%*
	Some extent	11 26%*	1,298 24%*
	Small extent	7 17%*	1,168 22%*
	No extent	24 57%*	2,367 45%*

\*percentages are of those who thought question was applicable