

B.C. University Student Outcomes 2006 Survey of 2004 Baccalaureate Graduates

Detailed Summary of Survey Results

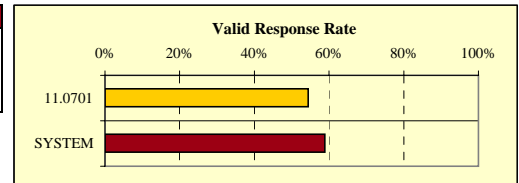
All Institutions

6 Digit CIP: 11.0701: Computer Science

SYSTEM
11.0701

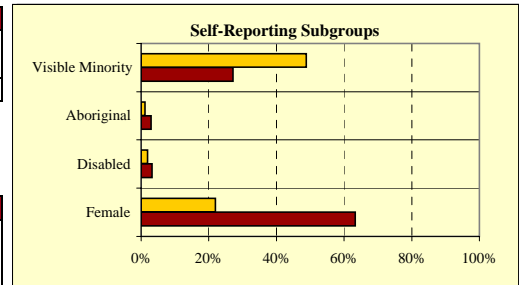
RESPONSE RATE

1. Survey Response Rate:	11.0701	SYSTEM
2004 Baccalaureate Graduates Survey Cohort	569	15,605
Net Frame	485	13,595
Survey Respondents and Valid Response Rate	264 54%	8,009 59%



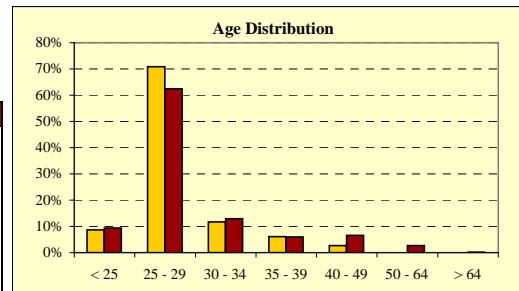
DEMOGRAPHIC INFORMATION

2. Gender:	11.0701	SYSTEM
Male	206 78%	2,941 37%
Female	58 22%	5,067 63%
Total	264 100%	8,008 100%

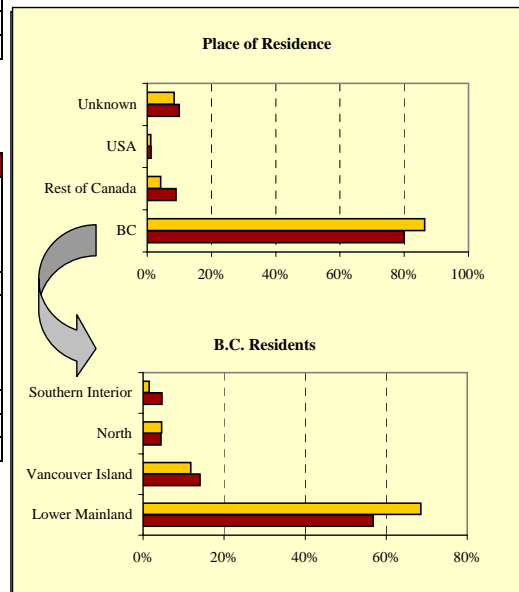


3. Self-Reporting Subgroups:	11.0701	SYSTEM
Disabled	5 2%	260 3%
Aboriginal	3 1%	232 3%
Visible Minority	129 49%	2,172 27%

4. Age (at time of survey):	11.0701	SYSTEM
< 25	23 9%	748 9%
25 to 29	187 71%	4,997 62%
30 to 34	31 12%	1,036 13%
35 to 39	16 6%	478 6%
40 to 49	7 3%	528 7%
50 to 64	- 0%	213 3%
> 64	- 0%	9 0%
Unknown	- 0%	- 0%
Total	264 100%	8,009 100%
Mean Age:	28.1	29.0



5. Place of Residence (at time of survey):	11.0701	SYSTEM
BC - Lower Mainland	181 69%	4,549 57%
BC - Vancouver Island	31 12%	1,124 14%
BC - North	12 5%	353 4%
BC - Southern Interior	4 2%	376 5%
BC Subtotal	228 86%	6,402 80%
Canada - Alberta	1 0%	310 4%
Canada - Ontario	6 2%	240 3%
Canada - Other	4 2%	164 2%
U.S.A.	3 1%	94 1%
Non-BC Subtotal	14 5%	808 10%
Unknown	22 8%	799 10%
Total	264 100%	8,009 100%



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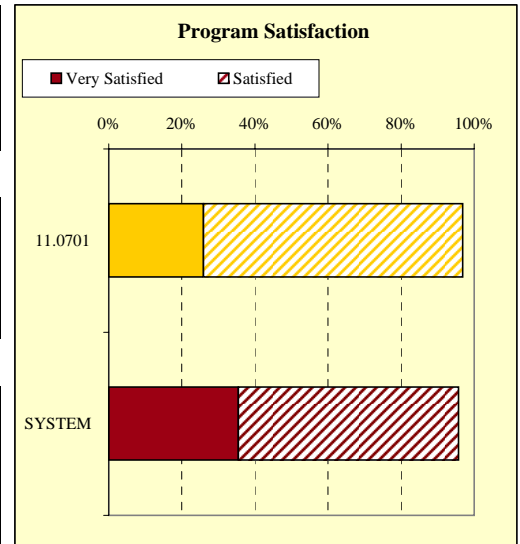
■ SYSTEM
■ 11.0701

EDUCATION EVALUATION AND SKILL DEVELOPMENT

6. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	11.0701		SYSTEM	
Very Useful	108	47%	2,934	44%
Somewhat Useful	102	45%	2,942	44%
Not Very Useful	13	6%	565	8%
Not at All Useful	6	3%	247	4%

7. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Day-to-day Life:	11.0701		SYSTEM	
Very Useful	46	20%	2,013	30%
Somewhat Useful	119	52%	3,611	54%
Not Very Useful	54	24%	890	13%
Not at All Useful	10	4%	179	3%

8. Program Satisfaction:	11.0701		SYSTEM	
Very Satisfied	68	26%	2,832	35%
Satisfied	186	71%	4,816	60%
Dissatisfied	6	2%	288	4%
Very Dissatisfied	2	1%	51	1%
Total	262	100%	7,987	100%



9. Would you select the same program again?	11.0701		SYSTEM	
Yes	201	81%	6,053	79%
No, because . . . (multiple response question)	48		1,565	
. . . interests have changed	24	30%*	468	17%*
. . . courses were not practical	18	23%*	597	22%*
. . . little or no career opportunities	9	11%*	505	18%*
. . . other	29	36%*	1,197	43%*

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

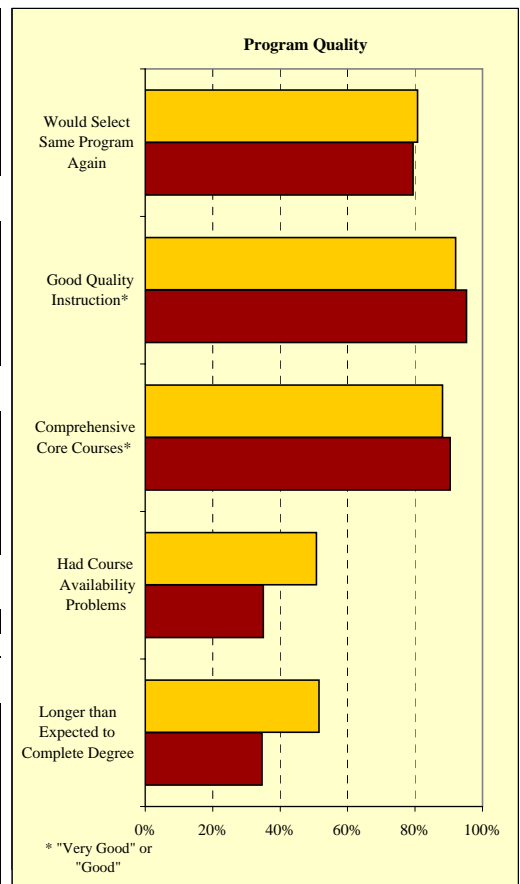
10. Quality of Instruction:	11.0701		SYSTEM	
Very Good	49	19%	2,490	31%
Good	194	73%	5,096	64%
Poor	18	7%	348	4%
Very Poor	3	1%	28	0%
Total	264	100%	7,962	100%

11. Comprehensiveness of Core Courses:	11.0701		SYSTEM	
Very Good	63	24%	2,045	26%
Good	168	64%	5,069	64%
Poor	30	11%	704	9%
Very Poor	1	0%	53	1%
Total	262	100%	7,871	100%

12. Course Availability:	11.0701		SYSTEM	
Encountered course availability problems	133	51%	2,753	35%

13. Degree Completion:	11.0701		SYSTEM	
Took longer than expected to complete degree	136	52%	2,770	35%
Top 4 reasons for prolonged degree completion (multiple response question):				
Personal or family reasons	10	4%*	401	8%*
Financial reasons / work	12	5%*	468	9%*
Change of major/program/specialization	15	6%*	403	8%*
Involvement in co-op program extended completion time	53	22%*	451	9%*
Other reason(s)	150	63%*	3,253	65%*

* Percent of total responses, among those who took longer than expected to complete degree



Detailed Summary of Survey Results

All Institutions

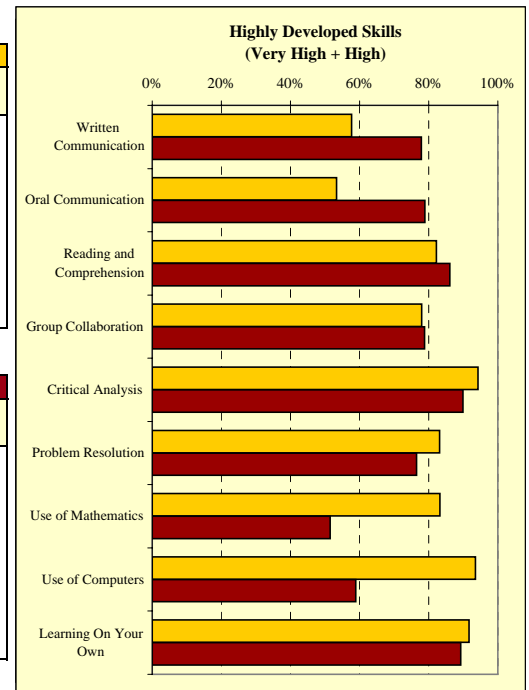
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SKILL DEVELOPMENT

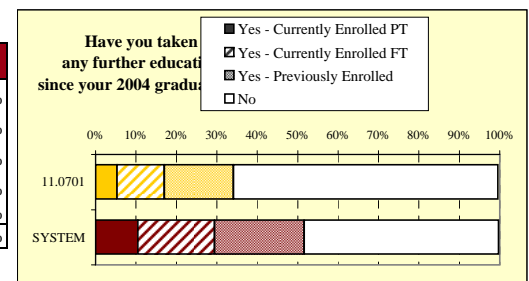
14a. To what degree did program help you develop the following skills?	11.0701					# Resp.
	Very High	High	Low	Very Low		
	Written Communication	11%	47%	36%	7%	
Oral Communication	8%	45%	42%	5%	242	
Reading and Comprehension	27%	55%	15%	2%	253	
Group Collaboration	26%	52%	21%	1%	259	
Critical Analysis	44%	51%	4%	2%	262	
Problem Resolution	32%	51%	15%	2%	261	
Use of Mathematics Appropriate to Field	44%	40%	15%	2%	263	
Use of Computers Appropriate to Field	62%	31%	5%	1%	261	
Learning On Your Own	52%	40%	7%	1%	264	

14b. To what degree did program help you develop the following skills?	SYSTEM					# Resp.
	Very High	High	Low	Very Low		
	Written Communication	24%	54%	19%	3%	
Oral Communication	23%	56%	19%	2%	7,662	
Reading and Comprehension	31%	55%	12%	2%	7,627	
Group Collaboration	32%	46%	18%	3%	7,670	
Critical Analysis	41%	49%	9%	1%	7,885	
Problem Resolution	21%	55%	21%	2%	7,577	
Use of Mathematics Appropriate to Field	17%	35%	35%	14%	5,873	
Use of Computers Appropriate to Field	20%	39%	31%	10%	6,615	
Learning On Your Own	38%	52%	9%	2%	7,713	

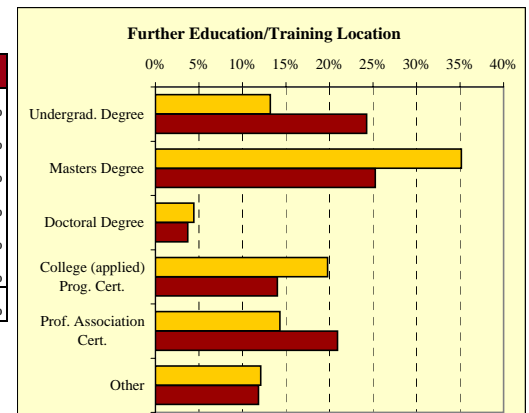


FURTHER EDUCATION

15. Took further education since 2004 graduation	11.0701	SYSTEM		
Yes:	91	34%	4,158	52%
Not currently enrolled	45	17%	1,779	22%
Currently enrolled full-time	31	12%	1,520	19%
Currently enrolled part-time	14	5%	838	10%
No	173	66%	3,851	48%
Total	264	100%	8,009	100%



16. Type of Formal Post-Secondary Education	11.0701	SYSTEM		
Undergraduate Degree	12	13%	995	24%
Masters Degree	32	35%	1,036	25%
Doctoral Degree	4	4%	152	4%
College (applied) Program Certification	18	20%	575	14%
Professional Association Certification	13	14%	858	21%
Other	11	12%	485	12%
Total Respondents	90	99%	4,101	100%



Detailed Summary of Survey Results

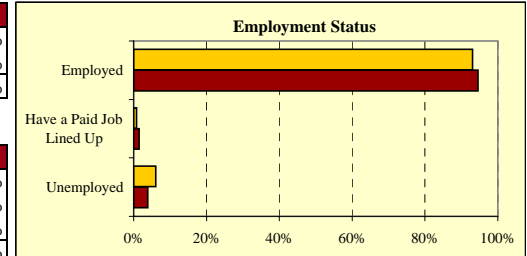
All Institutions

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SYSTEM
11.0701

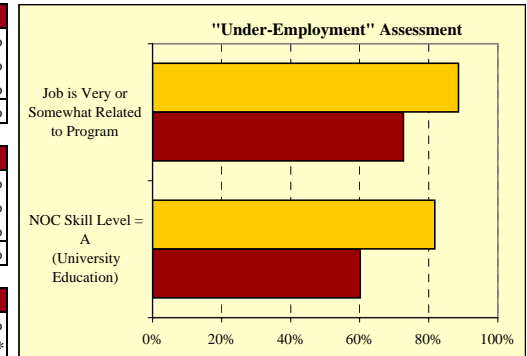
EMPLOYMENT

17. Labour Force Status:	11.0701	SYSTEM
In Labour Force (working or seeking work)	246 93%	7,092 89%
Not in Labour Force	18 7%	905 11%
Grand Total	264 100%	7,997 100%



18. Employment Status of those IN Labour Force:	11.0701	SYSTEM
Employed	229 93%	6,707 95%
Have a Paid Job Lined Up	2 1%	109 2%
Unemployed	15 6%	276 4%
Total Labour Force	246 100%	7,092 100%

19. Status of Graduates NOT in Labour Force:	11.0701	SYSTEM
Attending School FT	11 61%	677 75%
Attending School PT	- 0%	32 4%
Other	7 39%	196 22%
Total NOT in Labour Force	18 100%	905 100%

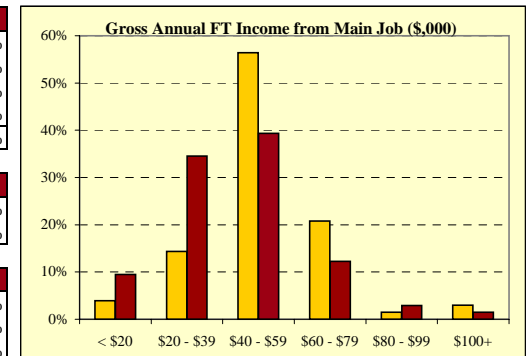


20. Employment Type:	11.0701	SYSTEM
Paid worker	217 95%	6,048 90%
Self-employed	7 3%	356 5%
Both a paid worker and self-employed	5 2%	300 4%
Total Employed	229 100%	6,707 100%

21. Job Characteristics:	11.0701	SYSTEM
I hold more than one job	19 8%*	1,333 20%
My main job is full-time (>= 30 hours per week)	214 94%**	5,464 84%*

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

22. How related is your main job to your program?:	11.0701	SYSTEM
Very Related	131 57%	3,006 45%
Somewhat Related	72 31%	1,865 28%
Not Very Related	14 6%	810 12%
Not At All Related	12 5%	1,020 15%
Total	229 100%	6,701 100%



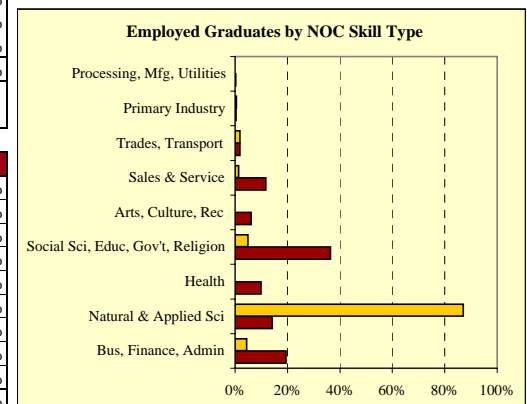
23. "Under-employment" Assessment:	11.0701	SYSTEM
Job is very or somewhat related to program	203 89%	4,871 73%
NOC Skill Level = A (University Education)	184 82%	3,972 60%

* of total valid responses

24. Gross Annual Income from Main Job:*	11.0701	SYSTEM
Less than \$20,000	8 4%	552 9%
\$20,000 to \$39,999	29 14%	2,009 35%
\$40,000 to \$59,999	114 56%	2,290 39%
\$60,000 to \$79,999	42 21%	714 12%
\$80,000 to \$99,999	3 1%	171 3%
\$100,000 and Above	6 3%	85 1%
Total	202 100%	5,821 100%
Median Annual Income (full-time)	\$50,000	\$43,000
Average Annual Income (full-time)	\$51,314	\$46,444

* where data provided

25. NOC Skill Type of Main Job:	11.0701	SYSTEM
Business, Finance and Administration	10 4%	1,274 19%
Natural and Applied Sciences and Related	196 87%	927 14%
Health	- 0%	650 10%
Social Sciences, Educ., Gov't Services, Religion	11 5%	2,389 36%
Arts, Culture, Recreation and Sport	- 0%	404 6%
Sales and Service	3 1%	772 12%
Trades, Transport and Equip. Operators and Related	4 2%	117 2%
Unique to the Primary Industry	1 0%	21 0%
Unique to Processing, Manufacturing and Utilities	- 0%	18 0%
Total	225 100%	6,572 100%



Detailed Summary of Survey Results

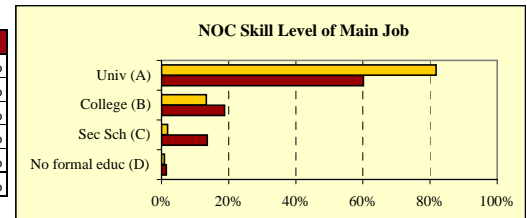
All Institutions

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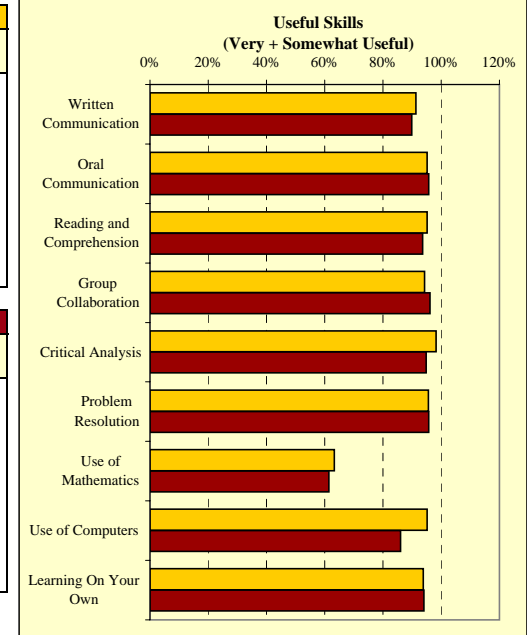
SYSTEM
11.0701

EMPLOYMENT, continued

26. NOC Skill Level of Main Job:	11.0701		SYSTEM	
A. University education	184	82%	3,972	60%
B. College education/trade apprenticeship	30	13%	1,240	19%
C. Secondary school + job-specific training	4	2%	899	14%
D. No formal education	2	1%	92	1%
No skill level assigned (management)	5	2%	397	6%
Total	225	100%	6,600	100%



27a. How useful are the following skills and abilities in doing your main job?	11.0701					#
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful		Resp.
Written Communication	56%	35%	6%	3%		229
Oral Communication	64%	31%	3%	1%		229
Reading and Comprehension	64%	31%	3%	1%		229
Group Collaboration	62%	32%	5%	0%		229
Critical Analysis	77%	21%	1%	1%		229
Problem Resolution	72%	24%	4%	0%		229
Use of Mathematics Appropriate to Field	23%	41%	27%	10%		229
Use of Computers Appropriate to Field	86%	10%	3%	2%		229
Learning On Your Own	75%	19%	4%	2%		229



27b. How useful are the following skills and abilities in doing your main job?	SYSTEM					#
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful		Resp.
Written Communication	67%	23%	6%	4%		6,696
Oral Communication	77%	19%	3%	1%		6,696
Reading and Comprehension	70%	23%	4%	2%		6,696
Group Collaboration	79%	17%	3%	1%		6,699
Critical Analysis	74%	20%	3%	2%		6,698
Problem Resolution	75%	20%	3%	1%		6,693
Use of Mathematics Appropriate to Field	25%	36%	22%	17%		6,675
Use of Computers Appropriate to Field	56%	30%	8%	6%		6,688
Learning On Your Own	68%	26%	4%	2%		6,690

28a. Top 10 Full-time Occupations of 11.0701 Graduates:				11.0701	
NOC	NOC	Skill Level Description		% Employed FT in this Occ.**	Median FT Salary
2174	A	Computer Programmers/Interactive Media Developers		38%	\$50,000
2173	A	Software Engineers		19%	\$53,000
2171	A	Information Systems Analysts and Consultants		11%	\$53,250
2282	B	User Support Technicians		4%	\$40,000
2172	A	Database Analysts and Data Administrators		3%	\$52,300
2283	B	Systems Testing Technicians		3%	\$42,500
2281	B	Computer and Network Operators and Web Technicians		2%	\$44,850
4122	A	Post-Sec Teaching & Research Asstnts		1%	\$21,000
2133	A	Electrical & Electronics Engineers		1%	\$75,000
0713	N/A	Transportation Managers		1%	\$55,000

*data not displayed where n < 2

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

28b. 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		8%	\$42,000
4142	A	Elem & Kindergarten Teacher		7%	\$40,000
3152	A	Registered Nurses		5%	\$56,330
1111	A	Financial Auditors & Acnts		3%	\$42,500
2174	A	Computer Programmers/Interactive Media Developers		2%	\$50,000
5124	A	Occs in Public Relations & Comm		2%	\$42,000
4112	A	Lawyers & Quebec Notaries		2%	\$70,000
1232	B	Loan Officers		1%	\$40,000
2173	A	Software Engineers		1%	\$56,000
4152	A	Social Workers		1%	\$48,000

*data not displayed where n < 2

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

Detailed Summary of Survey Results

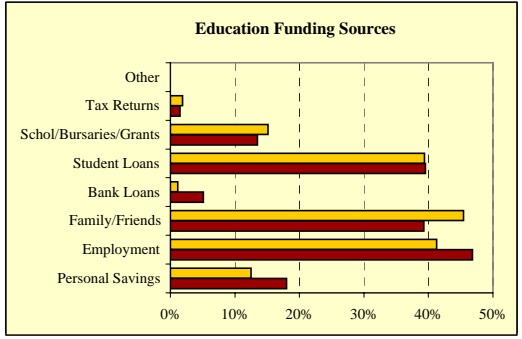
All Institutions

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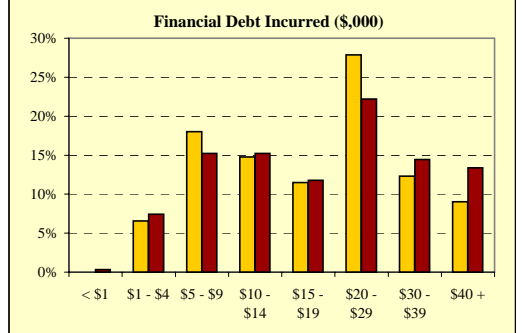
EDUCATION FINANCING

29. Education Funding Sources (2 sources per respondent):	11.0701	SYSTEM
Personal Savings	33 13%*	1,444 18%*
Employment	109 41%*	3,752 47%*
Family/Friends	120 45%*	3,146 39%*
Bank Loans	3 1%*	409 5%*
Student Loans	104 39%*	3,168 40%*
Scholarships/Bursaries/Grants	40 15%*	1,082 14%*
Tax Returns	5 2%*	120 1%*
Other	- 0%*	- 0%*
Total Respondents	264	8,009

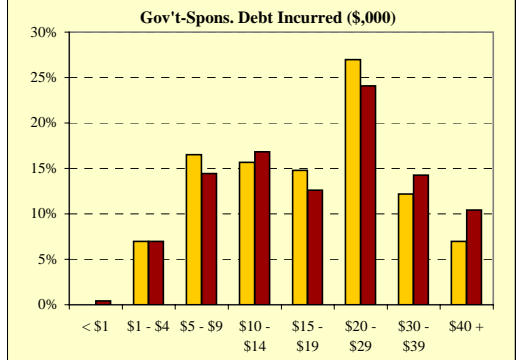


30. Financial Debt Incurred to Finance Univ. Education:	11.0701	SYSTEM
Incurred any form of financial debt	122 46%*	3,818 48%
Incurred government-sponsored student loan debt	115 44%*	3,190 40%

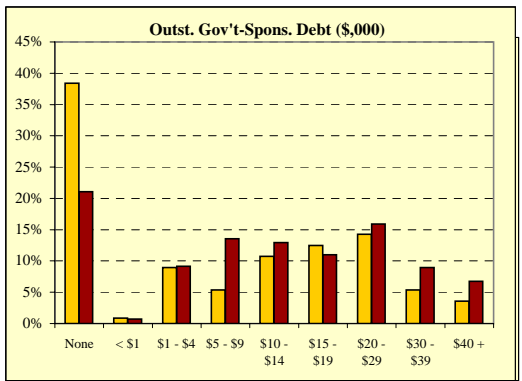
31. Financial Debt Amount:*	11.0701	SYSTEM
< \$1,000	- 0%	12 0%
\$1,000 to \$4,999	8 7%	284 7%
\$5,000 to \$9,999	22 18%	582 15%
\$10,000 to \$14,999	18 15%	581 15%
\$15,000 to \$19,999	14 11%	449 12%
\$20,000 to \$29,999	34 28%	847 22%
\$30,000 to \$39,999	15 12%	552 14%
\$40,000 or More	11 9%	511 13%
Total	122 100%	3,818 100%
Median Financial Debt	\$18,000	\$20,000



32. Government-Sponsored Student Loan Debt Amount:*	11.0701	SYSTEM
< \$1,000	- 0%	14 0%
\$1,000 to \$4,999	8 7%	222 7%
\$5,000 to \$9,999	19 17%	460 14%
\$10,000 to \$14,999	18 16%	537 17%
\$15,000 to \$19,999	17 15%	402 13%
\$20,000 to \$29,999	31 27%	768 24%
\$30,000 to \$39,999	14 12%	455 14%
\$40,000 or More	8 7%	332 10%
Total	115 100%	3,190 100%
Median Gov't-Sponsored Student Loan Debt	\$18,000	\$18,000



33. Outstanding Gov't-Sponsored Loan Debt Amount:*	11.0701	SYSTEM
None - Loan repaid in full	43 38%	644 21%
< \$1,000	1 1%	22 1%
\$1,000 to \$4,999	10 9%	280 9%
\$5,000 to \$9,999	6 5%	414 14%
\$10,000 to \$14,999	12 11%	395 13%
\$15,000 to \$19,999	14 13%	336 11%
\$20,000 to \$29,999	16 14%	487 16%
\$30,000 to \$39,999	6 5%	273 9%
\$40,000 or More	4 4%	207 7%
Total	112 100%	3,058 100%
Median Gov't-Sponsored Loan Debt Outstanding	\$5,500	\$11,000



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

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SYSTEM
11.0701

SPECIAL SECTION ON INTERNATIONAL EDUCATION

42. In your employment since graduation, how important has it been for you to understand the following international skills/issues?

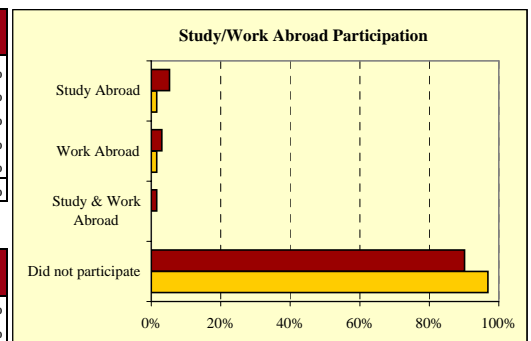
International Skill	11.0701					SYSTEM						
	Very Important	Important	Not Very Important	Not at all Important	Not Applicable	Total Resp.	Very Important	Important	Not Very Important	Not at all Important	Not Applicable	Total Resp.
Speak a second language	9%	23%	30%	35%	3%	264	20%	22%	28%	28%	2%	7966
International Business Practices	11%	28%	34%	27%	0%	256	13%	27%	32%	28%	0%	7817
Global Issues	8%	27%	35%	30%	0%	257	26%	38%	22%	14%	0%	7835
Interconnections between local and global issues	11%	35%	30%	24%	0%	256	29%	41%	18%	12%	0%	7835
Knowledge and traditions of other countries and cultures	11%	37%	29%	23%	0%	256	40%	35%	16%	10%	0%	7840

43. How helpful was the institution in preparing you with the following international skills?

International Skill	11.0701					SYSTEM						
	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	Not Applicable	Total Resp.	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	Not Applicable	Total Resp.
Speak a second language	5%	15%	20%	13%	47%	263	5%	12%	18%	18%	48%	7985
International Business Practices	3%	22%	39%	36%	0%	255	6%	23%	34%	37%	0%	7838
Global Issues	8%	32%	34%	26%	0%	257	20%	47%	20%	13%	0%	7946
Interconnections between local and global issues	4%	32%	38%	26%	0%	256	19%	47%	22%	12%	0%	7930
Knowledge and traditions of other countries and cultures	8%	31%	38%	23%	0%	256	20%	46%	22%	11%	0%	7942

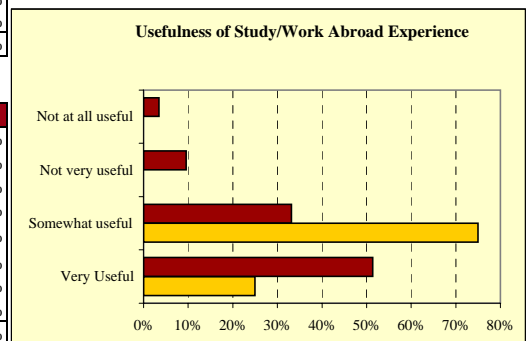
44. Did you study or work abroad during your program?

	11.0701	SYSTEM
Yes:		
Study Abroad	8	3%
Work Abroad	4	2%
Study and work abroad	4	2%
No	251	97%
Total	259	100%



45. Usefulness of study or work abroad experiences to current job:*

	11.0701	SYSTEM
Very Useful	2	25%
Somewhat useful	6	75%
Not very useful	-	0%
Not at all useful	-	0%
Total	8	100%



46. Reasons why you did not study or work abroad:

	11.0701	SYSTEM
Not aware these opportunities exist	24	10%
Financial reasons	23	9%
Extended degree completion time	20	8%
Personal reasons (i.e. employment, family)	24	10%
No opportunities/Limited opportunities	30	12%
Not interested/ relevant/ required/ attractive	75	31%
Conflicts with schooling (course load too heavy)	37	15%
Other	11	5%
Total	244	100%