

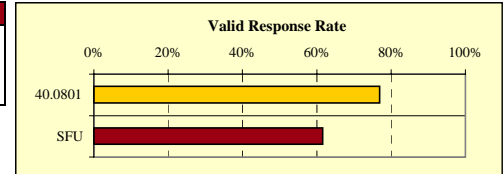
B.C. University Student Outcomes 2003 Survey of 1998 Baccalaureate Graduates

Detailed Summary of Survey Results
Simon Fraser University
6 Digit CIP: 40.0801: Physics, General

■ SFU
■ 40.0801

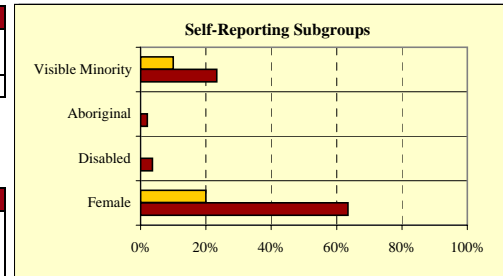
RESPONSE RATE

1. Survey Response Rate:	40.0801	SFU		
1998 Baccalaureate Graduates Survey Cohort	13		2,655	
Net Frame	13		2,406	
Survey Respondents and Valid Response Rate	10	77%	1,482	62%



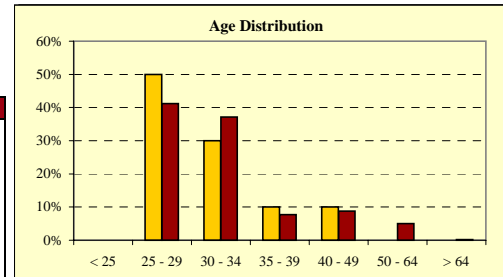
DEMOGRAPHIC INFORMATION

2. Gender:	40.0801	SFU		
Male	8	80%	542	37%
Female	2	20%	940	63%
Total	10	100%	1,482	100%

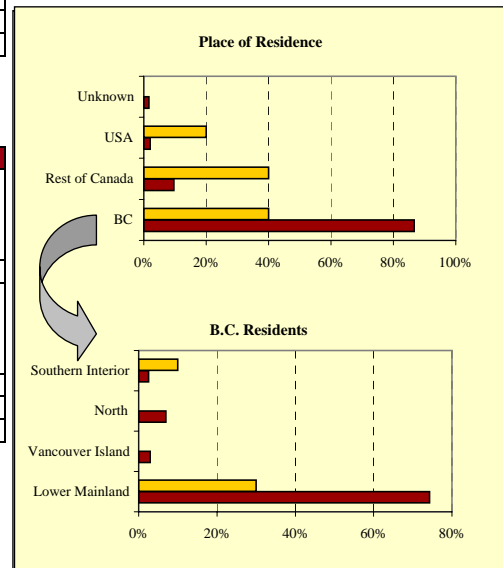


3. Self-Reporting Subgroups:	40.0801	SFU		
Disabled	-	0%	54	4%
Aboriginal	-	0%	30	2%
Visible Minority	1	10%	346	23%

4. Age (at time of survey):	40.0801	SFU		
< 25	-	0%	-	0%
25 to 29	5	50%	610	41%
30 to 34	3	30%	550	37%
35 to 39	1	10%	115	8%
40 to 49	1	10%	130	9%
50 to 64	-	0%	74	5%
> 64	-	0%	3	0%
Unknown	-	0%	-	0%
Total	10	100%	1,482	100%
Mean Age:	30.9		32.8	

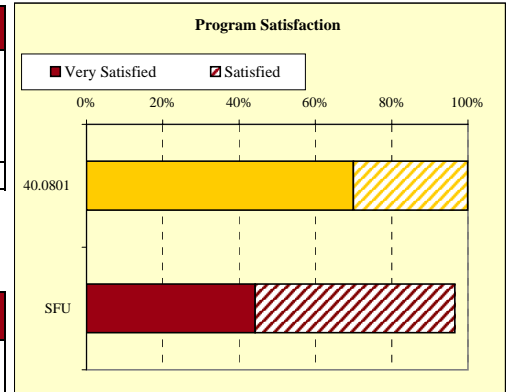


5. Place of Residence (at time of survey):	40.0801	SFU		
BC - Lower Mainland	3	30%	1,101	74%
BC - Vancouver Island	-	0%	43	3%
BC - North	-	0%	103	7%
BC - Southern Interior	1	10%	37	2%
BC Subtotal	4	40%	1,284	87%
Canada - Alberta	-	0%	57	4%
Canada - Ontario	3	30%	56	4%
Canada - Other	1	10%	30	2%
U.S.A.	2	20%	31	2%
Non-BC Subtotal	6	60%	174	12%
Unknown	-	0%	24	2%
Total	10	100%	1,482	100%

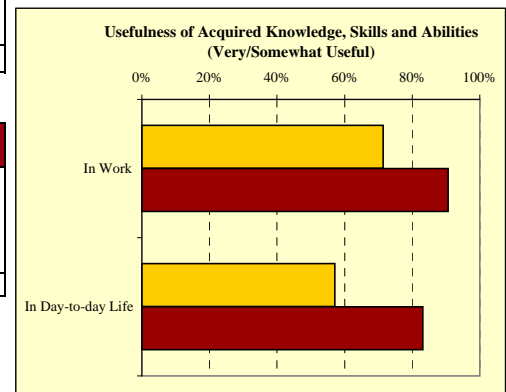


EDUCATION EVALUATION

8. Program Satisfaction:	40.0801	SFU		
Very Satisfied	7	70%	653	44%
Satisfied	3	30%	776	53%
Dissatisfied	-	0%	42	3%
Very Dissatisfied	-	0%	7	0%
Total	10	100%	1,478	100%

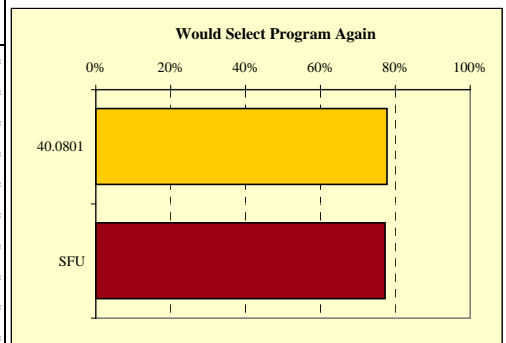


6. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Work:	40.0801	SFU		
Very Useful	3	43%	582	45%
Somewhat Useful	2	29%	595	46%
Not Very Useful	2	29%	92	7%
Not at All Useful	-	0%	30	2%
Total	7	100%	1,299	100%



7. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Day-to-day Life:	40.0801	SFU		
Very Useful	1	14%	348	27%
Somewhat Useful	3	43%	730	56%
Not Very Useful	3	43%	200	15%
Not at All Useful	-	0%	18	1%
Total	7	100%	1,296	100%

9. Would you select the same program again?	40.0801	SFU		
Yes	7	78%	1,110	77%
No, because . . . (multiple response question)	2		326	
. . . interests have changed	-	0%*	94	23%*
. . . courses were not practical	-	0%*	90	22%*
. . . little or no career opportunities	1	50%*	106	26%*
. . . not enough course variety	-	0%*	7	2%*
. . . skills acquired were not very useful	-	0%*	9	2%*
. . . courses were poorly taught	-	0%*	5	1%*
. . . program was too general	-	0%*	49	12%*
. . . did not agree with grading system	-	0%*	1	0%*
. . . did not like institution	-	0%*	2	0%*
. . . other	1	50%*	52	13%*



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

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Simon Fraser University
6 Digit CIP: 40.0801: Physics, General

■ SFU
■ 40.0801

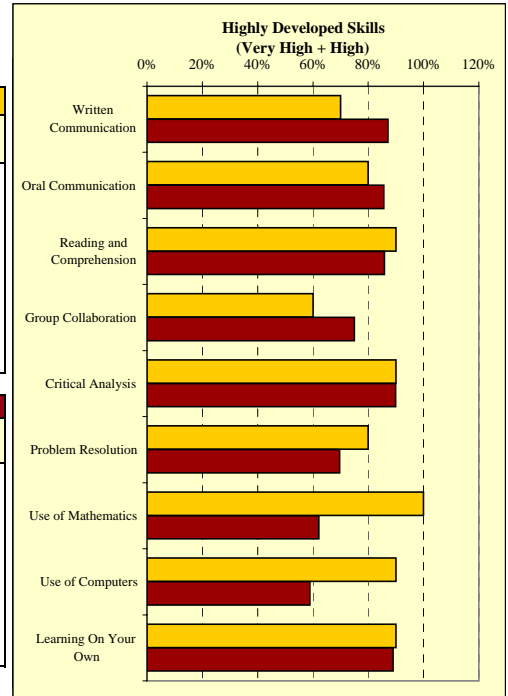
SKILL DEVELOPMENT

14a.

To what degree did university help you develop the following skills?	40.0801				# Resp.
	Very High	High	Low	Very Low	
Written Communication	20%	50%	20%	10%	10
Oral Communication	40%	40%	10%	10%	10
Reading and Comprehension	60%	30%	0%	10%	10
Group Collaboration	30%	30%	10%	30%	10
Critical Analysis	90%	0%	0%	10%	10
Problem Resolution	50%	30%	10%	10%	10
Use of Mathematics Appropriate to Field	80%	20%	0%	0%	10
Use of Computers Appropriate to Field	60%	30%	10%	0%	10
Learning On Your Own	60%	30%	0%	10%	10

14b.

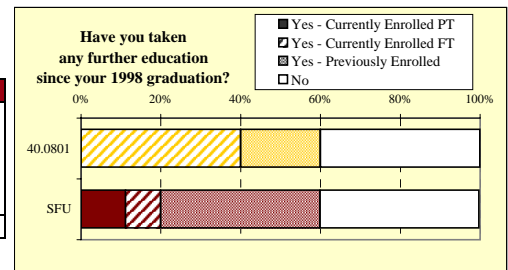
To what degree did university help you develop the following skills?	SFU				# Resp.
	Very High	High	Low	Very Low	
Written Communication	40%	47%	11%	2%	1,452
Oral Communication	32%	54%	12%	2%	1,463
Reading and Comprehension	42%	44%	12%	2%	1,449
Group Collaboration	29%	46%	21%	4%	1,453
Critical Analysis	50%	40%	8%	2%	1,472
Problem Resolution	20%	50%	26%	4%	1,438
Use of Mathematics Appropriate to Field	26%	36%	23%	14%	1,083
Use of Computers Appropriate to Field	23%	36%	29%	13%	1,250
Learning On Your Own	45%	44%	9%	2%	1,455



FURTHER EDUCATION

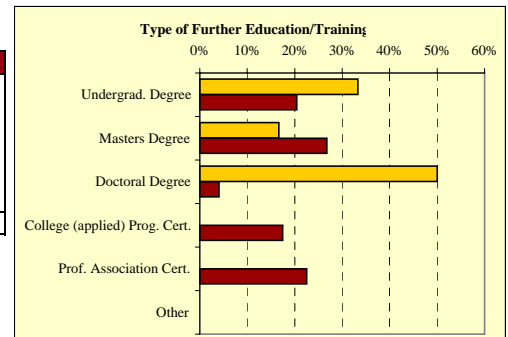
15.

Took further formal education since 1998 graduation	40.0801	SFU
Yes:		
Not currently enrolled	2 60%	592 40%
Currently enrolled full-time	4 40%	131 9%
Currently enrolled part-time	- 0%	165 11%
No	4 40%	590 40%
Total	10 100%	1,482 100%



16.

Type of Formal Post-Secondary Education	40.0801	SFU
Undergraduate Degree	2 33%	182 20%
Masters Degree	1 17%	239 27%
Doctoral Degree	3 50%	36 4%
College (applied) Program Certification	- 0%	156 17%
Professional Association Certification	- 0%	201 23%
Other	- 0%	- 0%
Total Respondents	6 100%	892 100%

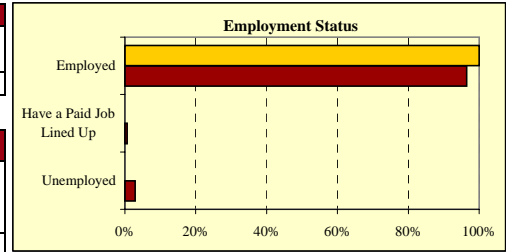


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■ SFU
■ 40.0801

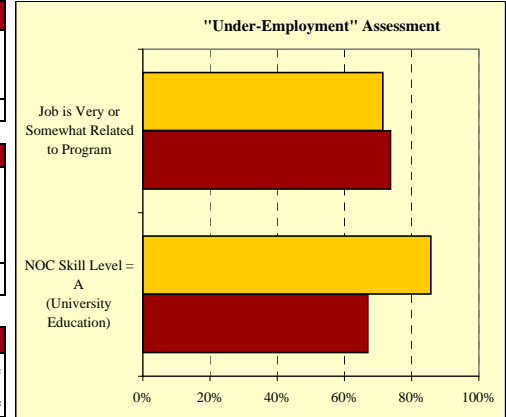
EMPLOYMENT

17. Labour Force Status:	40.0801	SFU		
In Labour Force (working or seeking work)	7	70%	1,348	91%
Not in Labour Force	3	30%	132	9%
Grand Total	10	100%	1,480	100%



18. Employment Status of those IN Labour Force:	40.0801	SFU		
Employed	7	100%	1,301	97%
Have a Paid Job Lined Up	-	0%	8	1%
Unemployed	-	0%	39	3%
Total Labour Force	7	100%	1,348	100%

19. Status of Graduates NOT in Labour Force:	40.0801	SFU		
Attending School FT	2	67%	42	32%
Attending School PT	-	0%	4	3%
Other	1	33%	86	65%
Total NOT in Labour Force	3	100%	132	100%

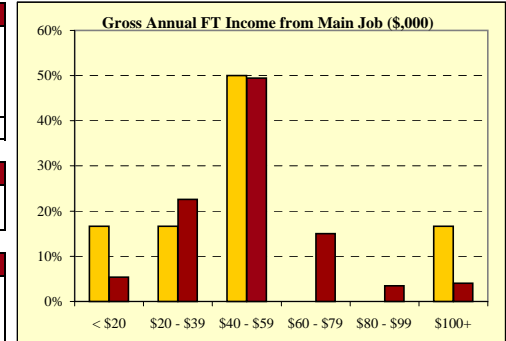


20. Employment Type:	40.0801	SFU		
Paid worker	7	100%	1,158	89%
Self-employed	-	0%	83	6%
Both a paid worker and self-employed	-	0%	60	5%
Total Employed	7	100%	1,301	100%

21. Job Characteristics:	40.0801	SFU		
I hold more than one job	-	0%*	184	14%*
My main job is full-time (>= 30 hours per week)	6	86%**	1,108	87%**

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

22. How related is your main job to your program?	40.0801	SFU		
Very Related	4	57%	539	41%
Somewhat Related	1	14%	420	32%
Not Very Related	1	14%	177	14%
Not At All Related	1	14%	165	13%
Total	7	100%	1,301	100%

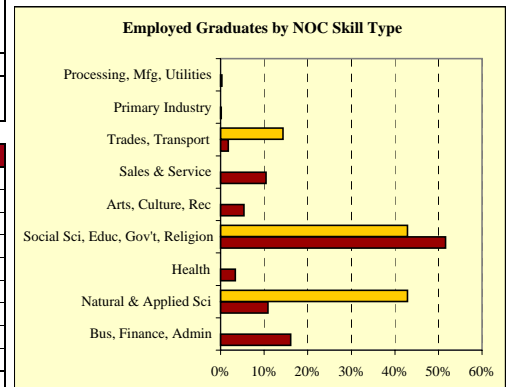


23. "Under-employment" Assessment:	40.0801	SFU		
Job is very or somewhat related to program	5	71%	959	74%
NOC Skill Level = A (University Education)	6	86%	865	67%

* of total valid responses

24. Gross Annual Income from Main Job:*	40.0801	SFU		
Less than \$20,000	1	17%	63	5%
\$20,000 to \$39,999	1	17%	263	23%
\$40,000 to \$59,999	3	50%	575	49%
\$60,000 to \$79,999	-	0%	175	15%
\$80,000 to \$99,999	-	0%	40	3%
\$100,000 and Above	1	17%	47	4%
Total	6	100%	1,163	100%
Median Annual Income (full-time)	\$42,000		\$48,000	
Average Annual Income (full-time)	\$58,400		\$52,970	

* where data provided



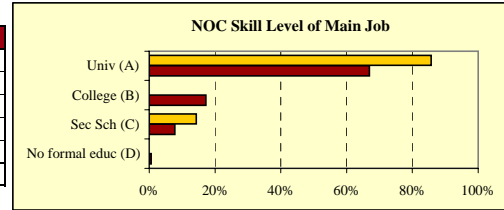
25. NOC Skill Type of Main Job:	40.0801	SFU		
Business, Finance and Administration	-	0%	207	16%
Natural and Applied Sciences and Related	3	43%	140	11%
Health	-	0%	43	3%
Social Sciences, Educ., Gov't Services, Religion	3	43%	664	52%
Arts, Culture, Recreation and Sport	-	0%	69	5%
Sales and Service	-	0%	134	10%
Trades, Transport and Eqp. Operators and Related	1	14%	23	2%
Unique to the Primary Industry	-	0%	2	0%
Unique to Processing, Manufacturing and Utilities	-	0%	4	0%
Total	7	100%	1,286	100%

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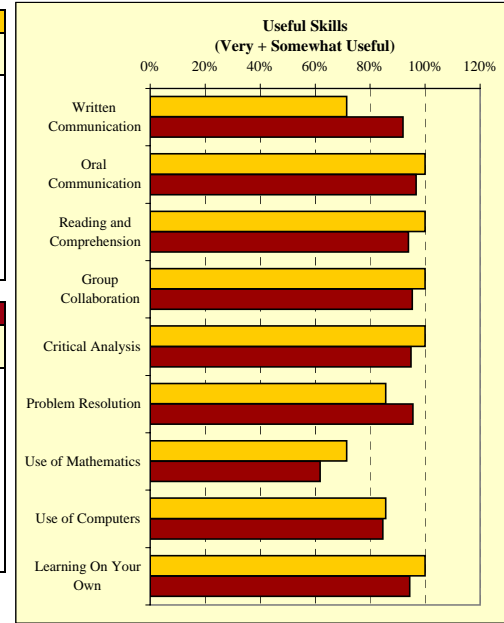
■ SFU
■ 40.0801

EMPLOYMENT, continued

26. NOC Skill Level of Main Job:	40.0801		SFU	
A. University education	6	86%	865	67%
B. College education/trade apprenticeship	-	0%	222	17%
C. Secondary school + job-specific training	1	14%	101	8%
D. No formal education	-	0%	8	1%
No skill level assigned (management)	-	0%	96	7%
Total	7	100%	1,292	100%



27a. How useful are the following skills and abilities in doing your main job?	40.0801				#
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	Resp.
Written Communication	43%	29%	29%	0%	7
Oral Communication	57%	43%	0%	0%	7
Reading and Comprehension	71%	29%	0%	0%	7
Group Collaboration	43%	57%	0%	0%	7
Critical Analysis	86%	14%	0%	0%	7
Problem Resolution	71%	14%	14%	0%	7
Use of Mathematics Appropriate to Field	43%	29%	14%	14%	7
Use of Computers Appropriate to Field	71%	14%	0%	14%	7
Learning On Your Own	71%	29%	0%	0%	7



27b. How useful are the following skills and abilities in doing your main job?	SFU				#
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	Resp.
Written Communication	70%	22%	5%	3%	1,299
Oral Communication	80%	17%	3%	1%	1,299
Reading and Comprehension	70%	24%	4%	1%	1,298
Group Collaboration	77%	18%	4%	1%	1,298
Critical Analysis	72%	23%	4%	1%	1,300
Problem Resolution	77%	19%	4%	1%	1,300
Use of Mathematics Appropriate to Field	29%	33%	21%	17%	1,279
Use of Computers Appropriate to Field	50%	35%	10%	5%	1,291
Learning On Your Own	65%	29%	4%	1%	1,299

28a. Top 10 Full-time Occupations of 40.0801 Graduates:		40.0801	
NOC	NOC Skill Level Description	% Employed FT in this Occ.**	Median FT Salary
*			
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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

28b. Top 10 Full-time Occupations of Graduates from Simon Fraser University:		SFU	
NOC	NOC Skill Level Description	% Employed FT in this Occ.**	Median FT Salary
4142	A Elem & Kindergarten Teacher	18%	\$46,000
4141	A Secondary School Teachers	11%	\$45,000
1111	A Financial Auditors & Accnts	3%	\$48,000
2173	A Software Engineers	2%	\$69,000
4112	A Lawyers & Quebec Notaries	2%	\$70,000
6261	B Police Officers (Excl Commissioned)	2%	\$61,000
5124	A Oecs in Public Relations & Comm	2%	\$51,000
2174	A Computer Programmers/Interactive Media Developers	1%	\$60,000
0611	N/A Sales, Marketing & Advrt Managers	1%	\$87,500
1114	A Other Financial Officers	1%	\$50,000

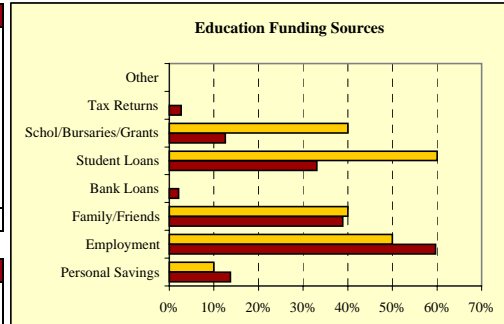
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**percentages cited are of those for whom occupational data was provided, full-time and part-time

EDUCATION FINANCING

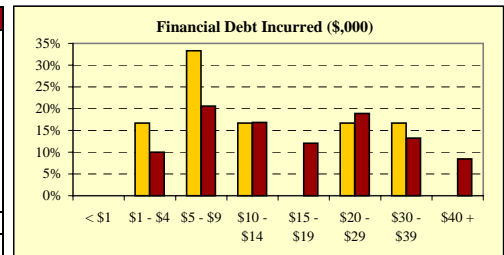
29. Education Funding Sources (2 sources per respondent):	40.0801	SFU
Personal Savings	1 10%*	203 14%*
Employment	5 50%*	884 60%*
Family/Friends	4 40%*	576 39%*
Bank Loans	- 0%*	31 2%*
Student Loans	6 60%*	490 33%*
Scholarships/Bursaries/Grants	4 40%*	186 13%*
Tax Returns	- 0%*	39 3%*
Other	- 0%*	- 0%*
Total Respondents	10	1,482

* Percentage of respondents who identified this source



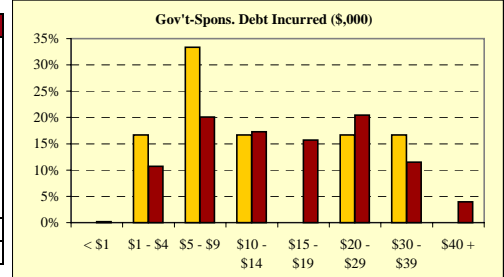
30. Financial Debt Incurred to Finance Univ. Education:	40.0801	SFU
Incurred any form of financial debt	6 60%*	582 39%
Incurred government-sponsored student loan debt	6 60%*	503 34%

* Percentage of respondents who provided data



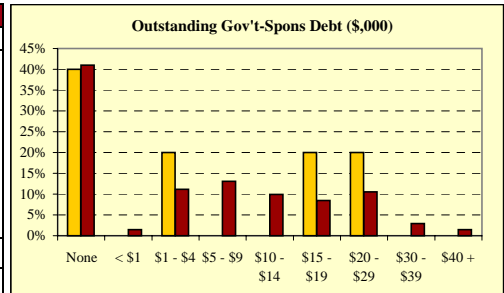
31. Financial Debt Amount:*	40.0801	SFU
< \$1,000	- 0%	- 0%
\$1,000 to \$4,999	1 17%	58 10%
\$5,000 to \$9,999	2 33%	120 21%
\$10,000 to \$14,999	1 17%	98 17%
\$15,000 to \$19,999	- 0%	70 12%
\$20,000 to \$29,999	1 17%	110 19%
\$30,000 to \$39,999	1 17%	77 13%
\$40,000 or More	- 0%	49 8%
Total	6 100%	582 100%
Median Financial Debt	\$11,000	\$15,000

*includes only cases where financial debt was incurred



32. Government-Sponsored Student Loan Debt Amount:*	40.0801	SFU
< \$1,000	- 0%	1 0%
\$1,000 to \$4,999	1 17%	54 11%
\$5,000 to \$9,999	2 33%	101 20%
\$10,000 to \$14,999	1 17%	87 17%
\$15,000 to \$19,999	- 0%	79 16%
\$20,000 to \$29,999	1 17%	103 20%
\$30,000 to \$39,999	1 17%	58 12%
\$40,000 or More	- 0%	20 4%
Total	6 100%	503 100%
Median Gov't-Sponsored Student Loan Debt	\$11,000	\$15,000

*includes only cases where government-sponsored debt was incurred

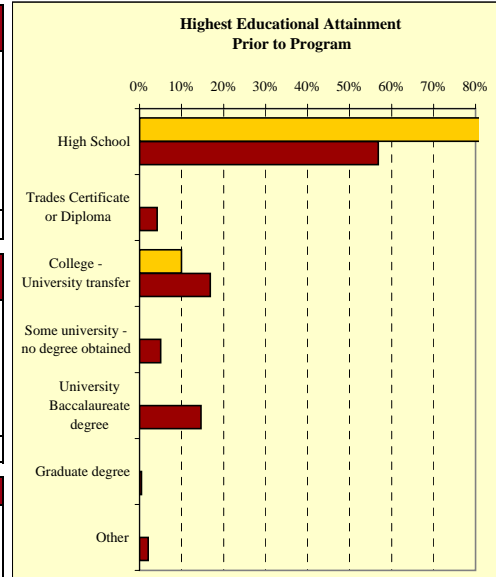


33. Outstanding Gov't-Sponsored Loan Debt Amount:*	40.0801	SFU
None - Loan repaid in full	2 40%	198 41%
< \$1,000	- 0%	7 1%
\$1,000 to \$4,999	1 20%	54 11%
\$5,000 to \$9,999	- 0%	63 13%
\$10,000 to \$14,999	- 0%	48 10%
\$15,000 to \$19,999	1 20%	41 8%
\$20,000 to \$29,999	1 20%	51 11%
\$30,000 to \$39,999	- 0%	14 3%
\$40,000 or More	- 0%	7 1%
Total	5 100%	483 100%
Median Gov't-Sponsored Loan Debt Outstanding	\$1,000	\$3,500

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

SPECIAL SECTION ON CAREER TRANSITIONS

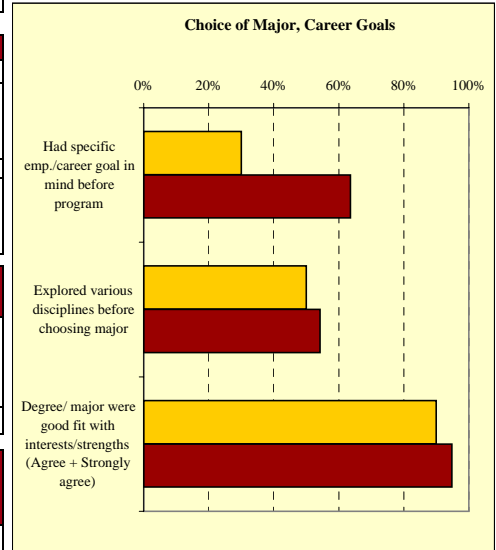
34. Prior to starting [program], what was your highest level of educational attainment?	40.0801		SFU	
High School	9	90%	841	57%
Trades Certificate or Diploma	-	0%	62	4%
College - University transfer	1	10%	249	17%
Some university - no degree obtained	-	0%	74	5%
University Baccalaureate degree	-	0%	217	15%
Graduate degree	-	0%	7	0%
Other	-	0%	30	2%
Total	10	100%	1,480	100%



35. Prior to starting [program], what best describes your employment background?	40.0801		SFU	
I was happily employed in a chosen career	-	0%	218	15%
I held one or more unsatisfying jobs	3	30%	457	31%
I was never employed on a steady basis	3	30%	361	24%
I held one or more satisfying jobs (but not a career)	1	10%	235	16%
I was a student	3	30%	193	13%
Other	-	0%	12	1%
Total	10	100%	1,476	100%

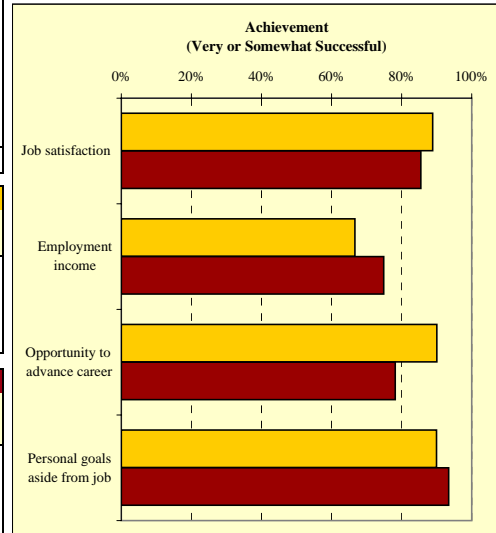
36. Deciding on career, university major:	40.0801		SFU	
When I started [program], I had a specific career/employment goal in mind	3	30%*	915	64%*
I explored a variety of disciplines at university before deciding/confirming choice of major	5	50%*	777	54%*

*percentages are of respondents who answered "yes" or "no"



37. Change in career/employment expectations:	40.0801		SFU	
During Program:				
Changed significantly	4	40%	330	22%
Changed somewhat	4	40%	556	38%
Did not change at all	2	20%	588	40%
Since Graduation:				
Changed significantly	6	60%	391	26%
Changed somewhat	1	10%	567	38%
Did not change at all	3	30%	519	35%

38. Were your degree and major a good fit with your own interests and strengths?	40.0801		SFU	
Strongly agree	6	60%	731	50%
Agree	3	30%	668	45%
Disagree	1	10%	65	4%
Strongly disagree	-	0%	12	1%
Total	10	100%	1,476	100%



39. While completing [program], which of the following significantly influenced or shaped your career and program choices?	40.0801		SFU	
Work experience during studies	5	23%	640	19%
Work experience prior to studies	-	0%	424	13%
Personal experiences	6	27%	1,006	30%
Professors	6	27%	571	17%
Other counselling or advice	2	9%	219	7%
Study abroad	-	0%	86	3%
Travel (not for study)	2	9%	274	8%
Other	1	5%	124	4%
Total	22	100%	3,344	100%

40. How successful have you been in achieving the following:	40.0801				# Resp.
	Very successful	Somewhat successful	Not very successful	Not at all successful	
Job satisfaction	33%	56%	11%	0%	9
Employment income	22%	44%	22%	11%	9
Opportunity to advance career	40%	50%	10%	0%	10
Personal goals aside from job	30%	60%	10%	0%	10

41. How successful have you been in achieving the following:	SFU				# Resp.
	Very successful	Somewhat successful	Not very successful	Not at all successful	
Job satisfaction	45%	40%	10%	4%	1,449
Employment income	28%	47%	18%	7%	1,448
Opportunity to advance career	36%	42%	15%	6%	1,435
Personal goals aside from job	47%	46%	6%	1%	1,469