

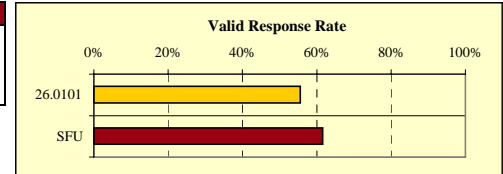
B.C. University Student Outcomes 2003 Survey of 1998 Baccalaureate Graduates

Detailed Summary of Survey Results
Simon Fraser University
6 Digit CIP: 26.0101: Biology, General

■ SFU
■ 26.0101

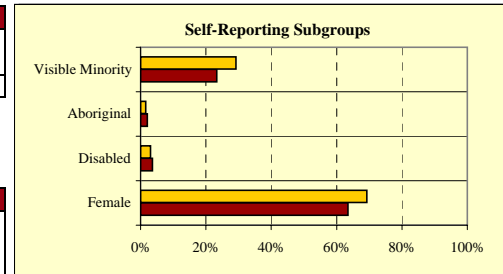
RESPONSE RATE

1. Survey Response Rate:	26.0101	SFU	
1998 Baccalaureate Graduates Survey Cohort	120	2,655	
Net Frame	117	2,406	
Survey Respondents and Valid Response Rate	65	56%	1,482 62%



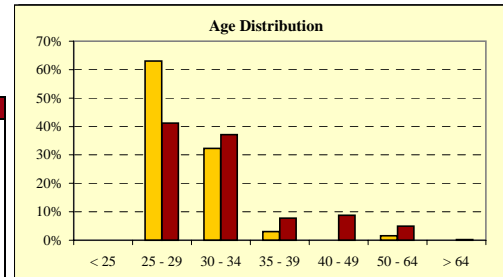
DEMOGRAPHIC INFORMATION

2. Gender:	26.0101	SFU	
Male	20	31%	542 37%
Female	45	69%	940 63%
Total	65	100%	1,482 100%

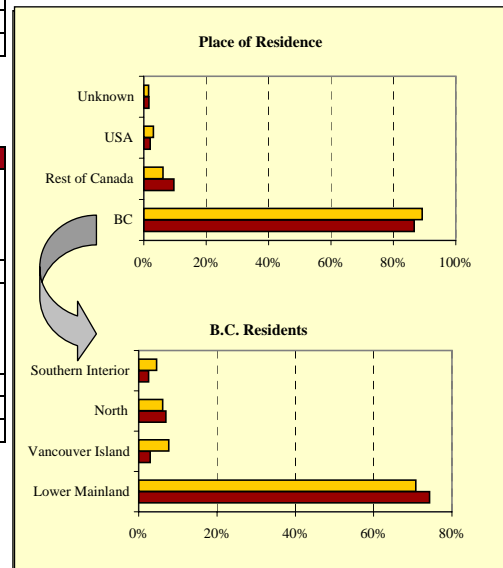


3. Self-Reporting Subgroups:	26.0101	SFU	
Disabled	2	3%	54 4%
Aboriginal	1	2%	30 2%
Visible Minority	19	29%	346 23%

4. Age (at time of survey):	26.0101	SFU	
< 25	-	0%	- 0%
25 to 29	41	63%	610 41%
30 to 34	21	32%	550 37%
35 to 39	2	3%	115 8%
40 to 49	-	0%	130 9%
50 to 64	1	2%	74 5%
> 64	-	0%	3 0%
Unknown	-	0%	- 0%
Total	65	100%	1,482 100%
Mean Age:	29.7	32.8	

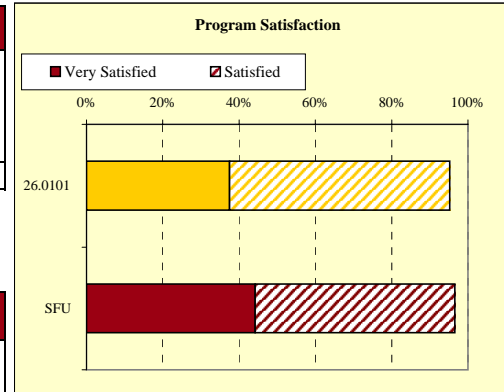


5. Place of Residence (at time of survey):	26.0101	SFU	
BC - Lower Mainland	46	71%	1,101 74%
BC - Vancouver Island	5	8%	43 3%
BC - North	4	6%	103 7%
BC - Southern Interior	3	5%	37 2%
BC Subtotal	58	89%	1,284 87%
Canada - Alberta	3	5%	57 4%
Canada - Ontario	1	2%	56 4%
Canada - Other	-	0%	30 2%
U.S.A.	2	3%	31 2%
Non-BC Subtotal	6	9%	174 12%
Unknown	1	2%	24 2%
Total	65	100%	1,482 100%

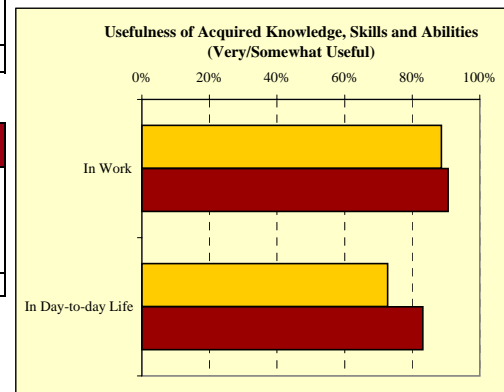


EDUCATION EVALUATION

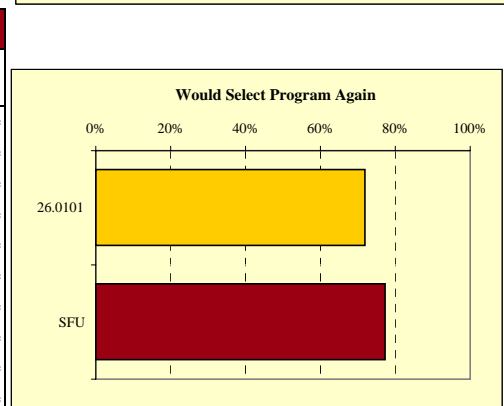
8. Program Satisfaction:	26.0101		SFU	
Very Satisfied	24	38%	653	44%
Satisfied	37	58%	776	53%
Dissatisfied	3	5%	42	3%
Very Dissatisfied	-	0%	7	0%
Total	64	100%	1,478	100%



6. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Work:	26.0101		SFU	
Very Useful	18	41%	582	45%
Somewhat Useful	21	48%	595	46%
Not Very Useful	2	5%	92	7%
Not at All Useful	3	7%	30	2%
Total	44	100%	1,299	100%



7. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Day-to-day Life:	26.0101		SFU	
Very Useful	11	25%	348	27%
Somewhat Useful	21	48%	730	56%
Not Very Useful	9	20%	200	15%
Not at All Useful	3	7%	18	1%
Total	44	100%	1,296	100%



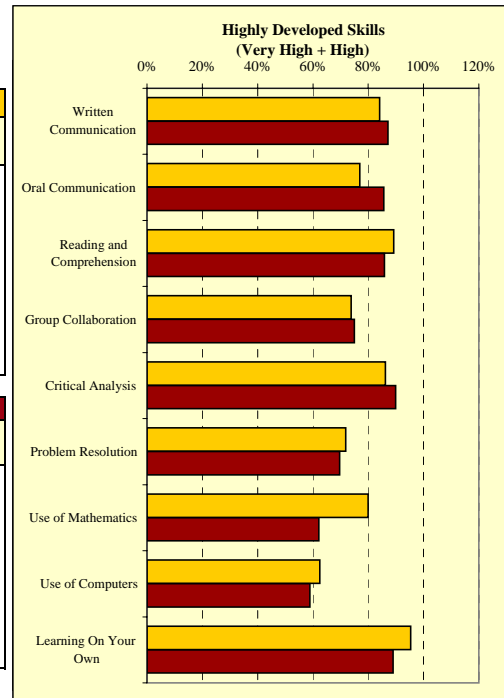
9. Would you select the same program again?	26.0101		SFU	
Yes	46	72%	1,110	77%
No, because . . . (multiple response question)	18		326	
. . . interests have changed	3	13%*	94	23%*
. . . courses were not practical	5	22%*	90	22%*
. . . little or no career opportunities	10	43%*	106	26%*
. . . not enough 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	3	13%*	49	12%*
. . . did not agree with grading system	-	0%*	1	0%*
. . . did not like institution	-	0%*	2	0%*
. . . other	2	9%*	52	13%*

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

SKILL DEVELOPMENT

14a.

To what degree did university help you develop the following skills?	26.0101				# Resp.
	Very High	High	Low	Very Low	
Written Communication	27%	57%	14%	2%	63
Oral Communication	23%	54%	18%	5%	65
Reading and Comprehension	46%	43%	11%	0%	65
Group Collaboration	26%	48%	22%	5%	65
Critical Analysis	46%	40%	14%	0%	65
Problem Resolution	22%	50%	19%	9%	64
Use of Mathematics Appropriate to Field	38%	42%	13%	7%	60
Use of Computers Appropriate to Field	20%	42%	30%	8%	64
Learning On Your Own	58%	38%	5%	0%	64



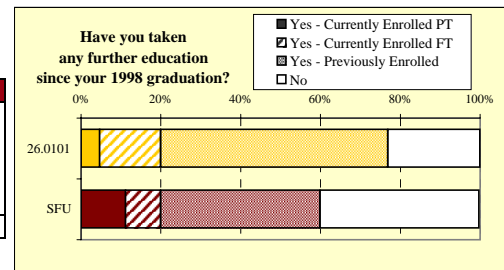
14b.

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

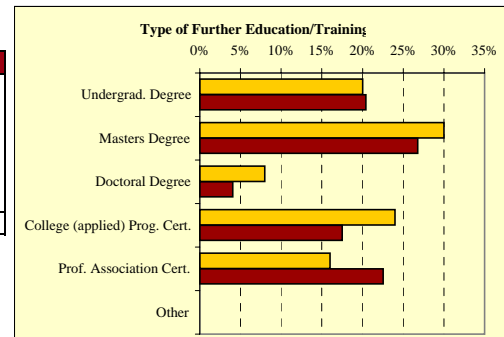
15.

Took further formal education since 1998 graduation	26.0101	SFU
Yes:	50	892
Not currently enrolled	37	592
Currently enrolled full-time	10	131
Currently enrolled part-time	3	165
No	15	590
Total	65	1,482



16.

Type of Formal Post-Secondary Education	26.0101	SFU
Undergraduate Degree	10	182
Masters Degree	15	239
Doctoral Degree	4	36
College (applied) Program Certification	12	156
Professional Association Certification	8	201
Other	-	-
Total Respondents	50	892

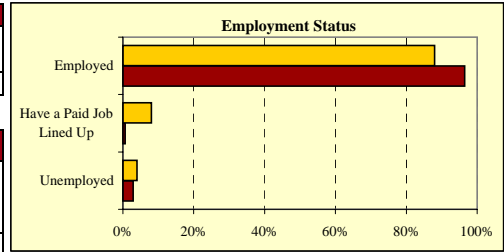


Detailed Summary of Survey Results
Simon Fraser University
6 Digit CIP: 26.0101: Biology, General

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■ 26.0101

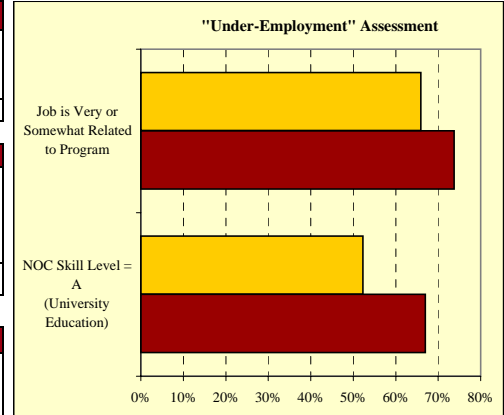
EMPLOYMENT

17. Labour Force Status:	26.0101	SFU		
In Labour Force (working or seeking work)	50	77%	1,348	91%
Not in Labour Force	15	23%	132	9%
Grand Total	65	100%	1,480	100%



18. Employment Status of those IN Labour Force:	26.0101	SFU		
Employed	44	88%	1,301	97%
Have a Paid Job Lined Up	4	8%	8	1%
Unemployed	2	4%	39	3%
Total Labour Force	50	100%	1,348	100%

19. Status of Graduates NOT in Labour Force:	26.0101	SFU		
Attending School FT	8	53%	42	32%
Attending School PT	1	7%	4	3%
Other	6	40%	86	65%
Total NOT in Labour Force	15	100%	132	100%

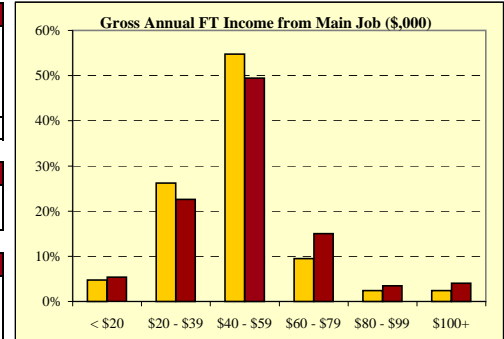


20. Employment Type:	26.0101	SFU		
Paid worker	41	93%	1,158	89%
Self-employed	2	5%	83	6%
Both a paid worker and self-employed	1	2%	60	5%
Total Employed	44	100%	1,301	100%

21. Job Characteristics:	26.0101	SFU		
I hold more than one job	9	20%*	184	14%*
My main job is full-time (>= 30 hours per week)	41	93%**	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?	26.0101	SFU		
Very Related	9	20%	539	41%
Somewhat Related	20	45%	420	32%
Not Very Related	7	16%	177	14%
Not At All Related	8	18%	165	13%
Total	44	100%	1,301	100%

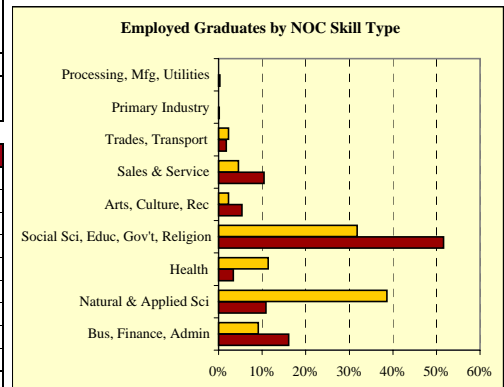


23. "Under-employment" Assessment:	26.0101	SFU		
Job is very or somewhat related to program	29	66%	959	74%
NOC Skill Level = A (University Education)	23	52%	865	67%

* of total valid responses

24. Gross Annual Income from Main Job:*	26.0101	SFU		
Less than \$20,000	2	5%	63	5%
\$20,000 to \$39,999	11	26%	263	23%
\$40,000 to \$59,999	23	55%	575	49%
\$60,000 to \$79,999	4	10%	175	15%
\$80,000 to \$99,999	1	2%	40	3%
\$100,000 and Above	1	2%	47	4%
Total	42	100%	1,163	100%
Median Annual Income (full-time)	\$45,000		\$48,000	
Average Annual Income (full-time)	\$50,206		\$52,970	

* where data provided



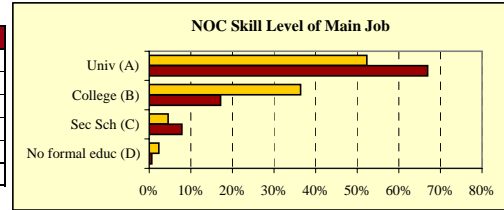
25. NOC Skill Type of Main Job:	26.0101	SFU		
Business, Finance and Administration	4	9%	207	16%
Natural and Applied Sciences and Related	17	39%	140	11%
Health	5	11%	43	3%
Social Sciences, Educ., Gov't Services, Religion	14	32%	664	52%
Arts, Culture, Recreation and Sport	1	2%	69	5%
Sales and Service	2	5%	134	10%
Trades, Transport and Eqp. Operators and Related	1	2%	23	2%
Unique to the Primary Industry	-	0%	2	0%
Unique to Processing, Manufacturing and Utilities	-	0%	4	0%
Total	44	100%	1,286	100%

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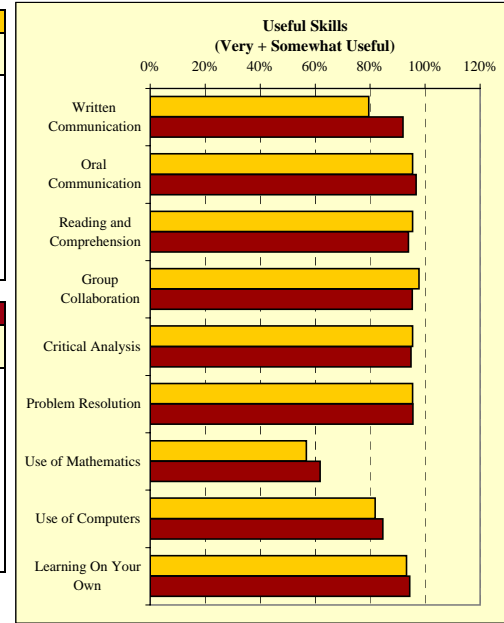
■ SFU
■ 26.0101

EMPLOYMENT, continued

26. NOC Skill Level of Main Job:	26.0101	SFU
A. University education	23 52%	865 67%
B. College education/trade apprenticeship	16 36%	222 17%
C. Secondary school + job-specific training	2 5%	101 8%
D. No formal education	1 2%	8 1%
No skill level assigned (management)	2 5%	96 7%
Total	44 100%	1,292 100%



27a. How useful are the following skills and abilities in doing your main job?	26.0101				#
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	Resp.
Written Communication	59%	20%	16%	5%	44
Oral Communication	66%	30%	5%	0%	44
Reading and Comprehension	70%	25%	2%	2%	44
Group Collaboration	68%	30%	2%	0%	44
Critical Analysis	73%	23%	5%	0%	44
Problem Resolution	68%	27%	2%	2%	44
Use of Mathematics Appropriate to Field	36%	20%	27%	16%	44
Use of Computers Appropriate to Field	52%	30%	9%	9%	44
Learning On Your Own	59%	34%	7%	0%	44



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 26.0101 Graduates:	26.0101	
NOC Skill Level Description	% Employed FT in this Occ.**	Median FT Salary
4141 A Secondary School Teachers	16%	\$45,000
2221 B Biological Technicians	16%	\$36,000
4161 A Natural/App Sci Policy Rschrs	7%	\$45,000
2121 A Biologists & Related Scientists	7%	\$48,000
3215 B Medical Radiation Technicians	5%	\$58,280
0212 N/A Architecture & Science Managers	5%	\$50,000
2222 B Agricultural & Fish Prods Inspctrs	5%	\$44,450
1111 A Financial Auditors & Acnts	5%	\$36,500
* * * * *		

*data not displayed where n < 2 **percentages cited are of those for whom occupational data was provided, full-time and part-time

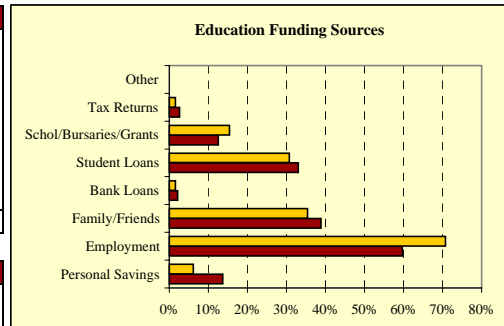
28b. Top 10 Full-time Occupations of Graduates from Simon Fraser University:	SFU	
NOC Skill Level Description	% Employed FT in this Occ.**	Median FT Salary
4142 A Elem & Kindergarten Teacher	18%	\$46,000
4141 A Secondary School Teachers	11%	\$45,000
1111 A Financial Auditors & Acnts	3%	\$48,000
2173 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

*data not displayed where n < 2 **percentages cited are of those for whom occupational data was provided, full-time and part-time

EDUCATION FINANCING

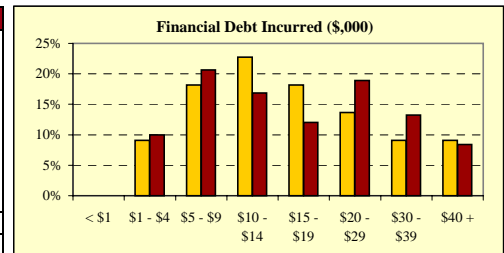
29. Education Funding Sources (2 sources per respondent):	26.0101		SFU	
Personal Savings	4	6%*	203	14%*
Employment	46	71%*	884	60%*
Family/Friends	23	35%*	576	39%*
Bank Loans	1	2%*	31	2%*
Student Loans	20	31%*	490	33%*
Scholarships/Bursaries/Grants	10	15%*	186	13%*
Tax Returns	1	2%*	39	3%*
Other	-	0%*	-	0%*
Total Respondents	65		1,482	

* Percentage of respondents who identified this source



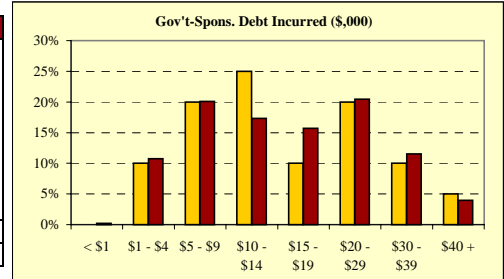
30. Financial Debt Incurred to Finance Univ. Education:	26.0101		SFU	
Incurred any form of financial debt	22	34%*	582	39%
Incurred government-sponsored student loan debt	20	31%*	503	34%

* Percentage of respondents who provided data



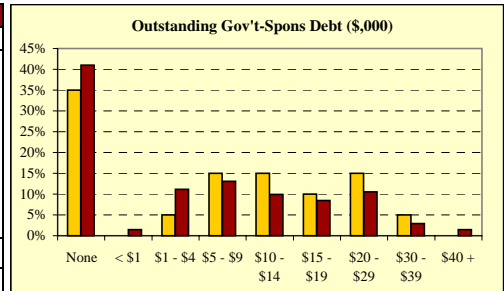
31. Financial Debt Amount:*	26.0101		SFU	
< \$1,000	-	0%	-	0%
\$1,000 to \$4,999	2	9%	58	10%
\$5,000 to \$9,999	4	18%	120	21%
\$10,000 to \$14,999	5	23%	98	17%
\$15,000 to \$19,999	4	18%	70	12%
\$20,000 to \$29,999	3	14%	110	19%
\$30,000 to \$39,999	2	9%	77	13%
\$40,000 or More	2	9%	49	8%
Total	22	100%	582	100%
Median Financial Debt	\$14,500		\$15,000	

*includes only cases where financial debt was incurred



32. Government-Sponsored Student Loan Debt Amount:*	26.0101		SFU	
< \$1,000	-	0%	1	0%
\$1,000 to \$4,999	2	10%	54	11%
\$5,000 to \$9,999	4	20%	101	20%
\$10,000 to \$14,999	5	25%	87	17%
\$15,000 to \$19,999	2	10%	79	16%
\$20,000 to \$29,999	4	20%	103	20%
\$30,000 to \$39,999	2	10%	58	12%
\$40,000 or More	1	5%	20	4%
Total	20	100%	503	100%
Median Gov't-Sponsored Student Loan Debt	\$13,500		\$15,000	

*includes only cases where government-sponsored debt was incurred

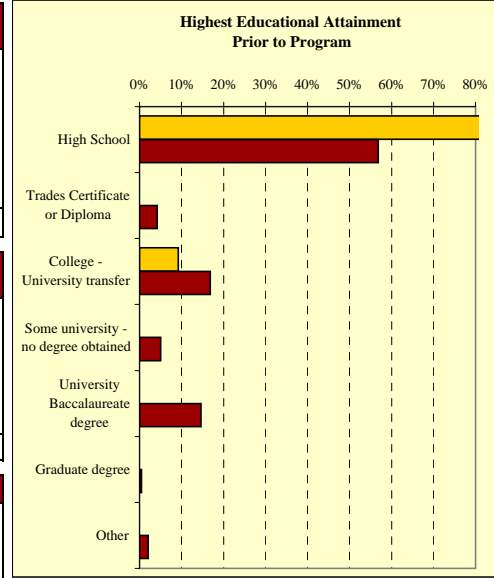


33. Outstanding Gov't-Sponsored Loan Debt Amount:*	26.0101		SFU	
None - Loan repaid in full	7	35%	198	41%
< \$1,000	-	0%	7	1%
\$1,000 to \$4,999	1	5%	54	11%
\$5,000 to \$9,999	3	15%	63	13%
\$10,000 to \$14,999	3	15%	48	10%
\$15,000 to \$19,999	2	10%	41	8%
\$20,000 to \$29,999	3	15%	51	11%
\$30,000 to \$39,999	1	5%	14	3%
\$40,000 or More	-	0%	7	1%
Total	20	100%	483	100%
Median Gov't-Sponsored Loan Debt Outstanding	\$7,750		\$3,500	

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

SPECIAL SECTION ON CAREER TRANSITIONS

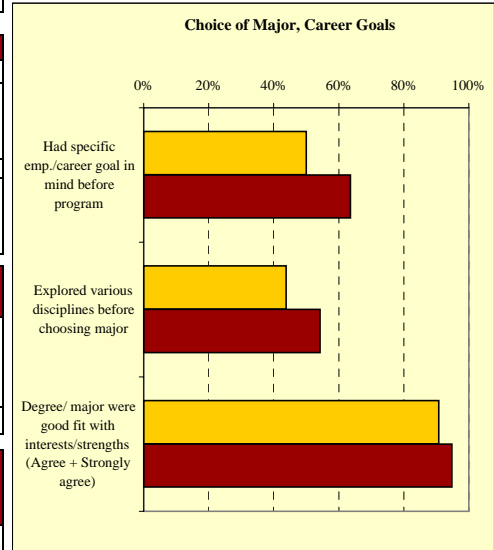
34.	Prior to starting [program], what was your highest level of educational attainment?	26.0101		SFU	
	High School	59	91%	841	57%
	Trades Certificate or Diploma	-	0%	62	4%
	College - University transfer	6	9%	249	17%
	Some university - no degree obtained	-	0%	74	5%
	University Baccalaureate degree	-	0%	217	15%
	Graduate degree	-	0%	7	0%
	Other	-	0%	30	2%
	Total	65	100%	1,480	100%



35.	Prior to starting [program], what best describes your employment background?	26.0101		SFU	
	I was happily employed in a chosen career	6	9%	218	15%
	I held one or more unsatisfying jobs	20	31%	457	31%
	I was never employed on a steady basis	26	40%	361	24%
	I held one or more satisfying jobs (but not a career)	2	3%	235	16%
	I was a student	11	17%	193	13%
	Other	-	0%	12	1%
	Total	65	100%	1,476	100%

36.	Deciding on career, university major:	26.0101		SFU	
	When I started [program], I had a specific career/employment goal in mind	31	50%*	915	64%*
	I explored a variety of disciplines at university before deciding/confirming choice of major	28	44%*	777	54%*

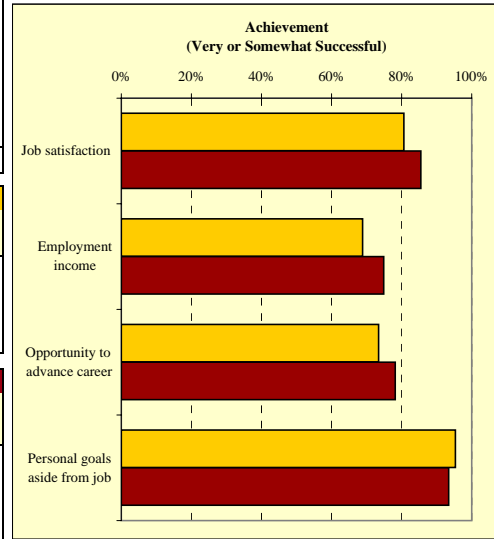
*percentages are of respondents who answered "yes" or "no"



37.	Change in career/employment expectations:	26.0101		SFU	
	During Program:				
	Changed significantly	18	28%	330	22%
	Changed somewhat	34	52%	556	38%
	Did not change at all	13	20%	588	40%
	Since Graduation:				
	Changed significantly	22	34%	391	26%
	Changed somewhat	24	37%	567	38%
	Did not change at all	19	29%	519	35%

38.	Were your degree and major a good fit with your own interests and strengths?	26.0101		SFU	
	Strongly agree	29	45%	731	50%
	Agree	30	46%	668	45%
	Disagree	5	8%	65	4%
	Strongly disagree	1	2%	12	1%
	Total	65	100%	1,476	100%

39.	While completing [program], which of the following significantly influenced or shaped your career and program choices?	26.0101		SFU	
	Work experience during studies	35	25%	640	19%
	Work experience prior to studies	10	7%	424	13%
	Personal experiences	38	27%	1,006	30%
	Professors	28	20%	571	17%
	Other counselling or advice	9	6%	219	7%
	Study abroad	6	4%	86	3%
	Travel (not for study)	11	8%	274	8%
	Other	5	4%	124	4%
	Total	142	100%	3,344	100%



40.	How successful have you been in achieving the following:	26.0101				# Resp.
		Very successful	Somewhat successful	Not very successful	Not at all successful	
	Job satisfaction	32%	48%	11%	8%	62
	Employment income	21%	48%	23%	8%	61
	Opportunity to advance career	34%	39%	17%	9%	64
	Personal goals aside from job	49%	46%	5%	0%	65

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