

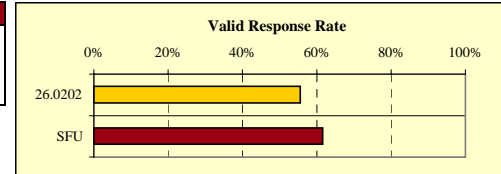
B.C. University Student Outcomes 2003 Survey of 1998 Baccalaureate Graduates

Detailed Summary of Survey Results
Simon Fraser University
6 Digit CIP: 26.0202: Biochemistry

■ SFU
■ 26.0202

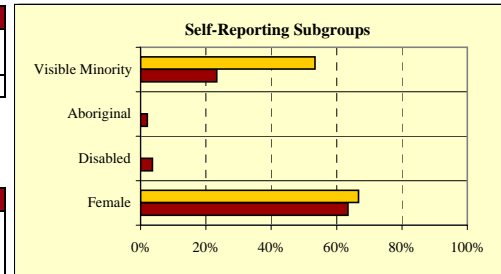
RESPONSE RATE

1. Survey Response Rate:	26.0202	SFU		
1998 Baccalaureate Graduates Survey Cohort	29		2,655	
Net Frame	27		2,406	
Survey Respondents and Valid Response Rate	15	56%	1,482	62%



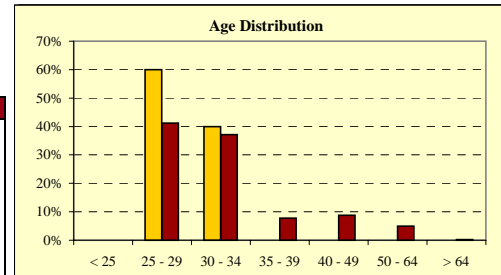
DEMOGRAPHIC INFORMATION

2. Gender:	26.0202	SFU		
Male	5	33%	542	37%
Female	10	67%	940	63%
Total	15	100%	1,482	100%

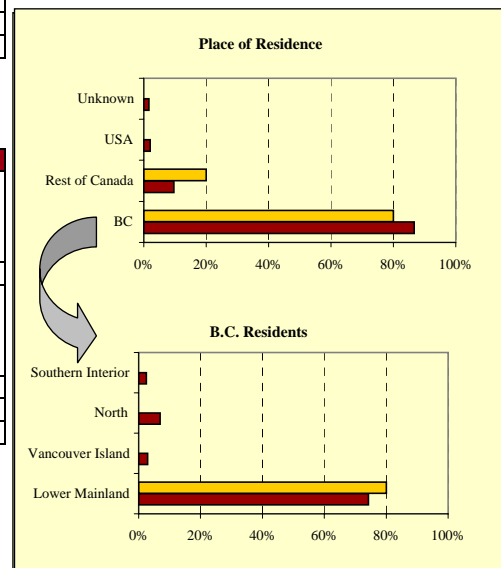


3. Self-Reporting Subgroups:	26.0202	SFU		
Disabled	-	0%	54	4%
Aboriginal	-	0%	30	2%
Visible Minority	8	53%	346	23%

4. Age (at time of survey):	26.0202	SFU		
< 25	-	0%	-	0%
25 to 29	9	60%	610	41%
30 to 34	6	40%	550	37%
35 to 39	-	0%	115	8%
40 to 49	-	0%	130	9%
50 to 64	-	0%	74	5%
> 64	-	0%	3	0%
Unknown	-	0%	-	0%
Total	15	100%	1,482	100%
Mean Age:	28.9		32.8	

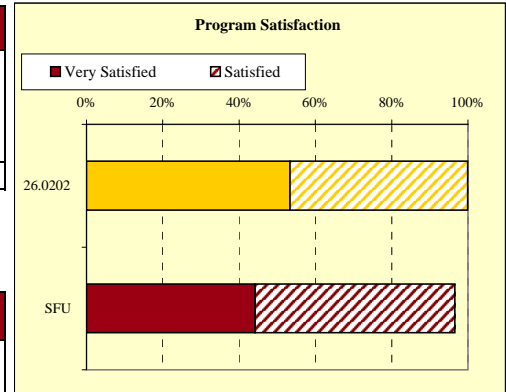


5. Place of Residence (at time of survey):	26.0202	SFU		
BC - Lower Mainland	12	80%	1,101	74%
BC - Vancouver Island	-	0%	43	3%
BC - North	-	0%	103	7%
BC - Southern Interior	-	0%	37	2%
BC Subtotal	12	80%	1,284	87%
Canada - Alberta	2	13%	57	4%
Canada - Ontario	1	7%	56	4%
Canada - Other	-	0%	30	2%
U.S.A.	-	0%	31	2%
Non-BC Subtotal	3	20%	174	12%
Unknown	-	0%	24	2%
Total	15	100%	1,482	100%

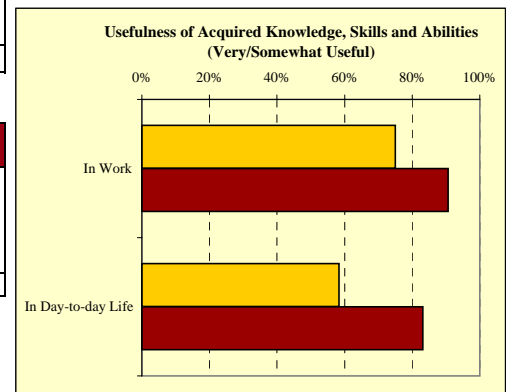


EDUCATION EVALUATION

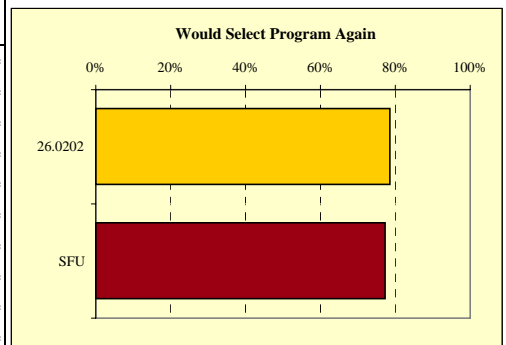
8. Program Satisfaction:	26.0202		SFU	
Very Satisfied	8	53%	653	44%
Satisfied	7	47%	776	53%
Dissatisfied	-	0%	42	3%
Very Dissatisfied	-	0%	7	0%
Total	15	100%	1,478	100%



6. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Work:	26.0202		SFU	
Very Useful	4	33%	582	45%
Somewhat Useful	5	42%	595	46%
Not Very Useful	3	25%	92	7%
Not at All Useful	-	0%	30	2%
Total	12	100%	1,299	100%



7. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Day-to-day Life:	26.0202		SFU	
Very Useful	1	8%	348	27%
Somewhat Useful	6	50%	730	56%
Not Very Useful	5	42%	200	15%
Not at All Useful	-	0%	18	1%
Total	12	100%	1,296	100%



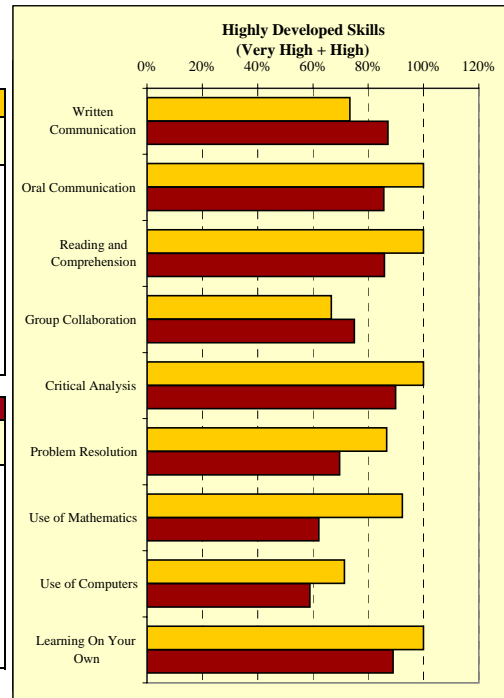
9. Would you select the same program again?	26.0202		SFU	
Yes	11	79%	1,110	77%
No, because . . . (multiple response question)	3		326	
. . . interests have changed	2	67%*	94	23%*
. . . courses were not practical	-	0%*	90	22%*
. . . little or no career opportunities	-	0%*	106	26%*
. . . not enough course 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	33%*	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?	26.0202				# Resp.
	Very High	High	Low	Very Low	
Written Communication	40%	33%	27%	0%	15
Oral Communication	27%	73%	0%	0%	15
Reading and Comprehension	57%	43%	0%	0%	14
Group Collaboration	33%	33%	33%	0%	15
Critical Analysis	53%	47%	0%	0%	15
Problem Resolution	20%	67%	13%	0%	15
Use of Mathematics Appropriate to Field	15%	77%	8%	0%	13
Use of Computers Appropriate to Field	29%	43%	29%	0%	14
Learning On Your Own	60%	40%	0%	0%	15



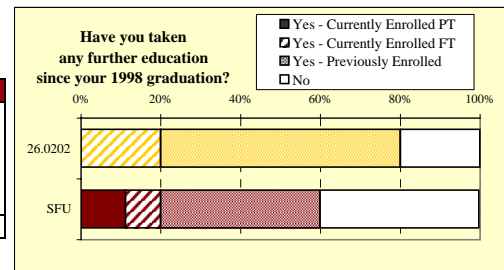
14b.

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

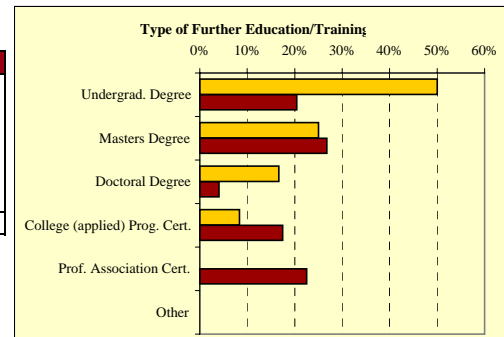
15.

Took further formal education since 1998 graduation	26.0202	SFU
Yes:	12	892
Not currently enrolled	9	592
Currently enrolled full-time	3	131
Currently enrolled part-time	-	165
No	3	590
Total	15	1,482



16.

Type of Formal Post-Secondary Education	26.0202	SFU
Undergraduate Degree	6	182
Masters Degree	3	239
Doctoral Degree	2	36
College (applied) Program Certification	1	156
Professional Association Certification	-	201
Other	-	-
Total Respondents	12	892

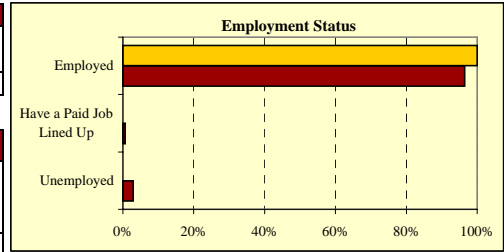


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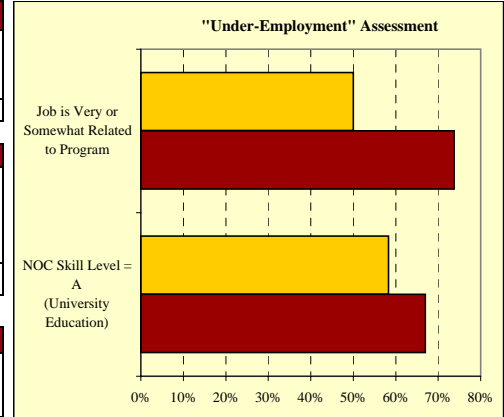
EMPLOYMENT

17. Labour Force Status:	26.0202	SFU
In Labour Force (working or seeking work)	12 80%	1,348 91%
Not in Labour Force	3 20%	132 9%
Grand Total	15 100%	1,480 100%



18. Employment Status of those IN Labour Force:	26.0202	SFU
Employed	12 100%	1,301 97%
Have a Paid Job Lined Up	- 0%	8 1%
Unemployed	- 0%	39 3%
Total Labour Force	12 100%	1,348 100%

19. Status of Graduates NOT in Labour Force:	26.0202	SFU
Attending School FT	3 100%	42 32%
Attending School PT	- 0%	4 3%
Other	- 0%	86 65%
Total NOT in Labour Force	3 100%	132 100%

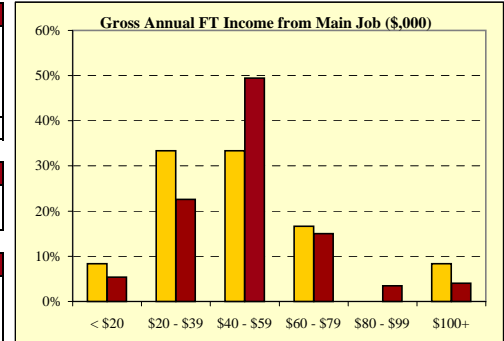


20. Employment Type:	26.0202	SFU
Paid worker	10 83%	1,158 89%
Self-employed	1 8%	83 6%
Both a paid worker and self-employed	1 8%	60 5%
Total Employed	12 100%	1,301 100%

21. Job Characteristics:	26.0202	SFU
I hold more than one job	2 17%*	184 14%*
My main job is full-time (>= 30 hours per week)	10 83%**	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?	26.0202	SFU
Very Related	4 33%	539 41%
Somewhat Related	2 17%	420 32%
Not Very Related	2 17%	177 14%
Not At All Related	4 33%	165 13%
Total	12 100%	1,301 100%

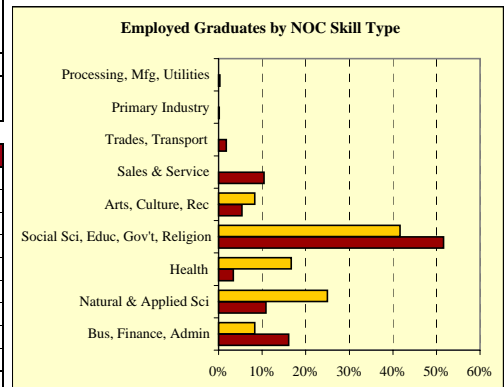


23. "Under-employment" Assessment:	26.0202	SFU
Job is very or somewhat related to program	6 50%	959 74%
NOC Skill Level = A (University Education)	7 58%	865 67%

* of total valid responses

24. Gross Annual Income from Main Job:*	26.0202	SFU
Less than \$20,000	1 8%	63 5%
\$20,000 to \$39,999	4 33%	263 23%
\$40,000 to \$59,999	4 33%	575 49%
\$60,000 to \$79,999	2 17%	175 15%
\$80,000 to \$99,999	- 0%	40 3%
\$100,000 and Above	1 8%	47 4%
Total	12 100%	1,163 100%
Median Annual Income (full-time)	\$48,338	\$48,000
Average Annual Income (full-time)	\$57,269	\$52,970

* where data provided



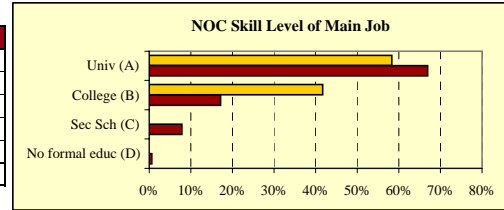
25. NOC Skill Type of Main Job:	26.0202	SFU
Business, Finance and Administration	1 8%	207 16%
Natural and Applied Sciences and Related	3 25%	140 11%
Health	2 17%	43 3%
Social Sciences, Educ., Gov't Services, Religion	5 42%	664 52%
Arts, Culture, Recreation and Sport	1 8%	69 5%
Sales and Service	- 0%	134 10%
Trades, Transport and Equip. Operators and Related	- 0%	23 2%
Unique to the Primary Industry	- 0%	2 0%
Unique to Processing, Manufacturing and Utilities	- 0%	4 0%
Total	12 100%	1,286 100%

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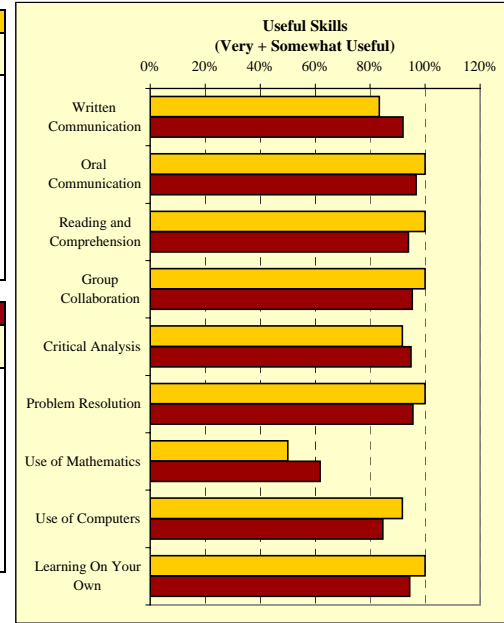
■ SFU
■ 26.0202

EMPLOYMENT, continued

26. NOC Skill Level of Main Job:	26.0202		SFU	
A. University education	7	58%	865	67%
B. College education/trade apprenticeship	5	42%	222	17%
C. Secondary school + job-specific training	-	0%	101	8%
D. No formal education	-	0%	8	1%
No skill level assigned (management)	-	0%	96	7%
Total	12	100%	1,292	100%



27a. How useful are the following skills and abilities in doing your main job?	26.0202				#
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	Resp.
Written Communication	58%	25%	17%	0%	12
Oral Communication	92%	8%	0%	0%	12
Reading and Comprehension	75%	25%	0%	0%	12
Group Collaboration	67%	33%	0%	0%	12
Critical Analysis	83%	8%	8%	0%	12
Problem Resolution	67%	33%	0%	0%	12
Use of Mathematics Appropriate to Field	8%	42%	25%	25%	12
Use of Computers Appropriate to Field	50%	42%	8%	0%	12
Learning On Your Own	67%	33%	0%	0%	12



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 26.0202 Graduates:	26.0202		
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

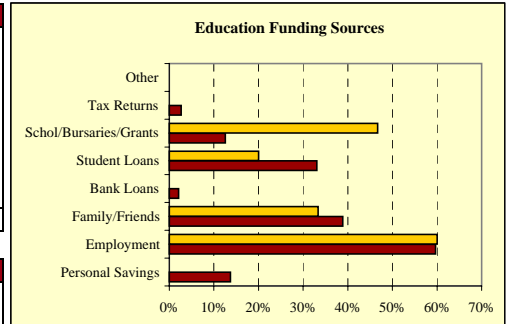
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**percentages cited are of those for whom occupational data was provided, full-time and part-time

EDUCATION FINANCING

29. Education Funding Sources (2 sources per respondent):	26.0202		SFU	
Personal Savings	-	0%*	203	14%*
Employment	9	60%*	884	60%*
Family/Friends	5	33%*	576	39%*
Bank Loans	-	0%*	31	2%*
Student Loans	3	20%*	490	33%*
Scholarships/Bursaries/Grants	7	47%*	186	13%*
Tax Returns	-	0%*	39	3%*
Other	-	0%*	-	0%*
Total Respondents	15		1,482	

* Percentage of respondents who identified this source

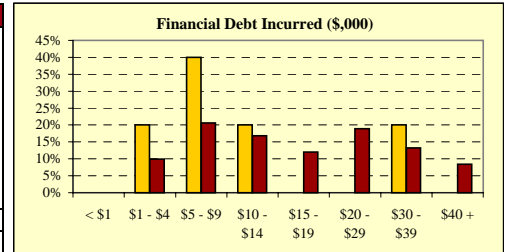


30. Financial Debt Incurred to Finance Univ. Education:	26.0202		SFU	
Incurred any form of financial debt	5	33%*	582	39%
Incurred government-sponsored student loan debt	3	20%*	503	34%

* Percentage of respondents who provided data

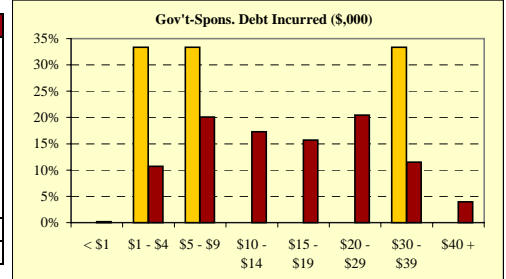
31. Financial Debt Amount:*	26.0202		SFU	
< \$1,000	-	0%	-	0%
\$1,000 to \$4,999	1	20%	58	10%
\$5,000 to \$9,999	2	40%	120	21%
\$10,000 to \$14,999	1	20%	98	17%
\$15,000 to \$19,999	-	0%	70	12%
\$20,000 to \$29,999	-	0%	110	19%
\$30,000 to \$39,999	1	20%	77	13%
\$40,000 or More	-	0%	49	8%
Total	5	100%	582	100%
Median Financial Debt	\$8,000		\$15,000	

*includes only cases where financial debt was incurred



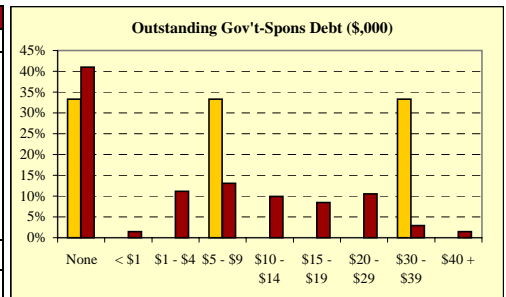
32. Government-Sponsored Student Loan Debt Amount:*	26.0202		SFU	
< \$1,000	-	0%	1	0%
\$1,000 to \$4,999	1	33%	54	11%
\$5,000 to \$9,999	1	33%	101	20%
\$10,000 to \$14,999	-	0%	87	17%
\$15,000 to \$19,999	-	0%	79	16%
\$20,000 to \$29,999	-	0%	103	20%
\$30,000 to \$39,999	1	33%	58	12%
\$40,000 or More	-	0%	20	4%
Total	3	100%	503	100%
Median Gov't-Sponsored Student Loan Debt	\$8,000		\$15,000	

*includes only cases where government-sponsored debt was incurred



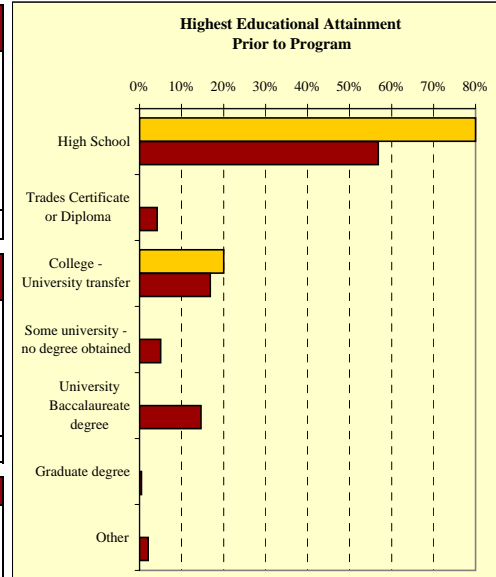
33. Outstanding Gov't-Sponsored Loan Debt Amount:*	26.0202		SFU	
None - Loan repaid in full	1	33%	198	41%
< \$1,000	-	0%	7	1%
\$1,000 to \$4,999	-	0%	54	11%
\$5,000 to \$9,999	1	33%	63	13%
\$10,000 to \$14,999	-	0%	48	10%
\$15,000 to \$19,999	-	0%	41	8%
\$20,000 to \$29,999	-	0%	51	11%
\$30,000 to \$39,999	1	33%	14	3%
\$40,000 or More	-	0%	7	1%
Total	3	100%	483	100%
Median Gov't-Sponsored Loan Debt Outstanding	\$5,500		\$3,500	

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



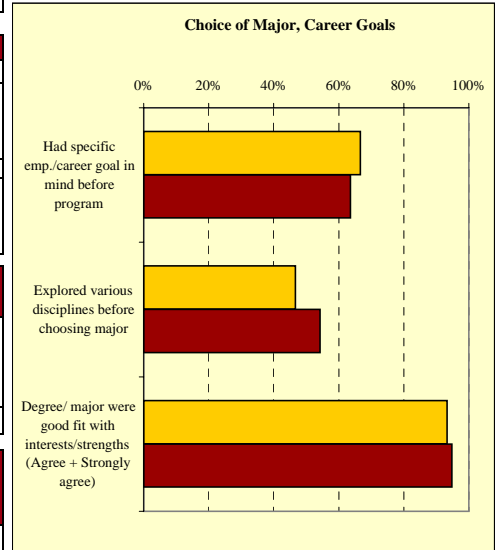
SPECIAL SECTION ON CAREER TRANSITIONS

34. Prior to starting [program], what was your highest level of educational attainment?	26.0202		SFU	
High School	12	80%	841	57%
Trades Certificate or Diploma	-	0%	62	4%
College - University transfer	3	20%	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	15	100%	1,480	100%



35. Prior to starting [program], what best describes your employment background?	26.0202		SFU	
I was happily employed in a chosen career	-	0%	218	15%
I held one or more unsatisfying jobs	5	33%	457	31%
I was never employed on a steady basis	5	33%	361	24%
I held one or more satisfying jobs (but not a career)	1	7%	235	16%
I was a student	4	27%	193	13%
Other	-	0%	12	1%
Total	15	100%	1,476	100%

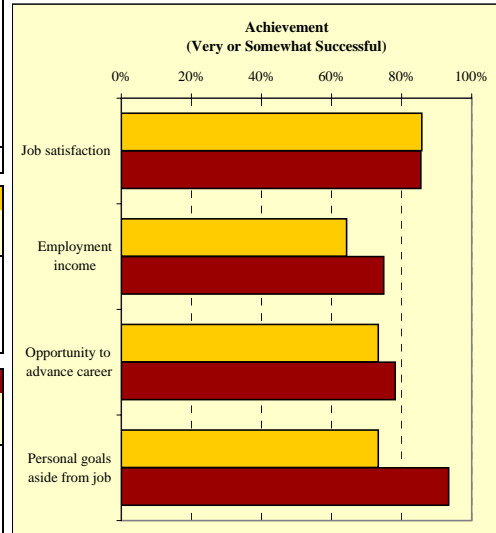
36. Deciding on career, university major:	26.0202		SFU	
When I started [program], I had a specific career/employment goal in mind	10	67%*	915	64%*
I explored a variety of disciplines at university before deciding/confirming choice of major	7	47%*	777	54%*



37. Change in career/employment expectations:	26.0202		SFU	
During Program:				
Changed significantly	4	27%	330	22%
Changed somewhat	7	47%	556	38%
Did not change at all	4	27%	588	40%
Since Graduation:				
Changed significantly	3	21%	391	26%
Changed somewhat	9	64%	567	38%
Did not change at all	2	14%	519	35%

38. Were your degree and major a good fit with your own interests and strengths?	26.0202		SFU	
Strongly agree	7	47%	731	50%
Agree	7	47%	668	45%
Disagree	1	7%	65	4%
Strongly disagree	-	0%	12	1%
Total	15	100%	1,476	100%

39. While completing [program], which of the following significantly influenced or shaped your career and program choices?	26.0202		SFU	
Work experience during studies	6	20%	640	19%
Work experience prior to studies	4	13%	424	13%
Personal experiences	9	30%	1,006	30%
Professors	6	20%	571	17%
Other counselling or advice	4	13%	219	7%
Study abroad	-	0%	86	3%
Travel (not for study)	-	0%	274	8%
Other	1	3%	124	4%
Total	30	100%	3,344	100%



40. How successful have you been in achieving the following:	26.0202				# Resp.
	Very successful	Somewhat successful	Not very successful	Not at all successful	
Job satisfaction	50%	36%	14%	0%	14
Employment income	21%	43%	29%	7%	14
Opportunity to advance career	47%	27%	27%	0%	15
Personal goals aside from job	40%	33%	27%	0%	15

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