

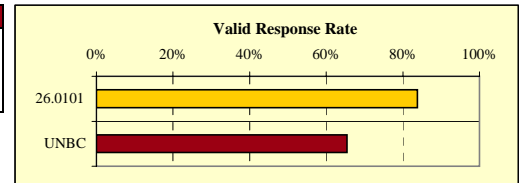
# B.C. University Student Outcomes 2004 Survey of 2002 Baccalaureate Graduates

Detailed Summary of Survey Results  
University of Northern British Columbia  
6 Digit CIP: 26.0101: Biology, General

■ UNBC  
■ 26.0101

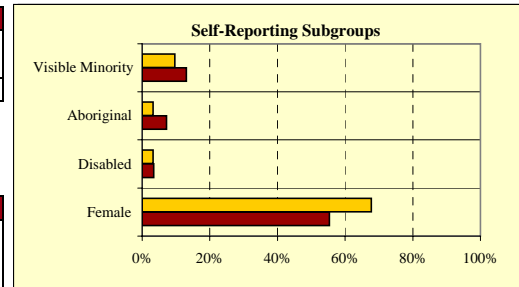
## RESPONSE RATE

1. Survey Response Rate:	26.0101	UNBC	
2002 Baccalaureate Graduates Survey Cohort	41	479	
Net Frame	37	445	
Survey Respondents and Valid Response Rate	31	84%	291
			65%



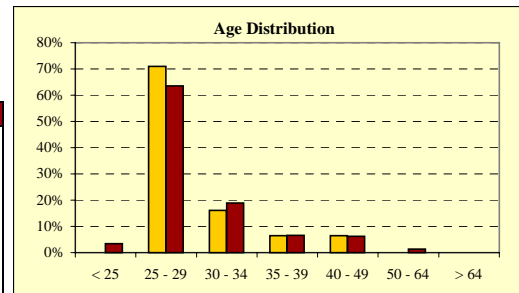
## DEMOGRAPHIC INFORMATION

2. Gender:	26.0101	UNBC	
Male	10	32%	130
Female	21	68%	161
Total	31	100%	291
			100%

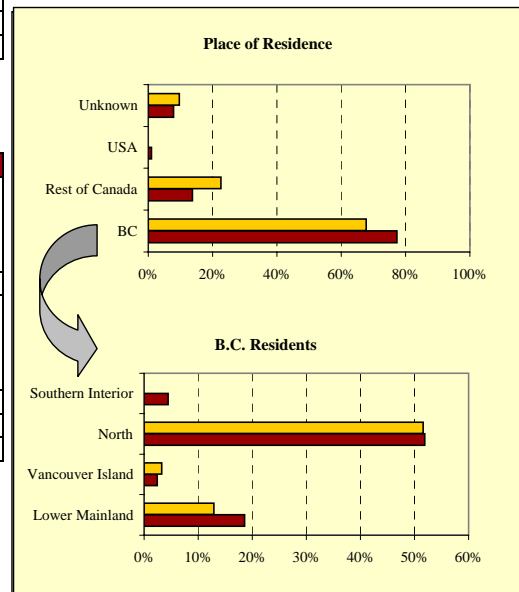


3. Self-Reporting Subgroups:	26.0101	UNBC	
Disabled	1	3%	10
Aboriginal	1	3%	21
Visible Minority	3	10%	38
			13%

4. Age (at time of survey):	26.0101	UNBC	
< 25	-	0%	10
25 to 29	22	71%	185
30 to 34	5	16%	55
35 to 39	2	6%	19
40 to 49	2	6%	18
50 to 64	-	0%	4
> 64	-	0%	-
Unknown	-	0%	-
Total	31	100%	291
Mean Age:	28.9		29.5



5. Place of Residence (at time of survey):	26.0101	UNBC	
BC - Lower Mainland	4	13%	54
BC - Vancouver Island	1	3%	7
BC - North	16	52%	151
BC - Southern Interior	-	0%	13
BC Subtotal	21	68%	225
Canada - Alberta	2	6%	20
Canada - Ontario	1	3%	10
Canada - Other	4	13%	10
U.S.A.	-	0%	3
Non-BC Subtotal	7	23%	43
Unknown	3	10%	23
Total	31	100%	291
			100%

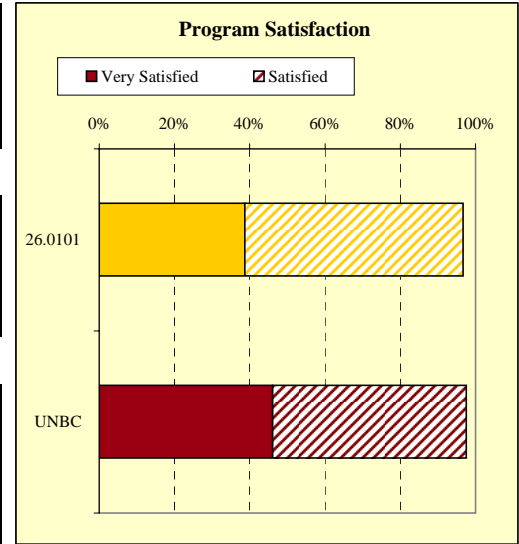


**EDUCATION EVALUATION AND SKILL DEVELOPMENT**

6. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Work:	26.0101		UNBC	
Very Useful	9	45%	111	47%
Somewhat Useful	8	40%	103	44%
Not Very Useful	2	10%	14	6%
Not at All Useful	1	5%	6	3%

7. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Day-to-day Life:	26.0101		UNBC	
Very Useful	3	15%	64	27%
Somewhat Useful	14	70%	135	58%
Not Very Useful	3	15%	26	11%
Not at All Useful	-	0%	8	3%

8. Program Satisfaction:	26.0101		UNBC	
Very Satisfied	12	39%	134	46%
Satisfied	18	58%	150	52%
Dissatisfied	1	3%	7	2%
Very Dissatisfied	-	0%	-	0%
Total	31	100%	291	100%



9. Would you select the same program again?	26.0101		UNBC	
Yes	23	77%	223	79%
No, because . . . (multiple response question)	7		60	
... interests have changed	2	29%*	11	12%*
... courses were not practical	1	14%*	22	24%*
... little or no career opportunities	2	29%*	24	26%*
... other	2	29%*	35	38%*

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

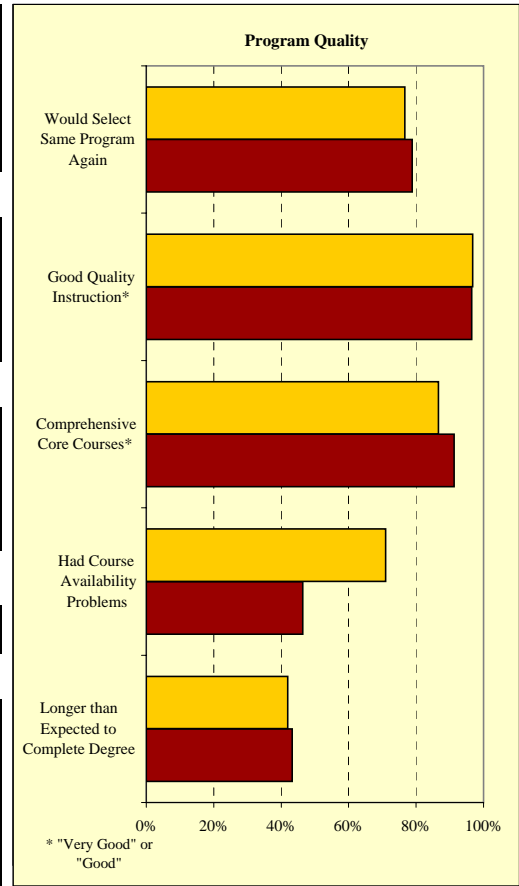
10. Quality of Instruction:	26.0101		UNBC	
Very Good	16	52%	114	40%
Good	14	45%	163	57%
Poor	1	3%	10	3%
Very Poor	-	0%	-	0%
Total	31	100%	287	100%

11. Comprehensiveness of Core Courses:	26.0101		UNBC	
Very Good	9	30%	79	29%
Good	17	57%	173	63%
Poor	3	10%	22	8%
Very Poor	1	3%	2	1%
Total	30	100%	276	100%

12. Course Availability:	26.0101		UNBC	
Encountered course availability problems	22	71%	135	46%

13. Degree Completion:	26.0101		UNBC	
Took longer than expected to complete degree	13	42%	126	43%
<b>Top 4 reasons for prolonged degree completion (multiple response question):</b>				
Personal or family reasons	2	11%*	18	11%*
Financial reasons / work	3	16%*	15	9%*
Change of major/program/specialization	-	0%*	11	6%*
Involvement in co-op program extended completion time	-	0%*	15	9%*
Other reason(s)	14	74%*	111	65%*

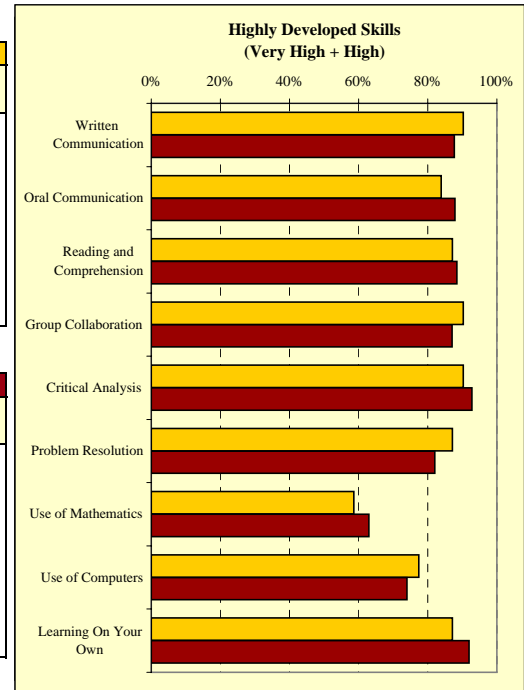
\* Percent of total responses, among those who took longer than expected to complete degree



**SKILL DEVELOPMENT**

14a.

To what degree did university help you develop the following skills?	26.0101				
	Very High	High	Low	Very Low	# Resp.
	Written Communication	35%	55%	6%	3%
Oral Communication	39%	45%	16%	0%	31
Reading and Comprehension	55%	32%	13%	0%	31
Group Collaboration	42%	48%	10%	0%	31
Critical Analysis	55%	35%	10%	0%	31
Problem Resolution	19%	68%	13%	0%	31
Use of Mathematics Appropriate to Field	14%	45%	31%	10%	29
Use of Computers Appropriate to Field	26%	52%	19%	3%	31
Learning On Your Own	55%	32%	6%	6%	31



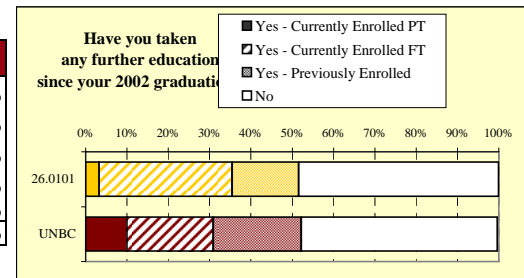
14b.

To what degree did university help you develop the following skills?	UNBC				
	Very High	High	Low	Very Low	# Resp.
	Written Communication	44%	44%	10%	3%
Oral Communication	41%	47%	11%	1%	288
Reading and Comprehension	49%	40%	10%	1%	286
Group Collaboration	44%	43%	11%	2%	286
Critical Analysis	55%	37%	7%	0%	289
Problem Resolution	25%	57%	16%	2%	284
Use of Mathematics Appropriate to Field	23%	40%	27%	10%	240
Use of Computers Appropriate to Field	32%	42%	19%	7%	269
Learning On Your Own	54%	38%	6%	2%	285

**FURTHER EDUCATION**

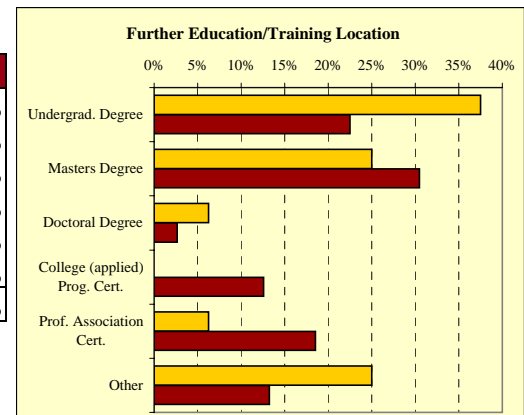
15.

Took further education since 2002 graduation	26.0101	UNBC
Yes:	16	153
Not currently enrolled	5	62
Currently enrolled full-time	10	61
Currently enrolled part-time	1	29
No	15	138
Total	31	291



16.

Type of Formal Post-Secondary Education	26.0101	UNBC
Undergraduate Degree	6	34
Masters Degree	4	46
Doctoral Degree	1	4
College (applied) Program Certification	-	19
Professional Association Certification	1	28
Other	4	20
Total Respondents	16	151

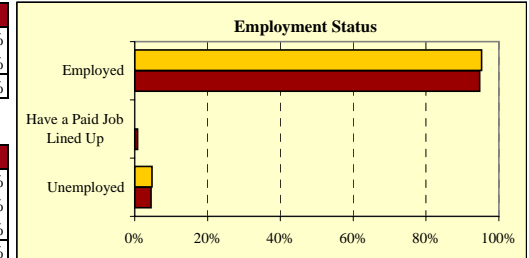


**Detailed Summary of Survey Results**  
**University of Northern British Columbia**  
**6 Digit CIP: 26.0101: Biology, General**

■ UNBC  
■ 26.0101

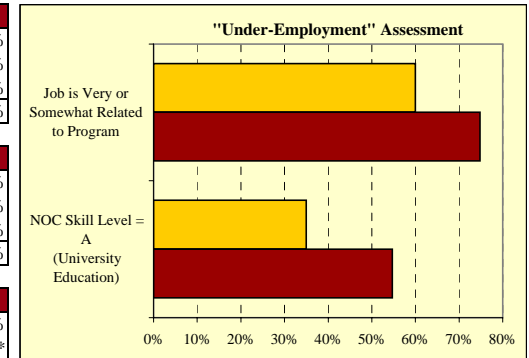
**EMPLOYMENT**

17. Labour Force Status:	26.0101	UNBC
In Labour Force (working or seeking work)	21 68%	247 85%
Not in Labour Force	10 32%	44 15%
Grand Total	31 100%	291 100%



18. Employment Status of those IN Labour Force:	26.0101	UNBC
Employed	20 95%	234 95%
Have a Paid Job Lined Up	- 0%	2 1%
Unemployed	1 5%	11 4%
Total Labour Force	21 100%	247 100%

19. Status of Graduates NOT in Labour Force:	26.0101	UNBC
Attending School FT	7 70%	30 68%
Attending School PT	- 0%	- 0%
Other	3 30%	14 32%
Total NOT in Labour Force	10 100%	44 100%

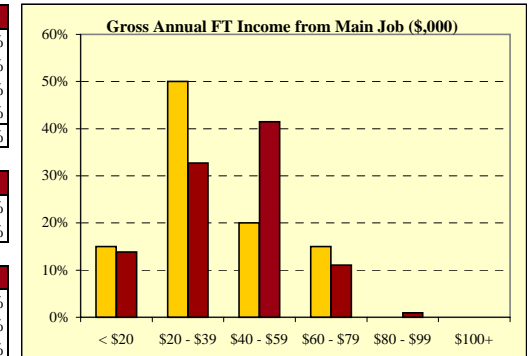


20. Employment Type:	26.0101	UNBC
Paid worker	17 85%	209 89%
Self-employed	1 5%	14 6%
Both a paid worker and self-employed	2 10%	11 5%
Total Employed	20 100%	234 100%

21. Job Characteristics:	26.0101	UNBC
I hold more than one job	4 20%*	41 18%
My main job is full-time (>= 30 hours per week)	16 80%**	195 84%*

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

22. How related is your main job to your program?	26.0101	UNBC
Very Related	9 45%	113 48%
Somewhat Related	3 15%	62 26%
Not Very Related	2 10%	17 7%
Not At All Related	6 30%	42 18%
Total	20 100%	234 100%



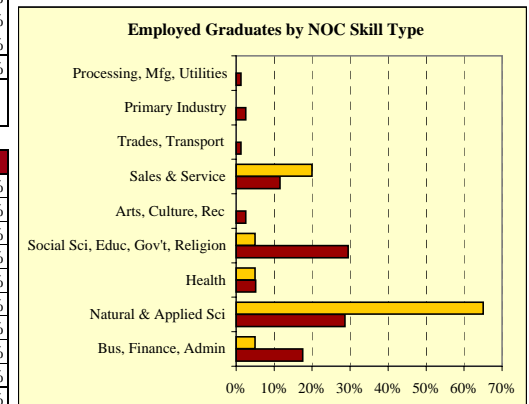
23. "Under-employment" Assessment:	26.0101	UNBC
Job is very or somewhat related to program	12 60%	175 75%
NOC Skill Level = A (University Education)	7 35%	128 55%

\* of total valid responses

24. Gross Annual Income from Main Job:*	26.0101	UNBC
Less than \$20,000	3 15%	30 14%
\$20,000 to \$39,999	10 50%	71 33%
\$40,000 to \$59,999	4 20%	90 41%
\$60,000 to \$79,999	3 15%	24 11%
\$80,000 to \$99,999	- 0%	2 1%
\$100,000 and Above	- 0%	- 0%
Total	20 100%	217 100%
Median Annual Income (full-time)	\$38,700	\$42,650
Average Annual Income (full-time)	\$40,538	\$44,312

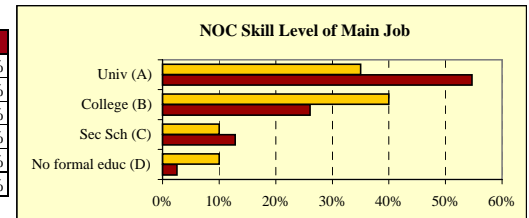
\* where data provided

25. NOC Skill Type of Main Job:	26.0101	UNBC
Business, Finance and Administration	1 5%	41 18%
Natural and Applied Sciences and Related	13 65%	67 29%
Health	1 5%	12 5%
Social Sciences, Educ., Gov't Services, Religion	1 5%	69 29%
Arts, Culture, Recreation and Sport	- 0%	6 3%
Sales and Service	4 20%	27 12%
Trades, Transport and Eqp. Operators and Related	- 0%	3 1%
Unique to the Primary Industry	- 0%	6 3%
Unique to Processing, Manufacturing and Utilities	- 0%	3 1%
Total	20 100%	234 100%

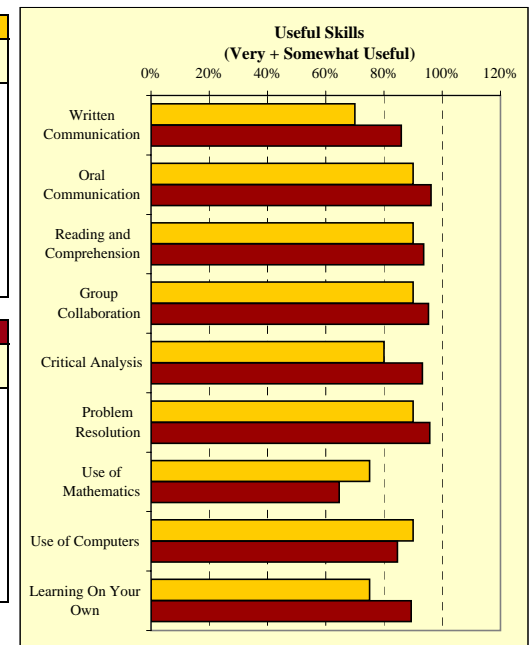


**EMPLOYMENT, continued**

26. NOC Skill Level of Main Job:	26.0101		UNBC	
A. University education	7	35%	128	55%
B. College education/trade apprenticeship	8	40%	61	26%
C. Secondary school + job-specific training	2	10%	30	13%
D. No formal education	2	10%	6	3%
No skill level assigned (management)	1	5%	9	4%
Total	20	100%	234	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	45%	25%	15%	15%	20
Oral Communication	70%	20%	10%	0%	20
Reading and Comprehension	65%	25%	3%	3%	20
Group Collaboration	60%	30%	5%	5%	20
Critical Analysis	70%	10%	15%	5%	20
Problem Resolution	55%	35%	5%	5%	20
Use of Mathematics Appropriate to Field	25%	50%	10%	15%	20
Use of Computers Appropriate to Field	50%	40%	0%	10%	20
Learning On Your Own	50%	25%	15%	10%	20



27b. How useful are the following skills and abilities in doing your main job?	UNBC				
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	# Resp.
Written Communication	68%	18%	7%	7%	234
Oral Communication	78%	18%	3%	1%	234
Reading and Comprehension	71%	23%	3%	2%	234
Group Collaboration	74%	21%	3%	2%	234
Critical Analysis	76%	17%	5%	2%	234
Problem Resolution	68%	28%	3%	1%	234
Use of Mathematics Appropriate to Field	30%	34%	22%	14%	232
Use of Computers Appropriate to Field	58%	26%	9%	6%	234
Learning On Your Own	66%	24%	8%	3%	234

28a. Top 10 Full-time Occupations of 26.0101 Graduates:			26.0101	
NOC	NOC Skill Level Description		% Employed FT in this Occ.**	Median FT Salary
2121	A Biologists & Related Scientists		25%	\$46,000
2221	B Biological Technicians		25%	\$38,400
*				
*				
*				
*				
*				
*				
*				

\*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 University of Northern British Columbia:			UNBC	
NOC	NOC Skill Level Description		% Employed FT in this Occ.**	Median FT Salary
2223	B Forestry Technologists & Technicians		5%	\$54,000
2122	A Forestry Professionals		5%	\$48,000
3152	A Registered Nurses		4%	\$54,600
4152	A Social Workers		4%	\$48,000
2121	A Biologists & Related Scientists		3%	\$46,712
1111	A Financial Auditors & Acnts		3%	\$40,000
1114	A Other Financial Officers		3%	\$36,500
4212	B Community & Social Srvc Workers		3%	\$34,242
4141	A Secondary School Teachers		3%	\$37,500
2221	B Biological Technicians		3%	\$35,125

\*data not displayed where n < 2

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

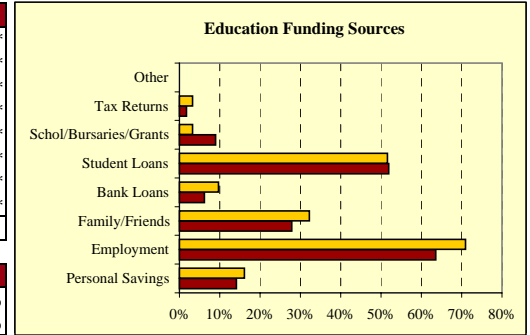
**EDUCATION FINANCING**

29. Education Funding Sources (2 sources per respondent):	26.0101		UNBC	
Personal Savings	5	16%*	41	14%*
Employment	22	71%*	185	64%*
Family/Friends	10	32%*	81	28%*
Bank Loans	3	10%*	18	6%*
Student Loans	16	52%*	151	52%*
Scholarships/Bursaries/Grants	1	3%*	26	9%*
Tax Returns	1	3%*	5	2%*
Other	-	0%*	-	0%*
<b>Total Respondents</b>	<b>31</b>		<b>291</b>	

\* Percentage of respondents who identified this source

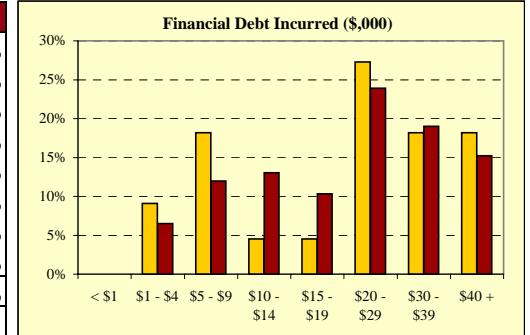
30. Financial Debt Incurred to Finance Univ. Education:	26.0101		UNBC	
Incurred any form of financial debt	22	71%*	184	63%
Incurred government-sponsored student loan debt	17	55%*	162	56%

\* Percentage of respondents who provided data



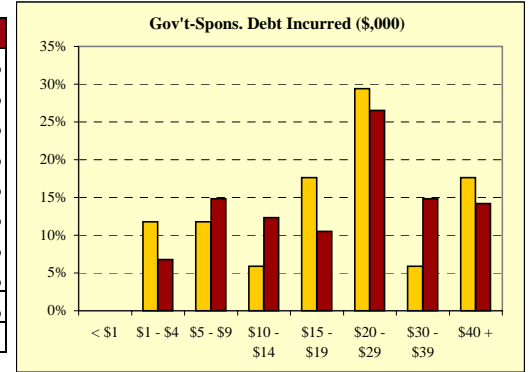
31. Financial Debt Amount:*	26.0101		UNBC	
< \$1,000	-	0%	-	0%
\$1,000 to \$4,999	2	9%	12	7%
\$5,000 to \$9,999	4	18%	22	12%
\$10,000 to \$14,999	1	5%	24	13%
\$15,000 to \$19,999	1	5%	19	10%
\$20,000 to \$29,999	6	27%	44	24%
\$30,000 to \$39,999	4	18%	35	19%
\$40,000 or More	4	18%	28	15%
<b>Total</b>	<b>22</b>	<b>100%</b>	<b>184</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$25,000</b>		<b>\$20,000</b>	

\*includes only cases where financial debt was incurred



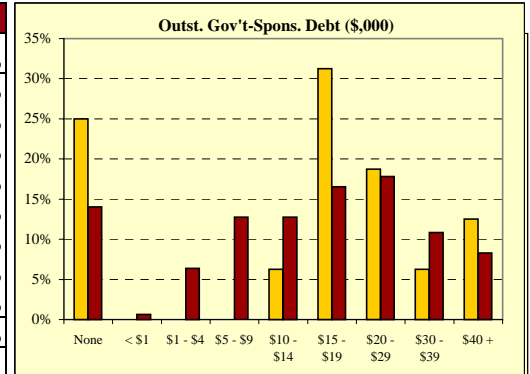
32. Government-Sponsored Student Loan Debt Amount:*	26.0101		UNBC	
< \$1,000	-	0%	-	0%
\$1,000 to \$4,999	2	12%	11	7%
\$5,000 to \$9,999	2	12%	24	15%
\$10,000 to \$14,999	1	6%	20	12%
\$15,000 to \$19,999	3	18%	17	10%
\$20,000 to \$29,999	5	29%	43	27%
\$30,000 to \$39,999	1	6%	24	15%
\$40,000 or More	3	18%	23	14%
<b>Total</b>	<b>17</b>	<b>100%</b>	<b>162</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$20,000</b>		<b>\$20,000</b>	

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



33. Outstanding Gov't-Sponsored Loan Debt Amount:*	26.0101		UNBC	
None - Loan repaid in full	4	25%	22	14%
< \$1,000	-	0%	1	1%
\$1,000 to \$4,999	-	0%	10	6%
\$5,000 to \$9,999	-	0%	20	13%
\$10,000 to \$14,999	1	6%	20	13%
\$15,000 to \$19,999	5	31%	26	17%
\$20,000 to \$29,999	3	19%	28	18%
\$30,000 to \$39,999	1	6%	17	11%
\$40,000 or More	2	13%	13	8%
<b>Total</b>	<b>16</b>	<b>100%</b>	<b>157</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$17,000</b>		<b>\$15,000</b>	

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



**SPECIAL EXTENDED SECTION ON EDUCATION FINANCING**

34. <b>Received Financial Support from Family:</b>	26.0101	UNBC		
No Financial Support from Family	11	35%	100	34%
Lived at home	4	13%	75	26%
Food	9	29%	98	34%
RESP	2	6%	19	7%
Direct Financial Support (cash)	14	45%	128	44%
Parental loan	5	16%	34	12%
Transportation	7	23%	66	23%
Gifts, Inheritance, Trusts	5	16%	37	13%

35. <b>Received/Accessed Financial Support from University:</b>	26.0101	UNBC		
No Financial Support from University	13	42%	161	55%
Entrance Scholarship	2	6%	23	8%
Other Scholarship	12	39%	69	24%
Bursary/Grant	11	35%	77	26%
Work Study	1	3%	8	3%

36. <b>Avg. Hours/Week Worked, and Percent of Students who Worked, to Afford Education:</b>	26.0101	UNBC		
Co-op Work Terms	45	14%	35	16%
During the Summer	44	97%	42	94%
During Term	14	43%	18	60%

37. <b>Total debt Incurred from Private Loans*:</b>	26.0101	UNBC		
None	11	48%	104	55%
< \$2,000	2	9%	8	4%
\$2,000 to \$4,999	4	17%	27	14%
\$5,000 to \$9,999	1	4%	23	12%
\$10,000 or more	5	22%	28	15%
<b>Total</b>	<b>23</b>	<b>100%</b>	<b>190</b>	<b>100%</b>
Median Private Loan Debt Incurred	\$5,250		\$5,000	

\*not including government sponsored student loans, but including credit card debt, bank loans, etc.

38. <b>Total Credit Card Debt Incurred:</b>	26.0101	UNBC		
None	6	50%*	30	35%*
< \$2,000	2	17%*	12	14%*
\$2,000 to \$4,999	3	25%*	23	27%*
\$5,000 to \$9,999	-	0%*	16	19%*
\$10,000 or more	1	8%*	5	6%*
<b>Total</b>	<b>12</b>	<b>100%*</b>	<b>86</b>	<b>100%*</b>
Median Credit Card Debt Incurred	\$2,000		\$3,000	

\* of those who incurred private debt

39. <b>Current Monthly Payment on All Debt Incurred:</b>	26.0101	UNBC		
Mean monthly payment *	\$186		\$227	
Median monthly payment *	\$199		\$214	

\*of those who incurred debt

40. <b>Accessibility:</b>	26.0101	UNBC		
Stopped out of studies/went part-time for financial reasons*	4	13%	38	13%
Unable to borrow enough from Student Loan Program*	9	29%	81	28%
Took more courses than desired to maintain FT Student stat	5	16%	34	12%
Accessed interest relief for debt**	10	43%	59	31%
Have had loan repayment period extended**	5	23%	40	22%
Have been in default on loan**	1	4%	16	8%
Have ever missed a loan payment**	4	17%	43	23%

\*at any time during program

\*\* of those who incurred debt

41. <b>Because of Education-related Debt, have:</b>	26.0101	UNBC		
Postponed other debt	2	9%*	57	30%*
Postponed major purchases (car, house)	9	39%*	116	61%*
Postponed major decisions (marriage, children)	6	26%*	70	37%*
Postponed further education	6	26%*	73	38%*
Taken a job which otherwise would not have accepted	7	30%*	58	30%*
Refused desired job because it didn't pay enough	5	22%*	49	26%*
Been less active in volunteer work	13	57%*	69	36%*
Been denied credit or other services	3	13%*	40	21%*

\* of those who incurred debt

