

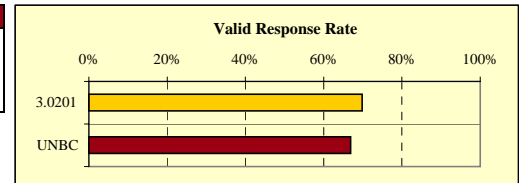
B.C. University Student Outcomes 2002 Survey of 2000 Baccalaureate Graduates

Detailed Summary of Survey Results
University of Northern British Columbia
6 Digit CIP: 03.0201: Natural Resources Management & Policy

UNBC
03.0201

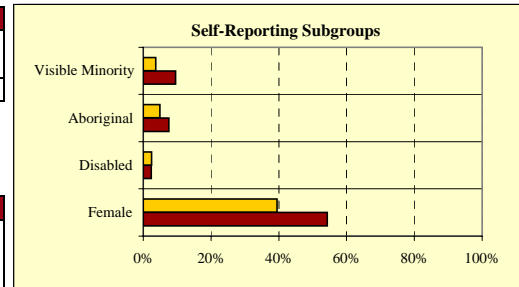
RESPONSE RATE

1. Survey Response Rate:	03.0201	UNBC
2000 Baccalaureate Graduates Survey Cohort	122	464
Net Frame	116	438
Survey Respondents and Valid Response Rate	81	293
	70%	67%



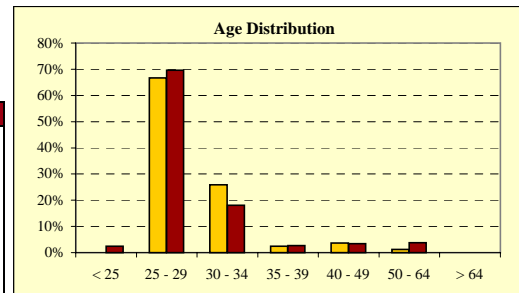
DEMOGRAPHIC INFORMATION

2. Gender:	03.0201	UNBC
Male	49	134
Female	32	159
Total	81	293
	100%	100%

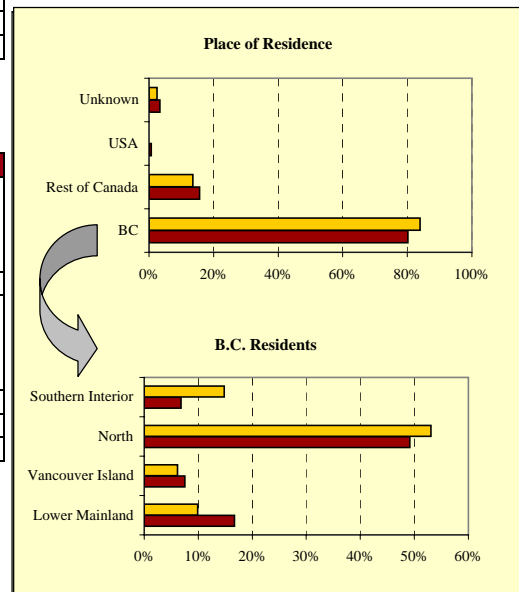


3. Self-Reporting Subgroups:	03.0201	UNBC
Disabled	2	7
Aboriginal	4	22
Visible Minority	3	28
	2%	8%
	4%	10%

4. Age (at time of survey):	03.0201	UNBC
< 25	-	7
25 to 29	54	204
30 to 34	21	53
35 to 39	2	8
40 to 49	3	10
50 to 64	1	11
> 64	-	-
Unknown	-	-
Total	81	293
Mean Age:	29.3	29.2



5. Place of Residence (at time of survey):	03.0201	UNBC
BC - Lower Mainland	8	49
BC - Vancouver Island	5	22
BC - North	43	144
BC - Southern Interior	12	20
BC Subtotal	68	235
Canada - Alberta	3	22
Canada - Ontario	5	13
Canada - Other	3	11
U.S.A.	-	2
Non-BC Subtotal	11	48
Unknown	2	10
Total	81	293
	100%	100%

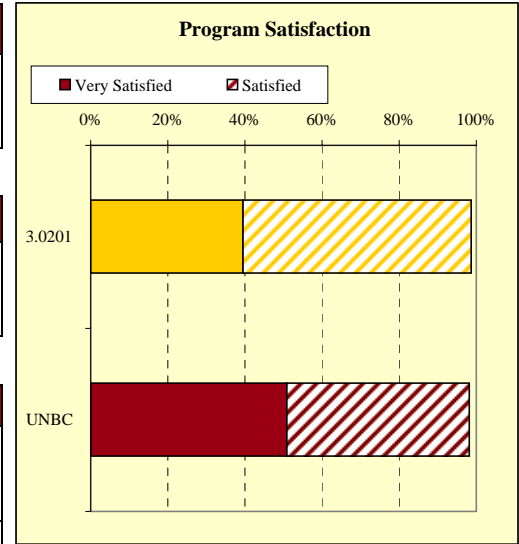


EDUCATION EVALUATION AND SKILL DEVELOPMENT

6. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Work:	03.0201		UNBC	
Very Useful	32	47%	114	50%
Somewhat Useful	30	44%	96	42%
Not Very Useful	3	4%	13	6%
Not at All Useful	3	4%	7	3%

7. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Day-to-day Life:	03.0201		UNBC	
Very Useful	16	23%	67	29%
Somewhat Useful	44	64%	143	62%
Not Very Useful	9	13%	19	8%
Not at All Useful	-	0%	2	1%

8. Program Satisfaction:	03.0201		UNBC	
Very Satisfied	32	40%	149	51%
Satisfied	48	59%	139	47%
Dissatisfied	1	1%	4	1%
Very Dissatisfied	-	0%	1	0%
Total	81	100%	293	100%



9. Would you select the same program again?	03.0201		UNBC	
Yes	56	73%	223	79%
No, because . . . (multiple response question)	21		60	
... interests have changed	2	8%*	11	14%*
... courses were not practical	1	4%*	10	13%*
... little or no career opportunities	10	40%*	27	35%*
... other	12	48%*	29	38%*

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

10. Quality of Instruction:	03.0201		UNBC	
Very Good	22	27%	114	39%
Good	56	69%	170	58%
Poor	3	4%	8	3%
Very Poor	-	0%	-	0%
Total	81	100%	292	100%

11. Comprehensiveness of Core Courses:	03.0201		UNBC	
Very Good	17	22%	81	29%
Good	47	61%	177	63%
Poor	11	14%	20	7%
Very Poor	2	3%	3	1%
Total	77	100%	281	100%

12. Course Availability:	03.0201		UNBC	
Encountered course availability problems	44	54%	136	46%

13. Degree Completion:	03.0201		UNBC	
Took longer than expected to complete degree	43	53%	125	43%
Top 4 reasons for prolonged degree completion (multiple response question):				
Personal or family reasons	1	2%*	8	5%*
Financial reasons / work	4	6%*	15	9%*
Change of major/program/specialization	2	3%*	10	6%*
Involvement in co-op program extended completion time	4	6%*	18	11%*
Other reason(s)	52	83%*	117	70%*

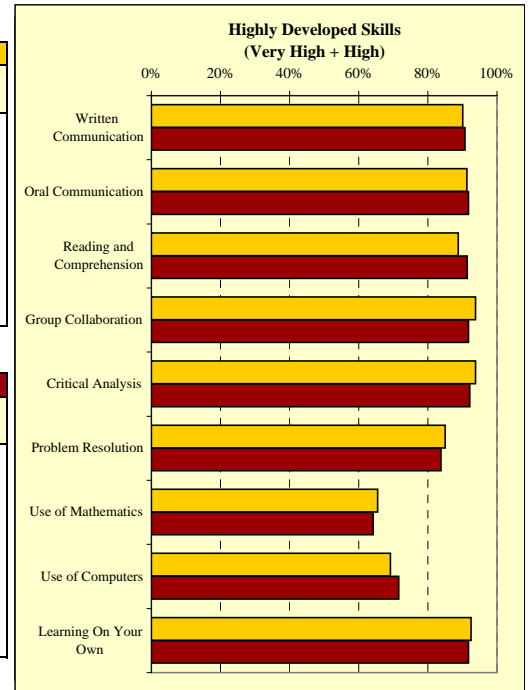
* Percent of total responses, among those who took longer than expected to complete degree



SKILL DEVELOPMENT

14a.

To what degree did university help you develop the following skills?	03.0201				
	Very High	High	Low	Very Low	# Resp.
	Written Communication	37%	53%	9%	1%
Oral Communication	39%	53%	9%	0%	80
Reading and Comprehension	33%	56%	9%	3%	80
Group Collaboration	51%	43%	6%	0%	80
Critical Analysis	40%	54%	5%	1%	81
Problem Resolution	21%	64%	15%	0%	80
Use of Mathematics Appropriate to Field	12%	53%	27%	7%	81
Use of Computers Appropriate to Field	16%	53%	26%	5%	81
Learning On Your Own	34%	59%	8%	0%	80



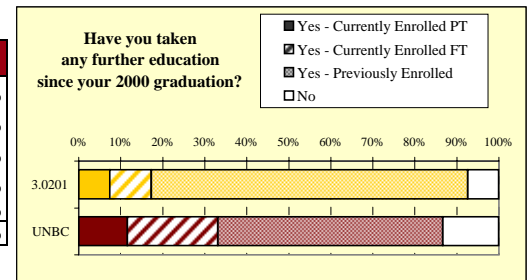
14b.

To what degree did university help you develop the following skills?	UNBC				
	Very High	High	Low	Very Low	# Resp.
	Written Communication	45%	46%	8%	2%
Oral Communication	40%	52%	8%	1%	291
Reading and Comprehension	41%	51%	7%	2%	291
Group Collaboration	38%	54%	7%	1%	291
Critical Analysis	50%	42%	6%	1%	293
Problem Resolution	25%	59%	16%	1%	290
Use of Mathematics Appropriate to Field	17%	47%	26%	10%	265
Use of Computers Appropriate to Field	23%	49%	24%	4%	281
Learning On Your Own	45%	47%	7%	1%	291

FURTHER EDUCATION

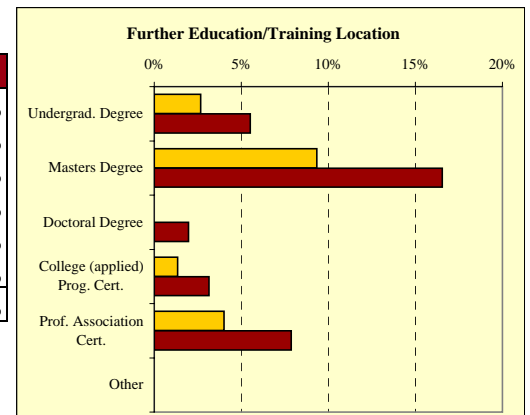
15.

Took further education since 2000 graduation	03.0201	UNBC
Yes:	75	254
Not currently enrolled	61	157
Currently enrolled full-time	8	63
Currently enrolled part-time	6	34
No	6	39
Total	81	293



16.

Type of Formal Post-Secondary Education	03.0201	UNBC
Undergraduate Degree	2	14
Masters Degree	7	42
Doctoral Degree	-	5
College (applied) Program Certification	1	8
Professional Association Certification	3	20
Other	-	-
Total Respondents	75	254

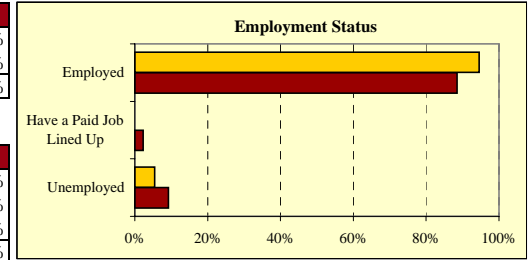


Detailed Summary of Survey Results
University of Northern British Columbia
6 Digit CIP: 03.0201: Natural Resources Management & Policy

■ UNBC
■ 03.0201

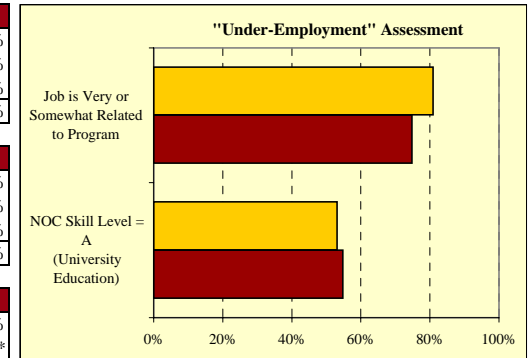
EMPLOYMENT

17. Labour Force Status:	03.0201	UNBC
In Labour Force (working or seeking work)	73 90%	261 89%
Not in Labour Force	8 10%	32 11%
Grand Total	81 100%	293 100%



18. Employment Status of those IN Labour Force:	03.0201	UNBC
Employed	69 95%	231 89%
Have a Paid Job Lined Up	- 0%	6 2%
Unemployed	4 5%	24 9%
Total Labour Force	73 100%	261 100%

19. Status of Graduates NOT in Labour Force:	03.0201	UNBC
Attending School FT	5 63%	23 72%
Attending School PT	- 0%	- 0%
Other	3 38%	9 28%
Total NOT in Labour Force	8 100%	32 100%

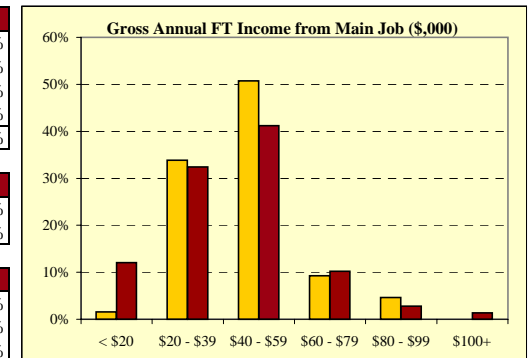


20. Employment Type:	03.0201	UNBC
Paid worker	60 87%	205 89%
Self-employed	4 6%	13 6%
Both a paid worker and self-employed	5 7%	13 6%
Total Employed	69 100%	231 100%

21. Job Characteristics:	03.0201	UNBC
I hold more than one job	10 14%*	41 18%
My main job is full-time (>= 30 hours per week)	65 96%**	190 83%**

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

22. How related is your main job to your program?	03.0201	UNBC
Very Related	39 57%	104 45%
Somewhat Related	16 24%	68 30%
Not Very Related	4 6%	21 9%
Not At All Related	9 13%	37 16%
Total	68 100%	230 100%

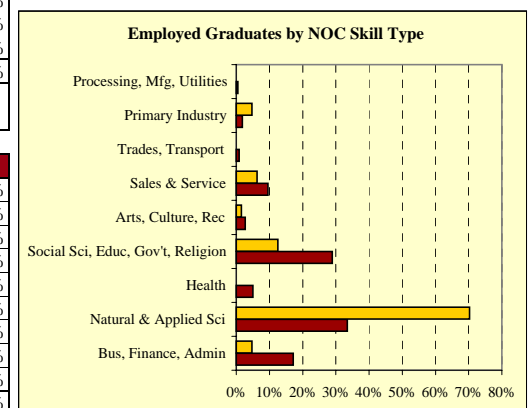


23. "Under-employment" Assessment:	03.0201	UNBC
Job is very or somewhat related to program	55 81%	172 75%
NOC Skill Level = A (University Education)	34 53%	121 55%

* of total valid responses

24. Gross Annual Income from Main Job:*	03.0201	UNBC
Less than \$20,000	1 2%	26 12%
\$20,000 to \$39,999	22 34%	70 32%
\$40,000 to \$59,999	33 51%	89 41%
\$60,000 to \$79,999	6 9%	22 10%
\$80,000 to \$99,999	3 5%	6 3%
\$100,000 and Above	- 0%	3 1%
Total	65 100%	216 100%
Median Annual Income (full-time)	\$45,000	\$42,950
Average Annual Income (full-time)	\$45,570	\$45,978

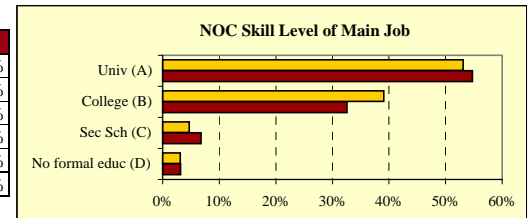
* where data provided



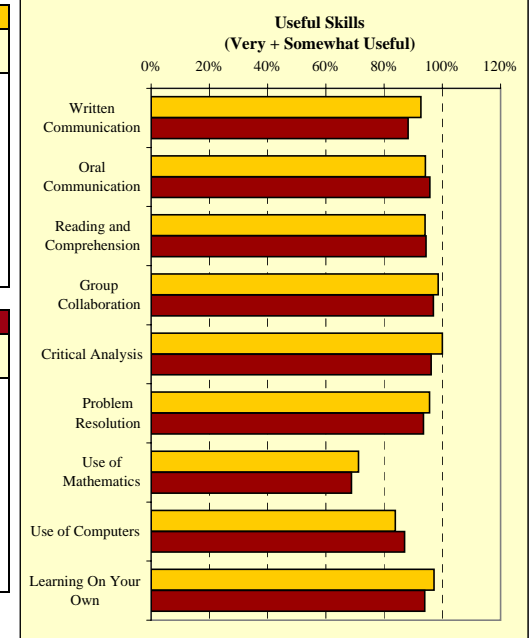
25. NOC Skill Type of Main Job:	03.0201	UNBC
Business, Finance and Administration	3 5%	38 17%
Natural and Applied Sciences and Related	45 70%	74 33%
Health	- 0%	11 5%
Social Sciences, Educ., Gov't Services, Religion	8 13%	64 29%
Arts, Culture, Recreation and Sport	1 2%	6 3%
Sales and Service	4 6%	21 10%
Trades, Transport and Eqp. Operators and Related	- 0%	2 1%
Unique to the Primary Industry	3 5%	4 2%
Unique to Processing, Manufacturing and Utilities	- 0%	1 0%
Total	64 100%	221 100%

EMPLOYMENT, continued

26. NOC Skill Level of Main Job:	03.0201		UNBC	
A. University education	34	53%	121	55%
B. College education/trade apprenticeship	25	39%	72	33%
C. Secondary school + job-specific training	3	5%	15	7%
D. No formal education	2	3%	7	3%
No skill level assigned (management)	-	0%	6	3%
Total	64	100%	221	100%



27a. How useful are the following skills and abilities in doing your main job?	03.0201				
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	# Resp.
Written Communication	71%	22%	4%	3%	68
Oral Communication	70%	25%	6%	0%	69
Reading and Comprehension	66%	28%	4%	1%	68
Group Collaboration	77%	22%	1%	0%	69
Critical Analysis	72%	28%	0%	0%	69
Problem Resolution	56%	40%	4%	0%	68
Use of Mathematics Appropriate to Field	30%	41%	23%	6%	66
Use of Computers Appropriate to Field	44%	40%	13%	3%	68
Learning On Your Own	61%	36%	0%	3%	69



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	67%	21%	7%	5%	229
Oral Communication	72%	23%	3%	2%	231
Reading and Comprehension	69%	26%	3%	1%	230
Group Collaboration	78%	19%	3%	0%	231
Critical Analysis	74%	23%	2%	2%	231
Problem Resolution	64%	29%	6%	1%	230
Use of Mathematics Appropriate to Field	33%	36%	18%	13%	215
Use of Computers Appropriate to Field	52%	35%	7%	6%	224
Learning On Your Own	70%	24%	3%	3%	230

28a. Top 10 Full-time Occupations of 3.0201 Graduates:			03.0201	
NOC	NOC Skill Level Description	% Employed FT in this Occ.**	Median FT Salary	
2122	A Forestry Professionals	26%	\$47,500	
2223	B Forestry Technologists & Technicians	22%	\$45,000	
2153	A Urban & Land Use Planners	6%	\$57,520	
2121	A Biologists & Related Scientists	6%	\$39,278	
8211	B Supervisors-Logging & Forestry	3%	\$43,500	
2224	B Conservation & Fishery Officers	3%	\$40,000	
4161	A Natural/App Sci Policy Rsrchrs	3%	\$39,284	
*				
*				
*				

*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	
2122	A Forestry Professionals	8%	\$47,500	
2223	B Forestry Technologists & Technicians	6%	\$45,000	
4212	B Community & Social Srvc Workers	4%	\$35,200	
1111	A Financial Auditors & Acnts	4%	\$51,000	
2121	A Biologists & Related Scientists	4%	\$41,600	
4141	A Secondary School Teachers	3%	\$36,950	
1232	B Loan Officers	3%	\$36,250	
3152	A Registered Nurses	3%	\$55,612	
1114	A Other Financial Officers	2%	\$50,000	
2174	A Computer Programmers/Interactive Media Developers	2%	\$51,500	

*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):	03.0201		UNBC	
Personal Savings	15	19%*	53	18%*
Employment	60	74%*	176	60%*
Family/Friends	14	17%*	79	27%*
Bank Loans	3	4%*	8	3%*
Student Loans	47	58%*	156	53%*
Scholarships/Bursaries/Grants	10	12%*	34	12%*
Tax Returns	-	0%*	3	1%*
Other	-	0%*	-	0%*
Total Respondents	81		293	

* Percentage of respondents who identified this source

30. Financial Debt Incurred to Finance Univ. Education:	03.0201		UNBC	
Incurred any form of financial debt	52	65%*	192	66%
Incurred government-sponsored student loan debt	47	60%*	169	59%

* Percentage of respondents who provided data

31. Financial Debt Amount:*	03.0201		UNBC	
< \$1,000	-	0%	1	1%
\$1,000 to \$4,999	1	2%	9	5%
\$5,000 to \$9,999	8	15%	31	16%
\$10,000 to \$14,999	8	15%	28	15%
\$15,000 to \$19,999	10	19%	21	11%
\$20,000 to \$29,999	11	21%	46	24%
\$30,000 to \$39,999	9	17%	30	16%
\$40,000 or More	5	10%	26	14%
Total	52	100%	192	100%
Median Financial Debt	\$18,000		\$20,000	

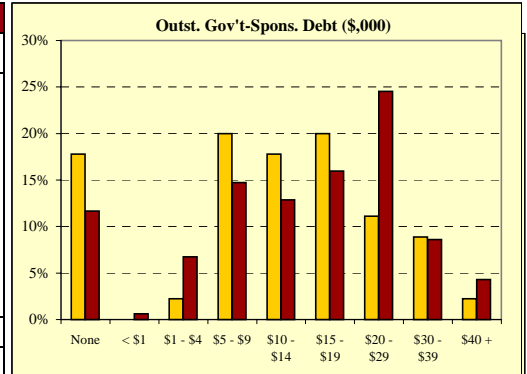
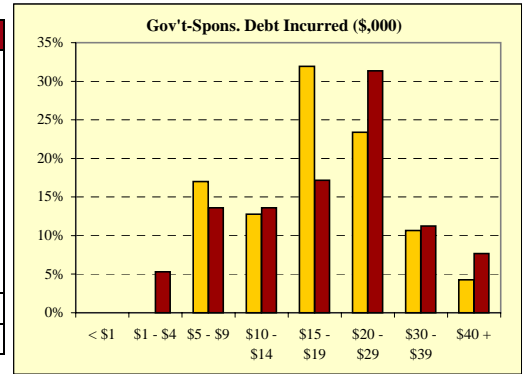
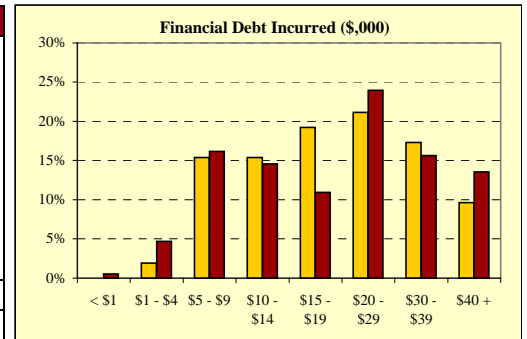
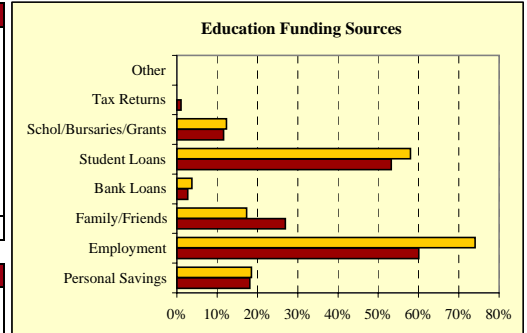
*includes only cases where financial debt was incurred

32. Government-Sponsored Student Loan Debt Amount:*	03.0201		UNBC	
< \$1,000	-	0%	-	0%
\$1,000 to \$4,999	-	0%	9	5%
\$5,000 to \$9,999	8	17%	23	14%
\$10,000 to \$14,999	6	13%	23	14%
\$15,000 to \$19,999	15	32%	29	17%
\$20,000 to \$29,999	11	23%	53	31%
\$30,000 to \$39,999	5	11%	19	11%
\$40,000 or More	2	4%	13	8%
Total	47	100%	169	100%
Median Gov't-Sponsored Student Loan Debt	\$16,000		\$20,000	

*includes only cases where government-sponsored debt was incurred

33. Outstanding Gov't-Sponsored Loan Debt Amount:*	03.0201		UNBC	
None - Loan repaid in full	8	18%	19	12%
< \$1,000	-	0%	1	1%
\$1,000 to \$4,999	1	2%	11	7%
\$5,000 to \$9,999	9	20%	24	15%
\$10,000 to \$14,999	8	18%	21	13%
\$15,000 to \$19,999	9	20%	26	16%
\$20,000 to \$29,999	5	11%	40	25%
\$30,000 to \$39,999	4	9%	14	9%
\$40,000 or More	1	2%	7	4%
Total	45	100%	163	100%
Median Gov't-Sponsored Loan Debt Outstanding	\$12,000		\$15,000	

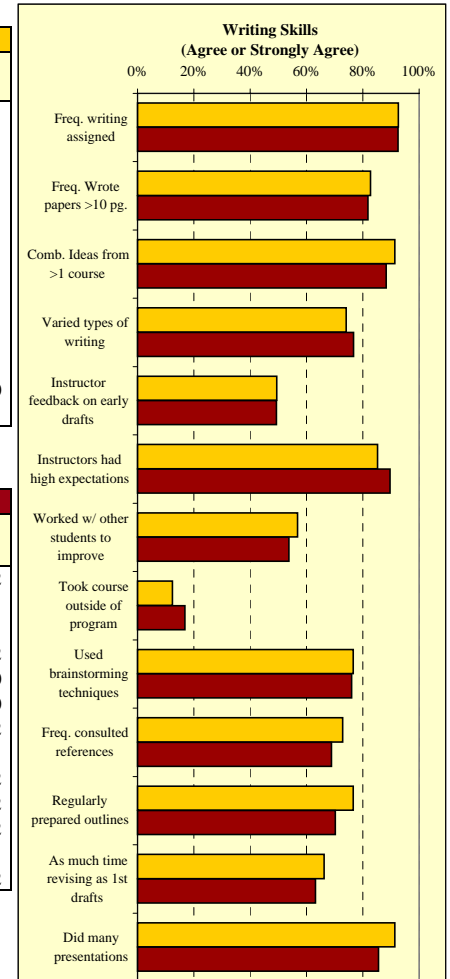
*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided



SPECIAL SECTION ON WRITING AND COMMUNICATION SKILLS

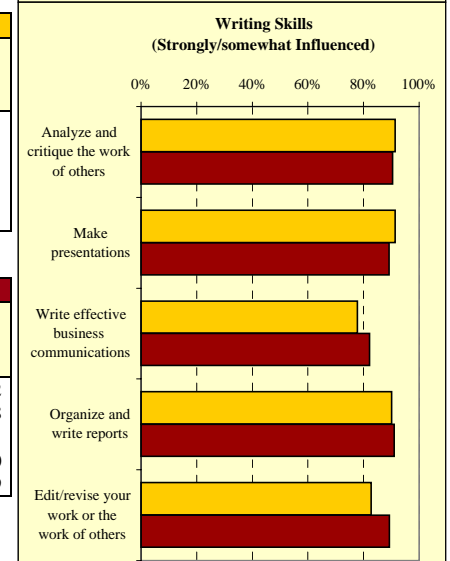
34a. To what extent do you agree or disagree with the following:	03.0201				# Resp.
	Strongly Agree	Agree	Disagree	Strongly Disagree	
Program included frequent writing assignments	62%	31%	7%	0%	81
Frequently wrote papers longer than 10 pages	35%	48%	17%	0%	81
Assignments combined ideas from >1 course	49%	42%	7%	1%	81
Assignments required varied types of writing	28%	46%	25%	1%	81
Instructors frequently commented on early drafts *	9%	41%	37%	14%	81
Instructors had high expectations *	42%	43%	12%	2%	81
Worked with other students to improve my writing	21%	36%	31%	12%	81
Took a writing course outside of my program	6%	6%	26%	62%	81
Learned & used techniques for coming up with ideas	15%	62%	15%	9%	81
Frequently consulted references on writing	26%	47%	19%	9%	81
Regularly prepared outlines prior to writing	40%	37%	17%	6%	81
Spent as much time revising as I did on first drafts	25%	41%	26%	8%	80
Was required to do many presentations	54%	37%	9%	0%	81

* "...with regard to my writing/writing assignments."



34b. To what extent do you agree or disagree with the following:	UNBC				# Resp.
	Strongly Agree	Agree	Disagree	Strongly Disagree	
Program included frequent writing assignments	68%	24%	8%	0%	292
Frequently wrote papers longer than 10 pages	44%	38%	17%	1%	291
Assignments combined ideas from >1 course	44%	45%	11%	1%	291
Assignments required varied types of writing	33%	43%	21%	2%	292
Instructors frequently commented on early drafts *	15%	34%	38%	13%	290
Instructors had high expectations *	49%	41%	9%	1%	290
Worked with other students to improve my writing	21%	33%	29%	17%	292
Took a writing course outside of my program	10%	7%	23%	60%	291
Learned & used techniques for coming up with ideas	22%	54%	17%	7%	292
Frequently consulted references on writing	28%	40%	22%	10%	292
Regularly prepared outlines prior to writing	39%	31%	22%	8%	292
Spent as much time revising as I did on first drafts	23%	40%	29%	8%	291
Was required to do many presentations	46%	39%	14%	0%	292

* "...with regard to my writing/writing assignments."



35a. To what extent have the writing and communication skills you gained in university positively influenced your ability to:	03.0201				# Resp.
	Strongly Influenced	Somewhat Influenced	Barely Influenced	Not at all Influenced	
Analyze and critique the work of others	37%	54%	7%	1%	81
Make presentations	69%	22%	7%	1%	81
Write effective memos, emails and other business	25%	53%	15%	7%	81
Organize and write reports	47%	43%	9%	1%	81
Edit/revise your work or the work of others	47%	36%	14%	4%	81

35a. To what extent have the writing and communication skills you gained in university positively influenced your ability to:	UNBC				# Resp.
	Strongly Influenced	Somewhat Influenced	Barely Influenced	Not at all Influenced	
Analyze and critique the work of others	42%	49%	8%	1%	292
Make presentations	58%	31%	9%	2%	288
Write effective memos, emails and other business	36%	46%	13%	5%	291
Organize and write reports	54%	37%	7%	2%	290
Edit/revise your work or the work of others	50%	39%	9%	2%	289