

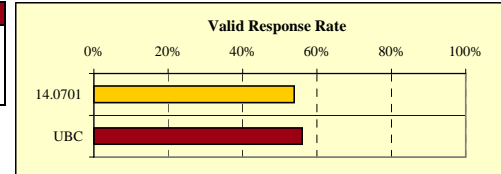
B.C. University Student Outcomes 2005 Survey of 2000 Baccalaureate Graduates

Detailed Summary of Survey Results
University of British Columbia
6 Digit CIP: 14.0701: Chemical Engineering

■ UBC
■ 14.0701

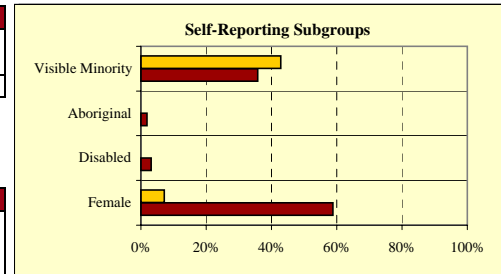
RESPONSE RATE

| 1. Survey Response Rate: | 14.0701 | UBC | |
|--|---------|-------|-----------|
| 2000 Baccalaureate Graduates Survey Cohort | 29 | 5,198 | |
| Net Frame | 26 | 4,005 | |
| Survey Respondents and Valid Response Rate | 14 | 54% | 2,244 56% |



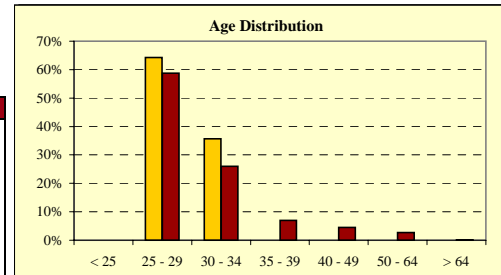
DEMOGRAPHIC INFORMATION

| 2. Gender: | 14.0701 | UBC | |
|------------|---------|------|------------|
| Male | 13 | 93% | 925 41% |
| Female | 1 | 7% | 1,319 59% |
| Total | 14 | 100% | 2,244 100% |

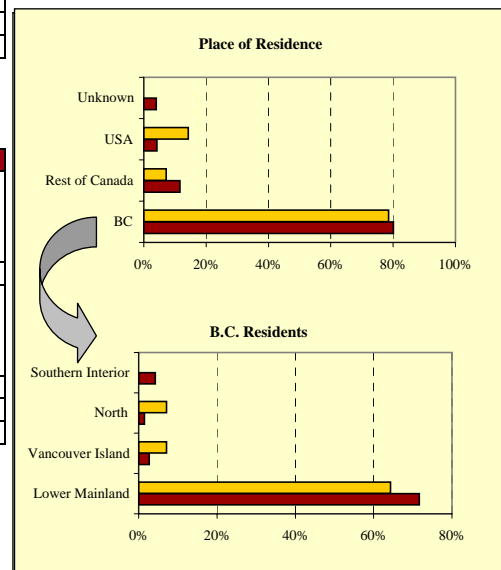


| 3. Self-Reporting Subgroups: | 14.0701 | UBC | |
|------------------------------|---------|-----|---------|
| Disabled | - | 0% | 70 3% |
| Aboriginal | - | 0% | 42 2% |
| Visible Minority | 6 | 43% | 803 36% |

| 4. Age (at time of survey): | 14.0701 | UBC | |
|-----------------------------|---------|------|------------|
| < 25 | - | 0% | 1 0% |
| 25 to 29 | 9 | 64% | 1,319 59% |
| 30 to 34 | 5 | 36% | 583 26% |
| 35 to 39 | - | 0% | 157 7% |
| 40 to 49 | - | 0% | 102 5% |
| 50 to 64 | - | 0% | 60 3% |
| > 64 | - | 0% | 2 0% |
| Unknown | - | 0% | 20 1% |
| Total | 14 | 100% | 2,244 100% |
| Mean Age: | 29.1 | | 30.9 |

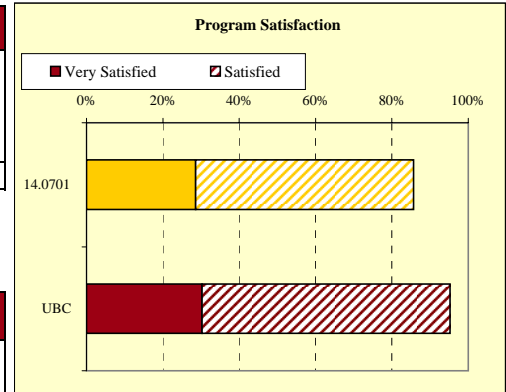


| 5. Place of Residence (at time of survey): | 14.0701 | UBC | |
|--|---------|------|------------|
| BC - Lower Mainland | 9 | 64% | 1,609 72% |
| BC - Vancouver Island | 1 | 7% | 61 3% |
| BC - North | 1 | 7% | 33 1% |
| BC - Southern Interior | - | 0% | 95 4% |
| BC Subtotal | 11 | 79% | 1,798 80% |
| Canada - Alberta | - | 0% | 83 4% |
| Canada - Ontario | 1 | 7% | 125 6% |
| Canada - Other | - | 0% | 52 2% |
| U.S.A. | 2 | 14% | 95 4% |
| Non-BC Subtotal | 3 | 21% | 355 16% |
| Unknown | - | 0% | 91 4% |
| Total | 14 | 100% | 2,244 100% |

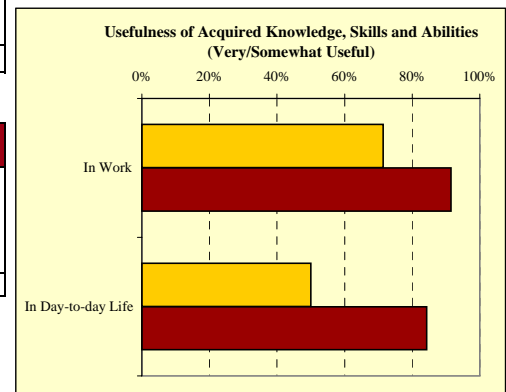


EDUCATION EVALUATION

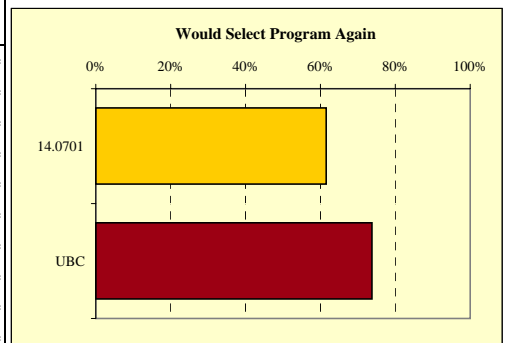
| 8. Program Satisfaction: | 14.0701 | | UBC | |
|--------------------------|---------|------|-------|------|
| Very Satisfied | 4 | 29% | 675 | 30% |
| Satisfied | 8 | 57% | 1,453 | 65% |
| Dissatisfied | 2 | 14% | 88 | 4% |
| Very Dissatisfied | - | 0% | 17 | 1% |
| Total | 14 | 100% | 2,233 | 100% |



| 6. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Work: | 14.0701 | | UBC | |
|---|---------|------|-------|------|
| Very Useful | 5 | 36% | 913 | 47% |
| Somewhat Useful | 5 | 36% | 847 | 44% |
| Not Very Useful | 3 | 21% | 120 | 6% |
| Not at All Useful | 1 | 7% | 44 | 2% |
| Total | 14 | 100% | 1,924 | 100% |



| 7. Usefulness of Knowledge, Skills, and Abilities Acquired at University in Day-to-day Life: | 14.0701 | | UBC | |
|--|---------|------|-------|------|
| Very Useful | - | 0% | 532 | 28% |
| Somewhat Useful | 7 | 50% | 1,087 | 57% |
| Not Very Useful | 4 | 29% | 250 | 13% |
| Not at All Useful | 3 | 21% | 51 | 3% |
| Total | 14 | 100% | 1,920 | 100% |



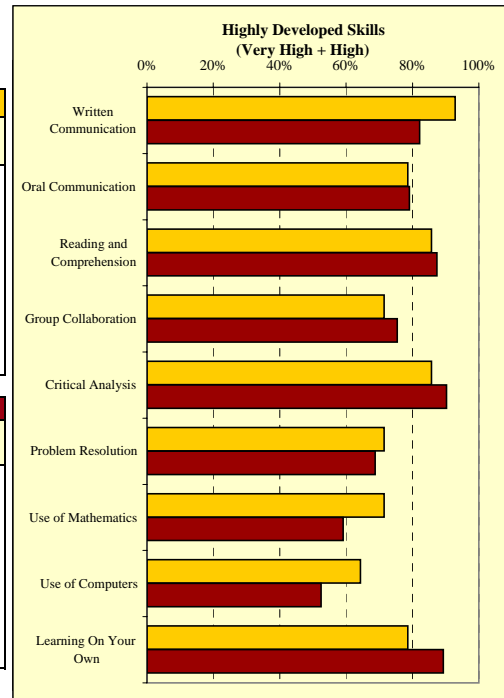
| 9. Would you select the same program again? | 14.0701 | | UBC | |
|--|---------|------|-------|------|
| Yes | 8 | 62% | 1,606 | 74% |
| No, because . . . (multiple response question) | 5 | | 571 | |
| . . . interests have changed | - | 0%* | 201 | 28%* |
| . . . courses were not practical | 1 | 14%* | 115 | 16%* |
| . . . little or no career opportunities | 5 | 71%* | 228 | 32%* |
| . . . not enough course variety | - | 0%* | 8 | 1%* |
| . . . skills acquired were not very useful | 1 | 14%* | 34 | 5%* |
| . . . courses were poorly taught | - | 0%* | 23 | 3%* |
| . . . program was too general | - | 0%* | 62 | 9%* |
| . . . did not agree with grading system | - | 0%* | 6 | 1%* |
| . . . did not like institution | - | 0%* | 16 | 2%* |
| . . . other | - | 0%* | 26 | 4%* |

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

SKILL DEVELOPMENT

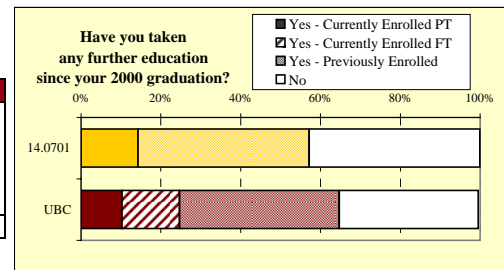
| 14a. To what degree did university help you develop the following skills? | 14.0701 | | | | |
|---|-----------|------|-----|----------|---------|
| | Very High | High | Low | Very Low | # Resp. |
| Written Communication | 21% | 71% | 0% | 7% | 14 |
| Oral Communication | 7% | 71% | 14% | 7% | 14 |
| Reading and Comprehension | 21% | 64% | 14% | 0% | 14 |
| Group Collaboration | 14% | 57% | 29% | 0% | 14 |
| Critical Analysis | 36% | 50% | 14% | 0% | 14 |
| Problem Resolution | 7% | 64% | 29% | 0% | 14 |
| Use of Mathematics Appropriate to Field | 21% | 50% | 29% | 0% | 14 |
| Use of Computers Appropriate to Field | 7% | 57% | 36% | 0% | 14 |
| Learning On Your Own | 29% | 50% | 14% | 7% | 14 |

| 14b. To what degree did university help you develop the following skills? | UBC | | | | |
|---|-----------|------|-----|----------|---------|
| | Very High | High | Low | Very Low | # Resp. |
| Written Communication | 22% | 60% | 16% | 2% | 2,179 |
| Oral Communication | 18% | 61% | 20% | 1% | 2,194 |
| Reading and Comprehension | 25% | 63% | 12% | 1% | 2,178 |
| Group Collaboration | 19% | 57% | 23% | 1% | 2,160 |
| Critical Analysis | 32% | 58% | 9% | 1% | 2,215 |
| Problem Resolution | 11% | 58% | 29% | 2% | 2,160 |
| Use of Mathematics Appropriate to Field | 16% | 43% | 34% | 6% | 1,747 |
| Use of Computers Appropriate to Field | 12% | 40% | 40% | 8% | 1,947 |
| Learning On Your Own | 28% | 61% | 10% | 1% | 2,189 |

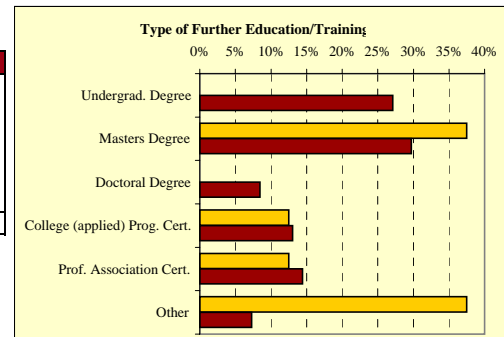


FURTHER EDUCATION

| 15. Took further formal education since 2000 graduation | 14.0701 | UBC |
|---|-----------|--------------|
| Yes: | 8 (57%) | 1,462 (65%) |
| Not currently enrolled | 6 (43%) | 898 (40%) |
| Currently enrolled full-time | - (0%) | 325 (14%) |
| Currently enrolled part-time | 2 (14%) | 230 (10%) |
| No | 6 (43%) | 782 (35%) |
| Total | 14 (100%) | 2,244 (100%) |

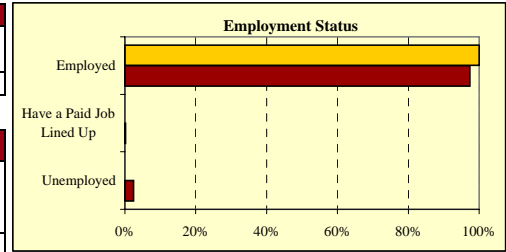


| 16. Type of Formal Post-Secondary Education | 14.0701 | UBC |
|---|-----------|--------------|
| Undergraduate Degree | - (0%) | 391 (27%) |
| Masters Degree | 3 (38%) | 429 (30%) |
| Doctoral Degree | - (0%) | 122 (8%) |
| College (applied) Program Certification | 1 (13%) | 188 (13%) |
| Professional Association Certification | 1 (13%) | 208 (14%) |
| Other | 3 (38%) | 105 (7%) |
| Total Respondents | 22 (276%) | 1,443 (100%) |



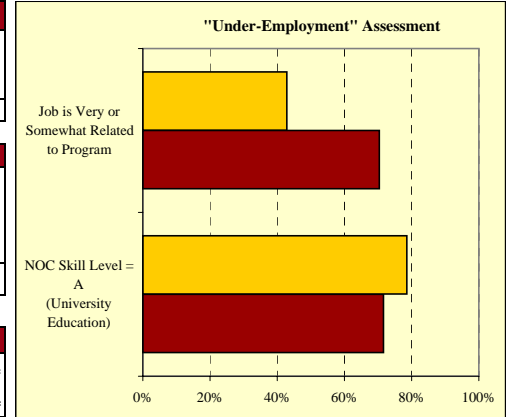
EMPLOYMENT

| 17. Labour Force Status: | 14.0701 | UBC |
|---|---------|------------|
| In Labour Force (working or seeking work) | 14 100% | 1,978 88% |
| Not in Labour Force | - 0% | 265 12% |
| Grand Total | 14 100% | 2,243 100% |



| 18. Employment Status of those IN Labour Force: | 14.0701 | UBC |
|---|---------|------------|
| Employed | 14 100% | 1,926 97% |
| Have a Paid Job Lined Up | - 0% | 3 0% |
| Unemployed | - 0% | 49 2% |
| Total Labour Force | 14 100% | 1,978 100% |

| 19. Status of Graduates NOT in Labour Force: | 14.0701 | UBC |
|--|---------|----------|
| Attending School FT | N/A | 171 65% |
| Attending School PT | N/A | 6 2% |
| Other | N/A | 88 33% |
| Total NOT in Labour Force | - | 265 100% |

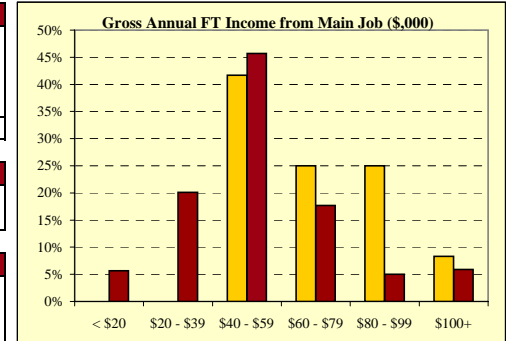


| 20. Employment Type: | 14.0701 | UBC |
|--------------------------------------|---------|------------|
| Paid worker | 14 100% | 1,706 89% |
| Self-employed | - 0% | 153 8% |
| Both a paid worker and self-employed | - 0% | 67 3% |
| Total Employed | 14 100% | 1,926 100% |

| 21. Job Characteristics: | 14.0701 | UBC |
|---|-----------|-------------|
| I hold more than one job | 1 7%* | 243 13%* |
| My main job is full-time (>= 30 hours per week) | 14 100%** | 1,655 88%** |

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

| 22. How related is your main job to your program? | 14.0701 | UBC |
|---|---------|------------|
| Very Related | 4 29% | 844 44% |
| Somewhat Related | 2 14% | 511 27% |
| Not Very Related | 5 36% | 248 13% |
| Not At All Related | 3 21% | 322 17% |
| Total | 14 100% | 1,925 100% |

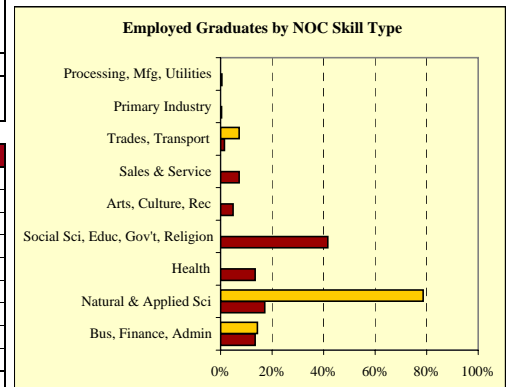


| 23. "Under-employment" Assessment: | 14.0701 | UBC |
|--|---------|-----------|
| Job is very or somewhat related to program | 6 43% | 1,355 70% |
| NOC Skill Level = A (University Education) | 11 79% | 1,376 72% |

* of total valid responses

| 24. Gross Annual Income from Main Job:* | 14.0701 | UBC |
|---|----------|------------|
| Less than \$20,000 | - 0% | 99 6% |
| \$20,000 to \$39,999 | - 0% | 350 20% |
| \$40,000 to \$59,999 | 5 42% | 796 46% |
| \$60,000 to \$79,999 | 3 25% | 308 18% |
| \$80,000 to \$99,999 | 3 25% | 87 5% |
| \$100,000 and Above | 1 8% | 103 6% |
| Total | 12 100% | 1,743 100% |
| Median Annual Income (full-time) | \$70,500 | \$50,000 |
| Average Annual Income (full-time) | \$74,967 | \$56,514 |

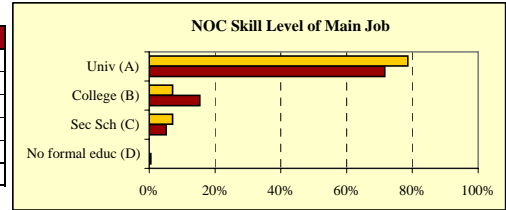
* where data provided



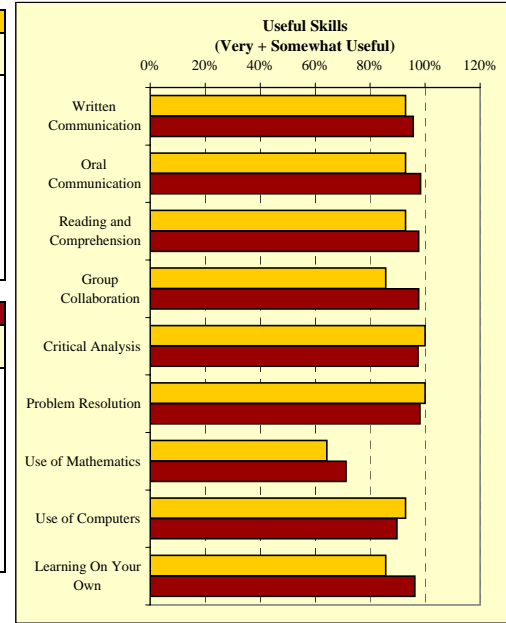
| 25. NOC Skill Type of Main Job: | 14.0701 | UBC |
|---|---------|------------|
| Business, Finance and Administration | 2 14% | 257 13% |
| Natural and Applied Sciences and Related | 11 79% | 328 17% |
| Health | - 0% | 256 13% |
| Social Sciences, Educ., Gov't Services, Religion | - 0% | 795 42% |
| Arts, Culture, Recreation and Sport | - 0% | 93 5% |
| Sales and Service | - 0% | 138 7% |
| Trades, Transport and Eqp. Operators and Related | 1 7% | 28 1% |
| Unique to the Primary Industry | - 0% | 7 0% |
| Unique to Processing, Manufacturing and Utilities | - 0% | 9 0% |
| Total | 14 100% | 1,911 100% |

EMPLOYMENT, continued

| 26. NOC Skill Level of Main Job: | 14.0701 | | UBC | |
|---|-----------|-------------|--------------|-------------|
| A. University education | 11 | 79% | 1,376 | 72% |
| B. College education/trade apprenticeship | 1 | 7% | 296 | 15% |
| C. Secondary school + job-specific training | 1 | 7% | 99 | 5% |
| D. No formal education | - | 0% | 9 | 0% |
| No skill level assigned (management) | 1 | 7% | 142 | 7% |
| Total | 14 | 100% | 1,922 | 100% |



| 27a. How useful are the following skills and abilities in doing your main job? | 14.0701 | | | | |
|--|-------------|-----------------|-----------------|-------------------|---------|
| | Very Useful | Somewhat Useful | Not Very Useful | Not at all Useful | # Resp. |
| Written Communication | 79% | 14% | 7% | 0% | 14 |
| Oral Communication | 57% | 36% | 7% | 0% | 14 |
| Reading and Comprehension | 43% | 50% | 7% | 0% | 14 |
| Group Collaboration | 50% | 36% | 7% | 7% | 14 |
| Critical Analysis | 79% | 21% | 0% | 0% | 14 |
| Problem Resolution | 57% | 43% | 0% | 0% | 14 |
| Use of Mathematics Appropriate to Field | 21% | 43% | 29% | 7% | 14 |
| Use of Computers Appropriate to Field | 57% | 36% | 0% | 7% | 14 |
| Learning On Your Own | 64% | 21% | 14% | 0% | 14 |



| 27b. How useful are the following skills and abilities in doing your main job? | UBC | | | | |
|--|-------------|-----------------|-----------------|-------------------|---------|
| | Very Useful | Somewhat Useful | Not Very Useful | Not at all Useful | # Resp. |
| Written Communication | 76% | 20% | 3% | 2% | 1,925 |
| Oral Communication | 87% | 12% | 1% | 0% | 1,925 |
| Reading and Comprehension | 80% | 18% | 2% | 0% | 1,925 |
| Group Collaboration | 81% | 16% | 2% | 1% | 1,924 |
| Critical Analysis | 81% | 16% | 2% | 0% | 1,925 |
| Problem Resolution | 82% | 17% | 2% | 0% | 1,925 |
| Use of Mathematics Appropriate to Field | 31% | 40% | 15% | 14% | 1,915 |
| Use of Computers Appropriate to Field | 59% | 31% | 5% | 5% | 1,924 |
| Learning On Your Own | 74% | 22% | 3% | 1% | 1,925 |

| 28a. Top 10 Full-time Occupations of 14.0701 Graduates: | | 14.0701 | |
|---|-----------------------------|------------------------------|------------------|
| NOC | NOC Skill Level Description | % Employed FT in this Occ.** | Median FT Salary |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |

*data not displayed where n < 5

**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 British Columbia: | | UBC | |
|---|---|------------------------------|------------------|
| NOC | NOC Skill Level Description | % Employed FT in this Occ.** | Median FT Salary |
| 4141 | A Secondary School Teachers | 12.2% | \$46,000 |
| 4142 | A Elem & Kindergarten Teacher | 8.3% | \$45,500 |
| 4112 | A Lawyers & Quebec Notaries | 5.3% | \$75,000 |
| 3152 | A Registered Nurses | 2.3% | \$61,000 |
| 2174 | A Computer Programmers/Interactive Media Developers | 2.2% | \$55,000 |
| 2131 | A Civil Engineers | 1.8% | \$55,000 |
| 3112 | A General Practitioners | 1.6% | \$47,000 |
| 1111 | A Financial Auditors & Acnts | 1.6% | \$51,000 |
| 3131 | A Pharmacists | 1.5% | \$80,000 |
| 2171 | A Information Systems Analysts and Consultants | 1.3% | \$64,000 |

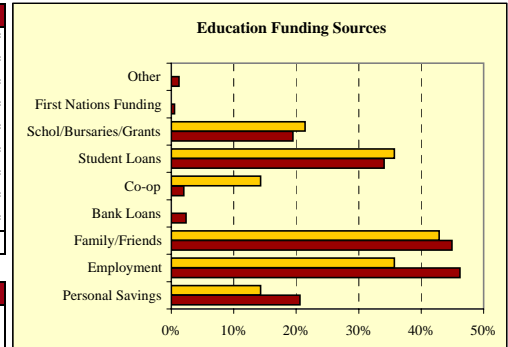
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**percentages cited are of those for whom occupational data was provided, full-time and part-time

EDUCATION FINANCING

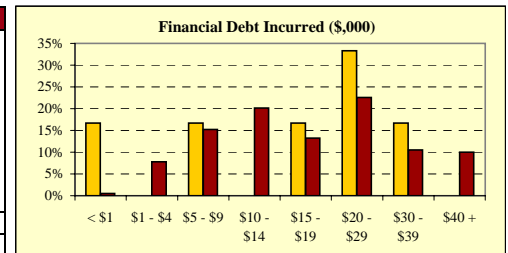
| 29. Education Funding Sources (2 sources per respondent): | 14.0701 | UBC |
|---|-----------|--------------|
| Personal Savings | 2 14%* | 462 21%* |
| Employment | 5 36%* | 1,037 46%* |
| Family/Friends | 6 43%* | 1,008 45%* |
| Bank Loans | - 0%* | 53 2%* |
| Student Loans | 5 36%* | 765 34%* |
| Scholarships/Bursaries/Grants | 3 21%* | 437 19%* |
| Co-op | 2 14%* | 45 2%* |
| First Nations Funding | - 0%* | 12 1%* |
| Other | - 0%* | 28 1%* |
| Total Respondents | 14 | 2,244 |

* Percentage of respondents who identified this source



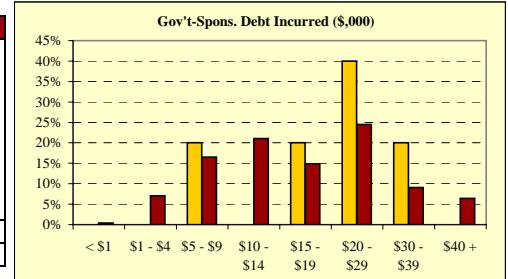
| 30. Financial Debt Incurred to Finance Univ. Education: | 14.0701 | UBC |
|---|---------|---------|
| Incurred any form of financial debt | 6 43%* | 922 41% |
| Incurred government-sponsored student loan debt | 5 36%* | 792 35% |

* Percentage of respondents who provided data



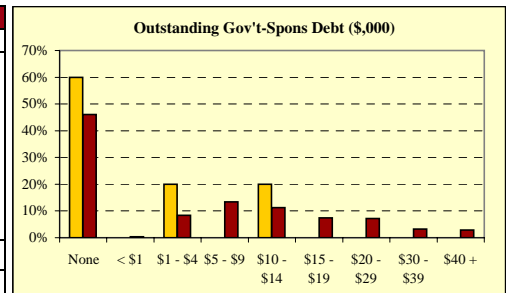
| 31. Financial Debt Amount:* | 14.0701 | UBC |
|------------------------------|-----------------|-----------------|
| < \$1,000 | 1 17% | 5 1% |
| \$1,000 to \$4,999 | - 0% | 72 8% |
| \$5,000 to \$9,999 | 1 17% | 140 15% |
| \$10,000 to \$14,999 | - 0% | 186 20% |
| \$15,000 to \$19,999 | 1 17% | 122 13% |
| \$20,000 to \$29,999 | 2 33% | 208 23% |
| \$30,000 to \$39,999 | 1 17% | 97 11% |
| \$40,000 or More | - 0% | 92 10% |
| Total | 6 100% | 922 100% |
| Median Financial Debt | \$17,500 | \$15,000 |

*includes only cases where financial debt was incurred



| 32. Government-Sponsored Student Loan Debt Amount:* | 14.0701 | UBC |
|---|-----------------|-----------------|
| < \$1,000 | - 0% | 3 0% |
| \$1,000 to \$4,999 | - 0% | 56 7% |
| \$5,000 to \$9,999 | 1 20% | 131 17% |
| \$10,000 to \$14,999 | - 0% | 167 21% |
| \$15,000 to \$19,999 | 1 20% | 118 15% |
| \$20,000 to \$29,999 | 2 40% | 194 24% |
| \$30,000 to \$39,999 | 1 20% | 72 9% |
| \$40,000 or More | - 0% | 51 6% |
| Total | 5 100% | 792 100% |
| Median Gov't-Sponsored Student Loan Debt | \$20,000 | \$15,000 |

*includes only cases where government-sponsored debt was incurred



| 33. Outstanding Gov't-Sponsored Loan Debt Amount:* | 14.0701 | UBC |
|---|---------------|-----------------|
| None - Loan repaid in full | 3 60% | 341 46% |
| < \$1,000 | - 0% | 3 0% |
| \$1,000 to \$4,999 | 1 20% | 62 8% |
| \$5,000 to \$9,999 | - 0% | 99 13% |
| \$10,000 to \$14,999 | 1 20% | 83 11% |
| \$15,000 to \$19,999 | - 0% | 55 7% |
| \$20,000 to \$29,999 | - 0% | 53 7% |
| \$30,000 to \$39,999 | - 0% | 24 3% |
| \$40,000 or More | - 0% | 21 3% |
| Total | 5 100% | 741 100% |
| Median Gov't-Sponsored Loan Debt Outstanding | \$0 | \$2,500 |

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

SPECIAL SECTION ON CITIZENSHIP

| 34. To what extent did your university experience lead you to develop and use effective leadership skills? | 14.0701 | | UBC | |
|--|-----------|-------------|--------------|-------------|
| To a great extent | 1 | 7% | 517 | 23% |
| To some extent | 6 | 43% | 1,105 | 49% |
| To a small extent | 7 | 50% | 466 | 21% |
| To no extent at all | - | 0% | 154 | 7% |
| Total | 14 | 100% | 2,242 | 100% |

| 35. To what extent did your university experience lead you to appreciate your rights, responsibilities and privileges as a citizen? | 14.0701 | | UBC | |
|---|-----------|-------------|--------------|-------------|
| To a great extent | 1 | 7% | 541 | 24% |
| To some extent | 4 | 29% | 1,064 | 47% |
| To a small extent | 6 | 43% | 453 | 20% |
| To no extent at all | 3 | 21% | 178 | 8% |
| Total | 14 | 100% | 2,236 | 100% |

| 36. In the past 12 months, as an unpaid volunteer, have you... | 14.0701 | | UBC | |
|--|---------|-----|-------|-----|
| worked for any type of organization? | 8 | 57% | 1,248 | 56% |
| done any canvassing, campaigning or fundraising? | 4 | 50% | 524 | 42% |
| done any coaching, mentoring or tutoring? | 4 | 50% | 791 | 64% |
| engaged in any activities aimed at bringing about social or environmental change? | 2 | 25% | 594 | 48% |
| helped organize or supervise activities or events for an organization? | 4 | 50% | 847 | 68% |
| done any consulting, executive, office or administrative work? | 2 | 25% | 411 | 33% |
| collected, served or delivered food or other goods? | 3 | 38% | 329 | 26% |
| been involved in the identification and description of practical community problems? | - | 0% | 310 | 25% |
| Average hours volunteered over last 12 months * | 56 | | 117 | |

*includes only cases where volunteer activity was reported

| 37. To what extent did your entire university experience – including extra-curricular and social activities – motivate you to participate in volunteering? * | 14.0701 | | UBC | |
|--|----------|-------------|--------------|-------------|
| To a great extent | - | 0% | 169 | 14% |
| To some extent | - | 0% | 415 | 33% |
| To a small extent | 1 | 13% | 332 | 27% |
| To no extent at all | 7 | 88% | 329 | 26% |
| Total | 8 | 100% | 1,245 | 100% |

*includes only cases where volunteer activity was reported

| 38. Are you a member or participant in... | 14.0701 | | UBC | |
|--|---------|-----|-------|-----|
| a work-related organization such as a union or professional association? | 8 | 57% | 1,427 | 64% |
| a political organization? | - | 0% | 137 | 6% |
| a cultural, education or hobby organization? | 2 | 14% | 721 | 32% |
| a sports or recreation organization? | 6 | 43% | 930 | 41% |
| a religious-affiliated group? | 4 | 29% | 455 | 20% |
| a school group, a neighbourhood, civic or community association? | 2 | 14% | 486 | 22% |
| Avg. charitable contributions over last 12 months * | \$1,681 | | \$687 | |

*includes only cases where financial contributions were reported

| 39. To what extent did your entire university experience – including extra-curricular and social activities – motivate you to contribute financially to charitable or non-profit organizations? | 14.0701 | | UBC | |
|---|-----------|-------------|--------------|-------------|
| To a great extent | - | 0% | 81 | 5% |
| To some extent | 2 | 20% | 385 | 22% |
| To a small extent | 1 | 10% | 492 | 28% |
| To no extent at all | 7 | 70% | 806 | 46% |
| Total | 10 | 100% | 1,764 | 100% |

