

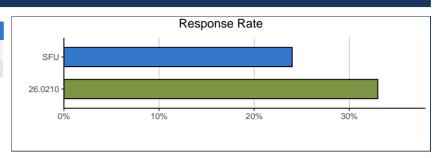
# B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

26.0210 26.0210

Detailed Summary of Survey Results
Simon Fraser University
26.0210: Biochemistry and molecular biology

### RESPONSE RATE

| Survey Response Rate:                 | 26.0210 |      | SFU   |      |
|---------------------------------------|---------|------|-------|------|
| Baccalaureate Graduates Survey Cohort | 79      | 100% | 5,128 | 100% |
| Survey Respondents and Response Rate  | 26      | 33%  | 1,242 | 24%  |

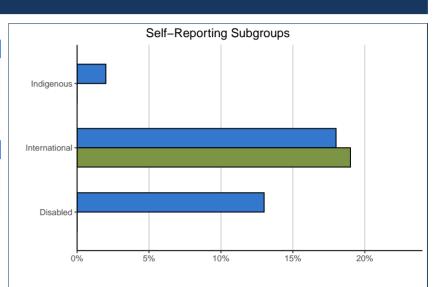


## DEMOGRAPHIC INFORMATION

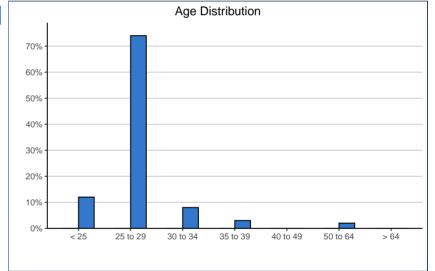
| Self-Reporting Subgroups: | 26.0210 |     | SFU |     |
|---------------------------|---------|-----|-----|-----|
| Disabled                  | 0       | 0%  | 153 | 13% |
| International             | 5       | 19% | 229 | 18% |
| Indigenous                | 0       | 0%  | 21  | 2%  |

| Gender:*   | 26.0210 |      | SFU   |      |
|------------|---------|------|-------|------|
| Man/Boy    | 7       | 27%  | 585   | 47%  |
| Woman/Girl | 19      | 73%  | 653   | 53%  |
| Total      | 26      | 100% | 1,238 | 100% |

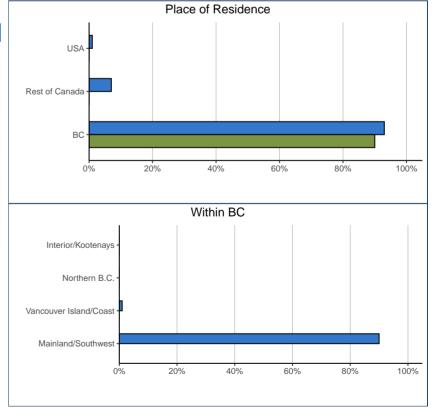
<sup>\*</sup>Due to zero or low counts, institution-reported "Non-Binary" demographic data are not included



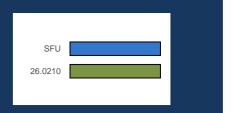
| Age (at time of survey): | 26.0210 |      | SFU   |      |
|--------------------------|---------|------|-------|------|
| < 25                     | ~       | ~    | 147   | 12%  |
| 25 to 29                 | ~       | ~    | 915   | 74%  |
| 30 to 34                 | ~       | ~    | 102   | 8%   |
| 35 to 39                 | 0       | 0%   | 32    | 3%   |
| 40 to 49                 | 0       | 0%   | ~     | ~    |
| 50 to 64                 | 0       | 0%   | 22    | 2%   |
| > 64                     | 0       | 0%   | ~     | ~    |
| Total                    | 26      | 100% | 1,242 | 100% |
| Median Age               | 26      |      | 26    |      |
| Average (mean) Age       | 26      |      | 27    |      |



| Place of Residence (at time of survey): | 26. | 26.0210 |       | SFU  |  |
|---|-----|---------|-------|------|--|
| BC - Mainland/Southwest                 | ~   | ~ ~     |       | 90%  |  |
| BC - Vancouver Island/Coast             | ~   | ~       | 13    | 1%   |  |
| BC – Northern B.C.                      | 0   | 0%      | ~     | ~    |  |
| BC – Interior/Kootenays                 | 0   | 0%      | ~     | ~    |  |
| BC Subtotal                             | 19  | 90%     | 1,009 | 93%  |  |
| Canada – Alberta                        | 0   | 0%      | 22    | 2%   |  |
| Canada – Ontario                        | 0   | 0%      | 30    | 3%   |  |
| Canada – Other                          | 0   | 0%      | 18    | 2%   |  |
| U.S.A.                                  | ~   | ~       | 8     | 1%   |  |
| Non-BC Subtotal                         | ~   | ~       | 78    | 7%   |  |
| Total                                   | ~   | ~       | 1,087 | 100% |  |





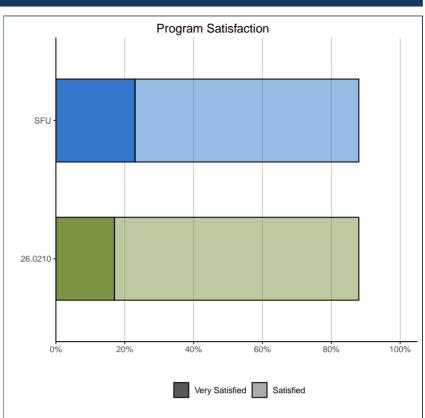


### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

| Program Satisfaction: | 26.0210 |      | SI    | FU   |
|-----------------------|---------|------|-------|------|
| Very Satisfied        | 4       | 17%  | 285   | 23%  |
| Satisfied             | 17      | 71%  | 791   | 65%  |
| Dissatisfied          | 3       | 13%  | 115   | 9%   |
| Very Dissatisfied     | 0       | 0%   | 27    | 2%   |
| Total                 | 24      | 100% | 1,218 | 100% |

| 26.0210 |                  | SFU                             |  |
|---------|------------------|---------------------------------|--|
| 3       | 21%              | 302                             | 31%  |
| 8       | 57%              | 488                             | 50%  |
| 1       | 7%               | 128                             | 13%  |
| 2       | 14%              | 50                              | 5%   |
| 14      | 100%             | 968                             | 100%   |
|         | 3<br>8<br>1<br>2 | 3 21%<br>8 57%<br>1 7%<br>2 14% | 3 21% 302<br>8 57% 488<br>1 7% 128<br>2 14% 50 |

| Took upgrading, access, bridging, or other preparatory courses during or prior to studies: | 26. | 26.0210 |       | SFU |  |
|--|-----|---------|-------|-----|--|
| Yes  | 2   | 8%      | 97    | 8%  |  |
| No   | 23  | 92%     | 1,103 | 92% |  |



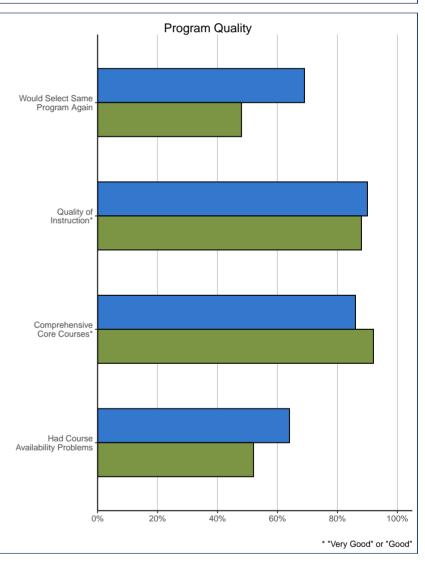
| Would select the same program again: | 26.0210 |     | SFU |     |
|--------------------------------------|---------|-----|-----|-----|
| Yes                                  | 12      | 48% | 751 | 69% |
| No                                   | 13      | 52% | 341 | 31% |

| Quality of Instruction: | 26.0210 |      | SFU   |      |
|-------------------------|---------|------|-------|------|
| Very Good               | 5 19%   |      | 273   | 22%  |
| Good                    | 18      | 69%  | 837   | 68%  |
| Poor                    | 2       | 8%   | 98    | 8%   |
| Very Poor               | 1       | 4%   | 15    | 1%   |
| Total                   | 26      | 100% | 1.223 | 100% |

| Comprehensiveness of Core Courses: | 26.0210 |      | SFU   |      |
|------------------------------------|---------|------|-------|------|
| Very Good                          | 6       | 24%  | 267   | 22%  |
| Good                               | 17      | 68%  | 773   | 64%  |
| Poor                               | 2       | 8%   | 147   | 12%  |
| Very Poor                          | 0       | 0%   | 29    | 2%   |
| Total                              | 25      | 100% | 1.216 | 100% |

| Course Availability:                     | 26.0210 |  | SFU |     |
|--|---------|--|-----|-----|
| Encountered course availability problems | 13 52%  |  | 777 | 64% |

| Financial Constraints:                              | 26.0210 |     | SFU |     |
|---|---------|-----|-----|-----|
| Had to interrupt studies for financial reasons      | 2       | 8%  | 130 | 11% |
| Had to take program part-time for financial reasons | 6       | 24% | 248 | 20% |

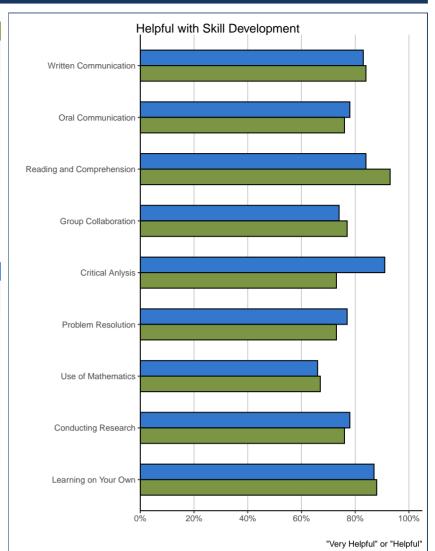




### SKILL DEVELOPMENT

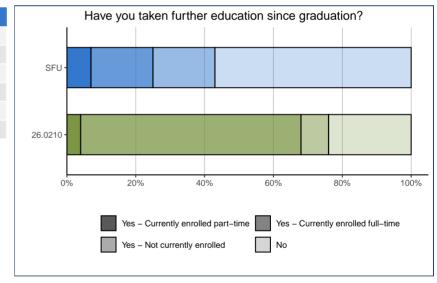
|   |                 |         | 26.0210             |                       |         |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very<br>Helpful | Helpful | Not Very<br>Helpful | Not at All<br>Helpful | # Resp. |
| Written Communication                           | 16%             | 68%     | 16%                 | 0%                    | 25      |
| Oral Communication                              | 8%              | 68%     | 24%                 | 0%                    | 25      |
| Reading and Comprehension                       | 35%             | 58%     | 8%                  | 0%                    | 26      |
| Group Collaboration                             | 12%             | 65%     | 23%                 | 0%                    | 26      |
| Critical Anlysis                                | 31%             | 42%     | 23%                 | 4%                    | 26      |
| Problem Resolution                              | 8%              | 65%     | 23%                 | 4%                    | 26      |
| Use of Mathematics                              | 17%             | 50%     | 25%                 | 8%                    | 24      |
| Conducting Research                             | 20%             | 56%     | 20%                 | 4%                    | 25      |
| Learning on Your Own                            | 25%             | 63%     | 8%                  | 4%                    | 24      |

|   |                 |         | SFU                 |                       |         |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very<br>Helpful | Helpful | Not Very<br>Helpful | Not at All<br>Helpful | # Resp. |
| Written Communication                           | 28%             | 55%     | 15%                 | 2%                    | 1,206   |
| Oral Communication                              | 21%             | 57%     | 19%                 | 3%                    | 1,206   |
| Reading and Comprehension                       | 31%             | 53%     | 14%                 | 2%                    | 1,212   |
| Group Collaboration                             | 23%             | 51%     | 21%                 | 4%                    | 1,211   |
| Critical Anlysis                                | 39%             | 52%     | 7%                  | 2%                    | 1,229   |
| Problem Resolution                              | 23%             | 54%     | 19%                 | 4%                    | 1,192   |
| Use of Mathematics                              | 21%             | 45%     | 28%                 | 7%                    | 998     |
| Conducting Research                             | 29%             | 49%     | 18%                 | 4%                    | 1,149   |
| Learning on Your Own                            | 39%             | 48%     | 10%                 | 3%                    | 1,210   |

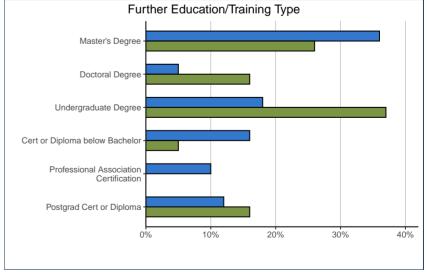


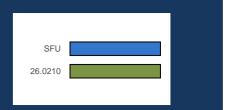
#### **FURTHER EDUCATION**

| Took further education since 2022 graduation: | 26.0210 |      | SFU   |      |
|---|---------|------|-------|------|
| Yes   | 19      | 76%  | 528   | 43%  |
| Not currently enrolled                        | 2       | 8%   | 221   | 18%  |
| Currently enrolled full-time                  | 16      | 64%  | 217   | 18%  |
| Currently enrolled part-time                  | 1       | 4%   | 83    | 7%   |
| No  | 6       | 24%  | 705   | 57%  |
| Total   | 25      | 100% | 1,233 | 100% |



| Type of Formal Post–Secondary Education:    | 26. | 26.0210 |     | =U   |
|---|-----|---------|-----|------|
| Master's Degree                             | 5   | 26%     | 187 | 36%  |
| Doctoral Degree                             | 3   | 16%     | 26  | 5%   |
| Another Undergraduate Degree                | 7   | 37%     | 92  | 18%  |
| Certificate or Diploma below Bachelor Level | 1   | 5%      | 82  | 16%  |
| Professional Association Certification      | 0   | 0%      | 54  | 10%  |
| Postgraduate Certificate or Diploma         | 3   | 16%     | 60  | 12%  |
| Other                                       | 0   | 0%      | 19  | 4%   |
| Total                                       | 19  | 100%    | 520 | 100% |

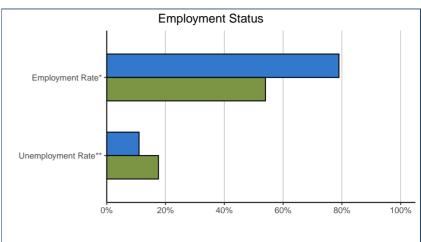




#### **EMPLOYMENT**

| Labour Fource Status:                     | 26. | 26.0210 |       | =U    |
|---|-----|---------|-------|-------|
| In Labour Force (working or seeking work) | 17  | 71%     | 1,097 | 90%   |
| Not in Labour Force                       | 7   | 29%     | 121   | 10%   |
| Total                                     | 24  | 100%    | 1,218 | 100%  |
|   |     |         |       |       |
| Employment:                               | 26. | 26.0210 |       | =U    |
| Employment Rate*                          | 14  | 54%     | 976   | 79%   |
| Unemployment Rate**                       | 3   | 17.6%   | 121   | 11.0% |

<sup>\*</sup>Percent = Total employed divided by total number of respondents



| Status of Graduates NOT in Labour Force: | 26.0210 |      | SFU |      |
|--|---------|------|-----|------|
| Attending School FT                      | 7       | 100% | 86  | 71%  |
| Attending School PT                      | 0       | 0%   | 5   | 4%   |
| Other                                    | 0       | 0%   | 30  | 25%  |
| Total NOT in Labour Force                | 7       | 100% | 121 | 100% |

| Primary Employment Type: | 26.0210 |      | SFU |      |
|--------------------------|---------|------|-----|------|
| Paid Worker              | 14      | 100% | 916 | 94%  |
| Self-Employed            | 0       | 0%   | 60  | 6%   |
| Total                    | 14      | 100% | 976 | 100% |

| Job Characteristics:                              | 26.0210 |     | SFU |     |
|---|---------|-----|-----|-----|
| I hold more than one job*                         | 0       | 0%  | 175 | 18% |
| My main job is full-time (>= 30 hours per week)** | 10      | 71% | 812 | 88% |

<sup>\*</sup>Of total employed

|                                 | "Un | der-Emp | loyment" As | ssessment |     |      |
|---------------------------------|-----|---------|-------------|-----------|-----|------|
|                                 |     |         |             |           |     |      |
| Job is very or somewhat related |     |         |             |           |     |      |
| to program                      |     |         |             |           |     |      |
|                                 |     |         |             |           |     |      |
| NOC Skill Level = 1             |     |         | ,           |           |     |      |
| (University ·<br>Education*)    |     |         |             |           |     |      |
|                                 |     |         |             |           |     |      |
| 0                               | %   | 20%     | 40%         | 60%       | 80% | 100% |

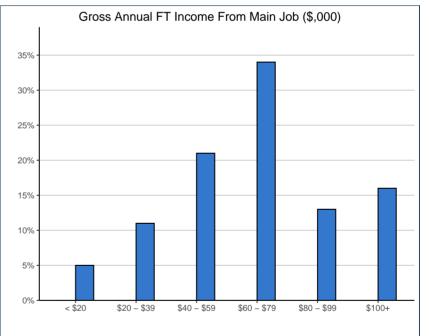
| How related is your main job to your program? | 26.0210 |      | SFU |      |
|---|---------|------|-----|------|
| Very Related                                  | 2       | 14%  | 339 | 35%  |
| Somewhat Related                              | 5       | 36%  | 347 | 36%  |
| Not Very Related                              | 2       | 14%  | 137 | 14%  |
| Not at All Related                            | 5       | 36%  | 150 | 15%  |
| Total   | 14      | 100% | 973 | 100% |

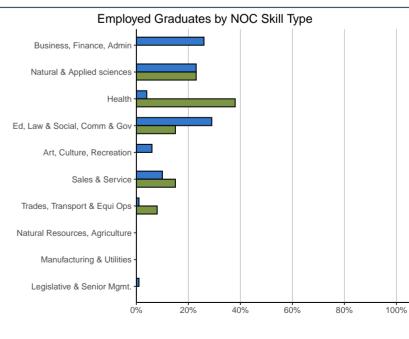
| "Under-Employment" Assessment:              | 26.0210 |     | SFU |     |
|---|---------|-----|-----|-----|
| Job is very or somewhat related to program  | 7       | 50% | 686 | 71% |
| NOC Skill Level = 1 (University Education)* | 6       | 46% | 504 | 56% |

<sup>\*</sup>Of total valid responses; NOC 2021 (TEER)

| Gross Annual Income from Main Job:*    | 26.0210 |      | SFU    |      |
|--|---------|------|--------|------|
| Less than \$20,000                     | ~       | ~    | 32     | 5%   |
| \$20,000 to \$39,999                   | ~       | ~    | 78     | 11%  |
| \$40,000 to \$59,999                   | ~       | ~    | 146    | 21%  |
| \$60,000 to \$79,999                   | ~       | ~    | 237    | 34%  |
| \$80,000 to \$99,999                   | 0       | 0%   | 88     | 13%  |
| \$100,000 and Above                    | ~       | ~    | 111    | 16%  |
| Total                                  | 8       | 100% | 692    | 100% |
| Median Annual Income (full-time) (\$)  | 50,950  |      | 70,000 |      |
| Average Annual Income (full-time) (\$) | 68,650  |      | 76,884 |      |
| *Where data provided                   |         |      |        |      |

| NOC Skill Type of Main Job (NOC 2021):              | 26. | 26.0210 |     | SFU  |  |
|---|-----|---------|-----|------|--|
| Legislative and senior management                   | 0   | 0%      | 5   | 1%   |  |
| Business, finance & administration                  | 0   | 0%      | 233 | 26%  |  |
| Natural & applied sciences & related                | 3   | 23%     | 203 | 23%  |  |
| Health  | 5   | 38%     | 32  | 4%   |  |
| Education, law and social, community & government   | 2   | 15%     | 260 | 29%  |  |
| Art, culture, recreation & sport                    | 0   | 0%      | 53  | 6%   |  |
| Sales & service                                     | 2   | 15%     | 91  | 10%  |  |
| Trades, transport & equipment operators & related   | 1   | 8%      | 13  | 1%   |  |
| Natural resources, agriculture & related production | 0   | 0%      | 2   | 0%   |  |
| Manufacturing & utilities                           | 0   | 0%      | 2   | 0%   |  |
| Total   | 13  | 100%    | 894 | 100% |  |





<sup>\*\*</sup>Percent = Total unemployed divided by total number in labour force

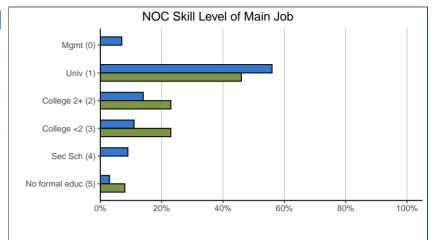
<sup>\*\*</sup>Of those who provided data on hours/week worked





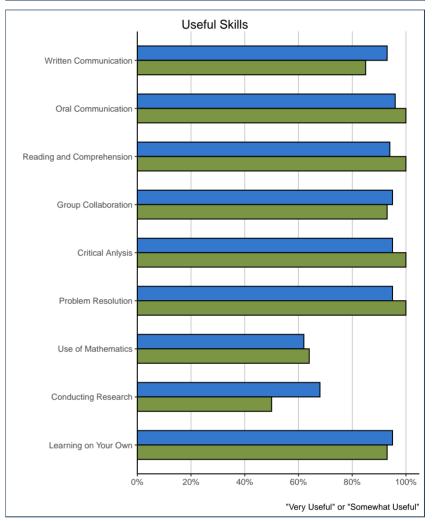
### EMPLOYMENT, continued

| NOC Skill Level of Main Job (NOC 2021 (TEER)):       | 26.0210 |      | SFU |      |
|--|---------|------|-----|------|
| 0. Management  | 0       | 0 0% |     | 7%   |
| 1. University education                              | 6       | 46%  | 504 | 56%  |
| 2. College education/trade apprenticeship (2+ years) | 3       | 23%  | 126 | 14%  |
| 3. College education/trade apprenticeship (<2 years) | 3       | 23%  | 100 | 11%  |
| 4. Secondary school + job-specific training          | 0       | 0%   | 76  | 9%   |
| 5. No formal education                               | 1       | 8%   | 27  | 3%   |
| Total  | 13      | 100% | 894 | 100% |



|   |                | 26.0210            |                    |                      |         |
|---|----------------|--------------------|--------------------|----------------------|---------|
| How useful are the following skills and abilities in doing your main job? | Very<br>Useful | Somewhat<br>Useful | Not Very<br>Useful | Not at All<br>Useful | # Resp. |
| Written Communication   | 64%            | 21%                | 14%                | 0%                   | 14      |
| Oral Communication  | 86%            | 14%                | 0%                 | 0%                   | 14      |
| Reading and Comprehension   | 64%            | 36%                | 0%                 | 0%                   | 14      |
| Group Collaboration   | 64%            | 29%                | 7%                 | 0%                   | 14      |
| Critical Anlysis  | 64%            | 36%                | 0%                 | 0%                   | 14      |
| Problem Resolution  | 71%            | 29%                | 0%                 | 0%                   | 14      |
| Use of Mathematics  | 14%            | 50%                | 14%                | 21%                  | 14      |
| Conducting Research   | 21%            | 29%                | 29%                | 21%                  | 14      |
| Learning on Your Own  | 43%            | 50%                | 7%                 | 0%                   | 14      |

|   |                |                    | SFU                |                      |         |
|---|----------------|--------------------|--------------------|----------------------|---------|
| How useful are the following skills and abilities in doing your main job? | Very<br>Useful | Somewhat<br>Useful | Not Very<br>Useful | Not at All<br>Useful | # Resp. |
| Written Communication   | 65%            | 28%                | 5%                 | 2%                   | 972     |
| Oral Communication  | 72%            | 24%                | 3%                 | 2%                   | 971     |
| Reading and Comprehension   | 68%            | 26%                | 5%                 | 2%                   | 970     |
| Group Collaboration   | 73%            | 22%                | 3%                 | 2%                   | 970     |
| Critical Anlysis  | 71%            | 24%                | 4%                 | 2%                   | 970     |
| Problem Resolution  | 73%            | 22%                | 4%                 | 1%                   | 969     |
| Use of Mathematics  | 26%            | 36%                | 22%                | 16%                  | 951     |
| Conducting Research   | 34%            | 34%                | 19%                | 13%                  | 961     |
| Learning on Your Own  | 64%            | 31%                | 3%                 | 2%                   | 968     |



| Top 10 Full-Tim | e Occupations of 26.0210 G | Fraduates*: | 26.0210                      |
|-----------------|----------------------------|-------------|------------------------------|
| NOC_2021        | NOC Skill Level            | Description | % Employed FT in this Occ.** |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |
| *               |                            |             |                              |

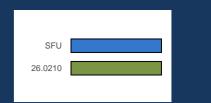
 $<sup>^{\</sup>star}$  Data not displayed where n < 5; NOC 2021

<sup>\*\*</sup> Percentages cited are of those employed

| Top 10 Full-Tin | Top 10 Full-Time Occupations of SFU Graduates*: |   | SFU                          |
|-----------------|---|---|------------------------------|
| NOC_2021        | NOC Skill Level                                 | Description   | % Employed FT in this Occ.** |
| XXXXX           | X   | Unclassified occupations  | 7%                           |
| 21231           | 1   | Software engineers and designers  | 6%                           |
| 41221           | 1   | Elementary school and kindergarten teachers                             | 5%                           |
| 41220           | 1   | Secondary school teachers   | 4%                           |
| 21232           | 1   | Software developers and programmers                                     | 3%                           |
| 11202           | 1   | Professional occupations in advertising, marketing and public relations | 3%                           |
| 42201           | 2   | Social and community service workers                                    | 2%                           |
| 11100           | 1   | Financial auditors and accountants                                      | 2%                           |
| 13110           | 3   | Administrative assistants   | 2%                           |
| 11200           | 1   | Human resources professionals   | 2%                           |

<sup>\*</sup> Data not displayed where n < 5; NOC 2021

<sup>\*\*</sup> Percentages cited are of those employed



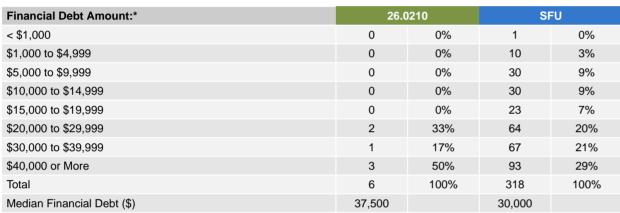
#### **EDUCATION FINANCING**

| Funding Sources (3 sources allowed):* | 26. | 26.0210 |       | SFU |  |
|---------------------------------------|-----|---------|-------|-----|--|
| Personal savings, investments         | 7   | 7 27%   |       | 28% |  |
| Employment while studying             |     | 46%     | 622   | 51% |  |
| Family/Friends                        | 18  | 69%     | 786   | 65% |  |
| Personal bank loans                   | 1   | 4%      | 41    | 3%  |  |
| Government student loans              | 8   | 31%     | 345   | 29% |  |
| Scholarships/Bursaries/Grants         | 9   | 35%     | 348   | 29% |  |
| Other                                 | 10  | 38%     | 280   | 23% |  |
| Total                                 | 26  |         | 1,208 |     |  |

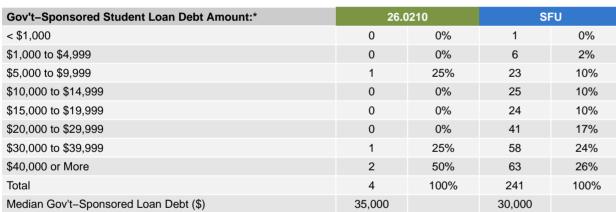


| Financial Debt Incurred to Finance Bac. Ed.:*   | 26.0 | 0210 | S   | FU  |
|---|------|------|-----|-----|
| Incurred any form of financial debt             | 10   | 40%  | 440 | 36% |
| Incurred government-sponsored student loan debt | 9    | 35%  | 386 | 31% |

<sup>\*</sup> Percentage of respondents who provided data



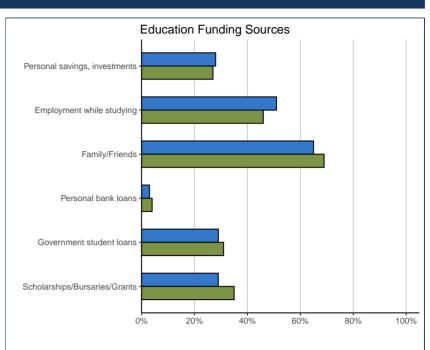
<sup>\*</sup> Includes only cases where financial debt was incurred

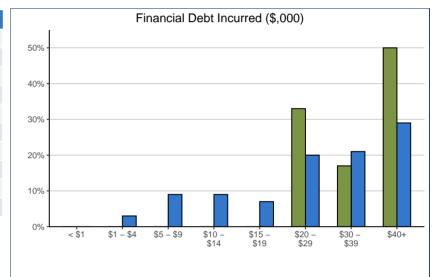


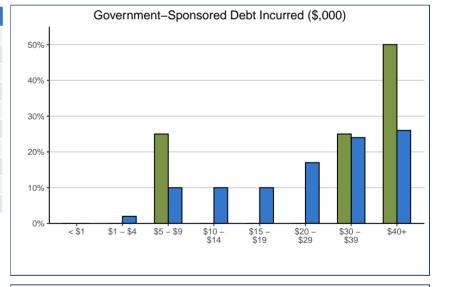
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

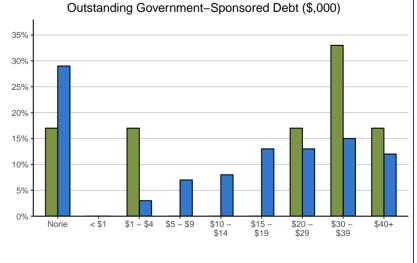


 $<sup>^{\</sup>star}$  Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









<sup>\*\*</sup> Median amounts shown are based on those who had remaining government student loan debt