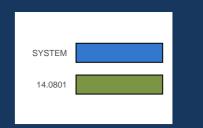


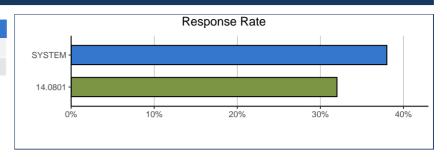
### B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

Detailed Summary of Survey Results
All Institutions
14.0801: Civil engineering, general



#### RESPONSE RATE

| Survey Response Rate:                 | 14.0801 |      | SYSTEM |      |
|---------------------------------------|---------|------|--------|------|
| Baccalaureate Graduates Survey Cohort | 250     | 100% | 24,752 | 100% |
| Survey Respondents and Response Rate  | 81      | 32%  | 9,423  | 38%  |

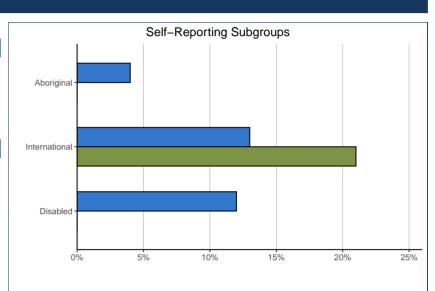


#### DEMOGRAPHIC INFORMATION

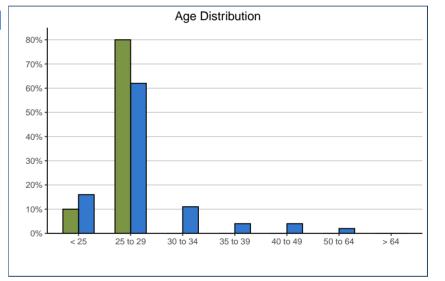
| Self-Reporting Subgroups: | 14.0801 |     | SYSTEM |     |
|---------------------------|---------|-----|--------|-----|
| Disabled                  | ~       | ~   | 1,082  | 12% |
| International             | 17      | 21% | 1,205  | 13% |
| Aboriginal                | ~       | ~   | 357    | 4%  |

| Gender:* | 14.0801 |      | 14.0801 |      | SYS | TEM |
|----------|---------|------|---------|------|-----|-----|
| Male     | 59      | 73%  | 3,744   | 40%  |     |     |
| Female   | 22      | 27%  | 5,675   | 60%  |     |     |
| Total    | 81      | 100% | 9,419   | 100% |     |     |

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

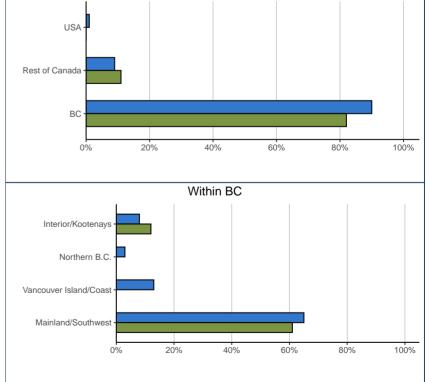


| Age (at time of survey): | 14.0801 |      | SYSTEM |      |
|--------------------------|---------|------|--------|------|
| < 25                     | 8       | 10%  | 1,496  | 16%  |
| 25 to 29                 | 65      | 80%  | 5,860  | 62%  |
| 30 to 34                 | ~       | ~    | 1,035  | 11%  |
| 35 to 39                 | ~       | ~    | 421    | 4%   |
| 40 to 49                 | ~       | ~    | 397    | 4%   |
| 50 to 64                 | 0       | 0%   | 186    | 2%   |
| > 64                     | 0       | 0%   | 22     | 0%   |
| Total                    | 81      | 100% | 9,417  | 100% |
| Median Age               | 26      |      | 26     |      |
| Average (mean) Age       | 27      |      | 28     |      |



Place of Residence

| Place of Residence (at time of survey): | 14.0801 |      | SYSTEM |      |
|---|---------|------|--------|------|
| BC - Mainland/Southwest                 | 46      | 61%  | 5,472  | 65%  |
| BC – Vancouver Island/Coast             | ~       | ~    | 1,112  | 13%  |
| BC – Northern B.C.                      | ~       | ~    | 270    | 3%   |
| BC – Interior/Kootenays                 | 9       | 12%  | 672    | 8%   |
| BC Subtotal                             | 62      | 82%  | 7,526  | 90%  |
| Canada – Alberta                        | 8       | 11%  | 343    | 4%   |
| Canada – Ontario                        | ~       | ~    | 280    | 3%   |
| Canada – Other                          | ~       | ~    | 176    | 2%   |
| U.S.A.                                  | ~       | ~    | 80     | 1%   |
| Non-BC Subtotal                         | 14      | 18%  | 879    | 10%  |
| Total                                   | 76      | 100% | 8,405  | 100% |



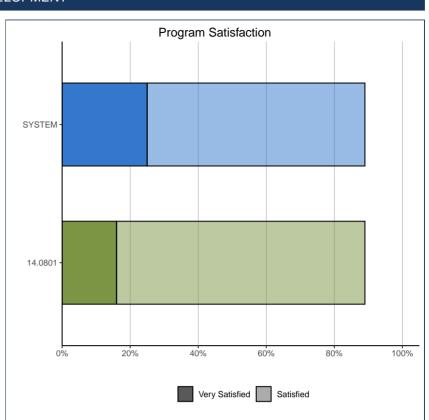


#### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

| Program Satisfaction: | 14.0801 |      | SYS   | TEM  |
|-----------------------|---------|------|-------|------|
| Very Satisfied        | 13      | 16%  | 2,332 | 25%  |
| Satisfied             | 58      | 73%  | 5,914 | 64%  |
| Dissatisfied          | 8       | 10%  | 831   | 9%   |
| Very Dissatisfied     | 0       | 0%   | 188   | 2%   |
| Total                 | 79      | 100% | 9,265 | 100% |

| Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work: | 14.0801 |      | SYSTEM |      |
|---|---------|------|--------|------|
| Very Useful   | 25      | 36%  | 3,011  | 38%  |
| Somewhat Useful   | 37      | 53%  | 3,664  | 47%  |
| Not Very Useful   | 7       | 10%  | 886    | 11%  |
| Not at All Useful   | 1       | 1%   | 283    | 4%   |
| Total   | 70      | 100% | 7,844  | 100% |

| Took upgrading, access, bridging, or other preparatory courses during or prior to studies: | 14. | 14.0801 |       | SYSTEM |  |  |
|--|-----|---------|-------|--------|--|--|
| Yes  | 6   | 8%      | 902   | 10%    |  |  |
| No   | 71  | 92%     | 8,298 | 90%    |  |  |



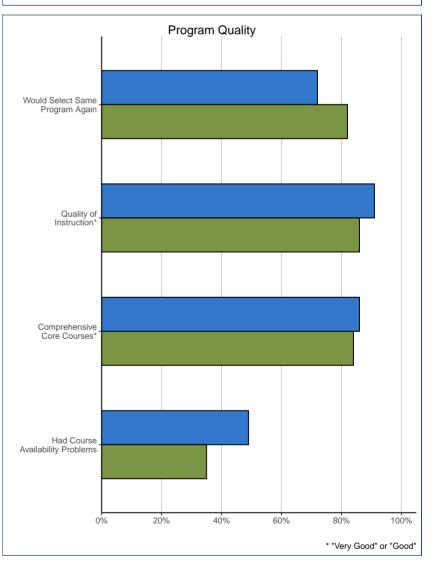
| Would select the same program again: | 14.0801 |     | SYSTEM |     |
|--------------------------------------|---------|-----|--------|-----|
| Yes                                  | 55      | 82% | 5,963  | 72% |
| No                                   | 12      | 18% | 2,334  | 28% |

| Quality of Instruction: | 14.0 | 14.0801 |       | TEM  |
|-------------------------|------|---------|-------|------|
| Very Good               | 12   | 15%     | 2,498 | 27%  |
| Good                    | 57   | 71%     | 6,007 | 64%  |
| Poor                    | 10   | 13%     | 685   | 7%   |
| Very Poor               | 1    | 1%      | 131   | 1%   |
| Total                   | 80   | 100%    | 9.321 | 100% |

| Comprehensiveness of Core Courses: | 14. | 14.0801 |       | TEM  |
|------------------------------------|-----|---------|-------|------|
| Very Good                          | 12  | 15%     | 2,303 | 25%  |
| Good                               | 55  | 69%     | 5,649 | 61%  |
| Poor                               | 12  | 15%     | 1,073 | 12%  |
| Very Poor                          | 1   | 1%      | 172   | 2%   |
| Total                              | 80  | 100%    | 9.197 | 100% |

| Course Availability:                     | 14.0801 |     | SYSTEM |     |
|--|---------|-----|--------|-----|
| Encountered course availability problems | 28      | 35% | 4,485  | 49% |

| Financial Constraints:                              | 14.0801 |    | SYS   | TEM |
|---|---------|----|-------|-----|
| Had to interrupt studies for financial reasons      | 3       | 4% | 987   | 11% |
| Had to take program part-time for financial reasons | 2       | 3% | 1,629 | 18% |

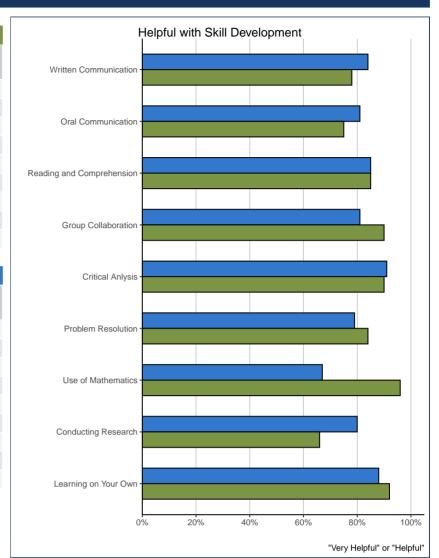




#### SKILL DEVELOPMENT

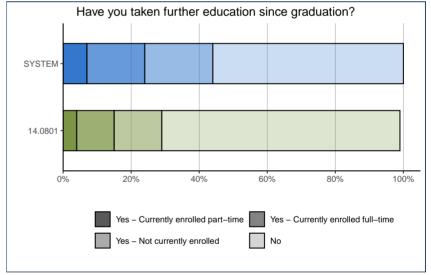
|   |                 |         | 14.0801             |                       |         |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very<br>Helpful | Helpful | Not Very<br>Helpful | Not at All<br>Helpful | # Resp. |
| Written Communication                           | 14%             | 64%     | 19%                 | 3%                    | 77      |
| Oral Communication                              | 10%             | 65%     | 21%                 | 4%                    | 80      |
| Reading and Comprehension                       | 19%             | 66%     | 15%                 | 0%                    | 79      |
| Group Collaboration                             | 31%             | 59%     | 10%                 | 0%                    | 81      |
| Critical Anlysis                                | 29%             | 61%     | 10%                 | 0%                    | 80      |
| Problem Resolution                              | 25%             | 59%     | 15%                 | 1%                    | 81      |
| Use of Mathematics                              | 43%             | 53%     | 5%                  | 0%                    | 80      |
| Conducting Research                             | 23%             | 43%     | 28%                 | 6%                    | 79      |
| Learning on Your Own                            | 44%             | 48%     | 9%                  | 0%                    | 80      |

|   | SYSTEM          |         |                     |                       |         |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very<br>Helpful | Helpful | Not Very<br>Helpful | Not at All<br>Helpful | # Resp. |
| Written Communication                           | 27%             | 57%     | 14%                 | 3%                    | 9,025   |
| Oral Communication                              | 24%             | 57%     | 17%                 | 3%                    | 9,114   |
| Reading and Comprehension                       | 28%             | 57%     | 13%                 | 2%                    | 9,119   |
| Group Collaboration                             | 28%             | 53%     | 17%                 | 3%                    | 9,187   |
| Critical Anlysis                                | 41%             | 50%     | 8%                  | 2%                    | 9,297   |
| Problem Resolution                              | 23%             | 56%     | 17%                 | 3%                    | 9,057   |
| Use of Mathematics                              | 20%             | 47%     | 25%                 | 9%                    | 7,165   |
| Conducting Research                             | 30%             | 50%     | 17%                 | 4%                    | 8,871   |
| Learning on Your Own                            | 38%             | 50%     | 10%                 | 2%                    | 9,189   |

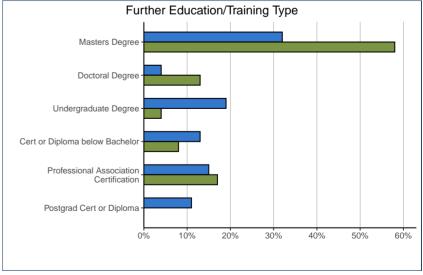


#### **FURTHER EDUCATION**

| Took further education since 2020 graduation: | 14.0801 |      | SYSTEM |      |
|---|---------|------|--------|------|
| Yes   | 24      | 30%  | 4,119  | 44%  |
| Not currently enrolled                        | 11      | 14%  | 1,831  | 20%  |
| Currently enrolled full-time                  | 9       | 11%  | 1,602  | 17%  |
| Currently enrolled part-time                  | 3       | 4%   | 637    | 7%   |
| No  | 55      | 70%  | 5,244  | 56%  |
| Total   | 79      | 100% | 9,363  | 100% |



| Type of Formal Post–Secondary Education:    | 14. | 14.0801 |       | TEM  |
|---|-----|---------|-------|------|
| Masters Degree                              | 14  | 14 58%  |       | 32%  |
| Doctoral Degree                             | 3   | 13%     | 167   | 4%   |
| Another Undergraduate Degree                | 1   | 4%      | 789   | 19%  |
| Certificate or Diploma below Bachelor level | 2   | 8%      | 527   | 13%  |
| Professional Association Certification      | 4   | 17%     | 603   | 15%  |
| Postgraduate Certificate or Diploma         | 0   | 0%      | 431   | 11%  |
| Other                                       | 0   | 0%      | 236   | 6%   |
| Total                                       | 24  | 100%    | 4,060 | 100% |



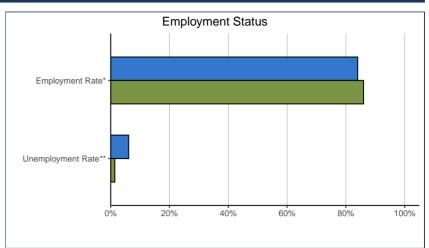


#### **EMPLOYMENT**

| Labour Fource Status:                     | 14.0801 |      | SYSTEM |      |
|---|---------|------|--------|------|
| In Labour Force (working or seeking work) | 71      | 89%  | 8,412  | 91%  |
| Not in Labour Force                       | 9       | 11%  | 857    | 9%   |
| Total                                     | 80      | 100% | 9,269  | 100% |
|   |         |      |        |      |

| Employment:         | 14.0801 |      | SYS   | TEM  |
|---------------------|---------|------|-------|------|
| Employment Rate*    | 70      | 86%  | 7,900 | 84%  |
| Unemployment Rate** | 1       | 1.4% | 512   | 6.1% |

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

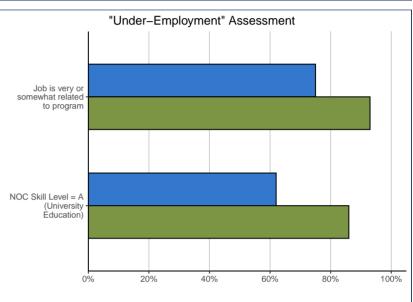


| Status of Graduates NOT in Labour Force: | 14.0801 |      | SYS | TEM  |
|--|---------|------|-----|------|
| Attending School FT                      | 5       | 56%  | 597 | 70%  |
| Attending School PT                      | 0       | 0%   | 23  | 3%   |
| Other                                    | 4       | 44%  | 237 | 28%  |
| Total NOT in Labour Force                | 9       | 100% | 857 | 100% |

| Primary Employment Type: | 14.0801 |      | SYS   | TEM  |
|--------------------------|---------|------|-------|------|
| Paid worker              | 70      | 100% | 7,394 | 94%  |
| Self-employed            | 0       | 0%   | 493   | 6%   |
| Total                    | 70      | 100% | 7,887 | 100% |

| Job Characteristics:                              | 14.0 | 0801 | SYS   | TEM |
|---|------|------|-------|-----|
| I hold more than one job*                         | 2    | 3%   | 1,463 | 19% |
| My main job is full-time (>= 30 hours per week)** | 66   | 99%  | 6.655 | 89% |

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



| How related is your main job to your program? | 14.0801 |      | SYSTEM |      |
|---|---------|------|--------|------|
| Very Related                                  | 37      | 53%  | 3,386  | 43%  |
| Somewhat Related                              | 28      | 40%  | 2,530  | 32%  |
| Not Very Related                              | 3       | 4%   | 1,013  | 13%  |
| Not at All Related                            | 2       | 3%   | 954    | 12%  |
| Total   | 70      | 100% | 7,883  | 100% |

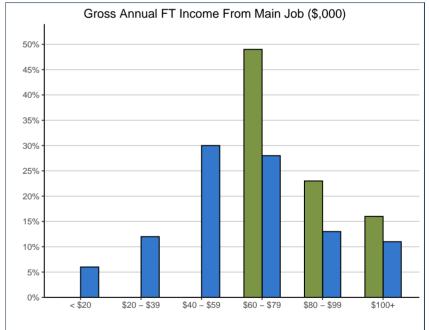
| "Under-employment" Assessment:              | 14.0801 |     | SYSTEM |     |
|---|---------|-----|--------|-----|
| Job is very or somewhat related to program  | 65      | 93% | 5,916  | 75% |
| NOC Skill Level = A (University Education)* | 56      | 86% | 4,631  | 62% |

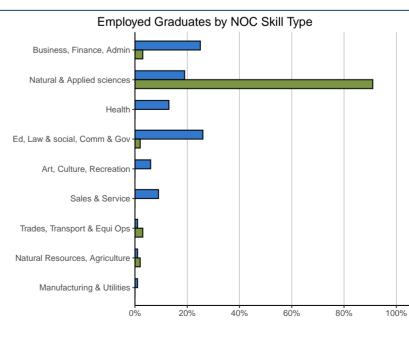
<sup>\*</sup>Of total valid responses

| 14.    | 14.0801                                      |                             | SYSTEM   |  |
|--------|--|-----------------------------|--|--|
| ~      | ~ ~  |                             | 6%   |  |
| 0      | 0%   | 725                         | 12%  |  |
| ~      | ~  | 1,773                       | 30%  |  |
| 28     | 49%  | 1,673                       | 28%  |  |
| 13     | 23%  | 799                         | 13%  |  |
| 9      | 16%  | 659                         | 11%  |  |
| 57     | 100%   | 5,957                       | 100%   |  |
| 75,949 |  | 63,000                      |  |  |
| 81,177 |  | 70,455                      |  |  |
|        | ~<br>0<br>~<br>28<br>13<br>9<br>57<br>75,949 | 28 49% 13 23% 9 16% 57 100% | ~       ~       328         0       0%       725         ~       ~       1,773         28       49%       1,673         13       23%       799         9       16%       659         57       100%       5,957         75,949       63,000 |  |

<sup>\*</sup>Where data provided

| NOC Skill Type of Main Job:                         | 14.0 | 0801 | SYSTEM |      |
|---|------|------|--------|------|
| Business, finance & administration                  | 2    | 3%   | 1,844  | 25%  |
| Natural & applied sciences & related                | 59   | 91%  | 1,422  | 19%  |
| Health  | 0    | 0%   | 933    | 13%  |
| Education, law and social, community & government   | 1    | 2%   | 1,946  | 26%  |
| Art, culture, recreation & sport                    | 0    | 0%   | 438    | 6%   |
| Sales & service                                     | 0    | 0%   | 658    | 9%   |
| Trades, transport & equipment operators & related   | 2    | 3%   | 104    | 1%   |
| Natural resources, agriculture & related production | 1    | 2%   | 42     | 1%   |
| Manufacturing & utilities                           | 0    | 0%   | 39     | 1%   |
| Total   | 65   | 100% | 7,426  | 100% |





<sup>\*\*</sup>Percent = Total unemployed divided by total number in Labour Force

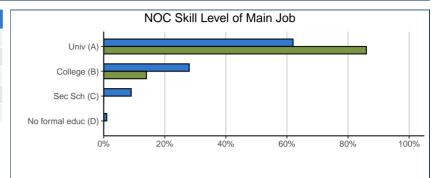
<sup>\*\*</sup>Of those who provided data on hours/week worked





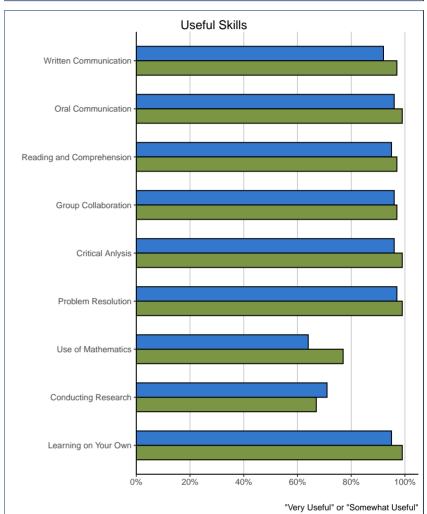
#### EMPLOYMENT, continued

| NOC Skill Level of Main Job:                | 14.0   | 801  | SYSTEM |      |
|---|--------|------|--------|------|
| A. University education                     | 56 86% |      | 4,631  | 62%  |
| B. College education/trade apprenticeship   | 9      | 14%  | 2,082  | 28%  |
| C. Secondary school + job-specific training | 0      | 0%   | 647    | 9%   |
| D. No formal education                      | 0      | 0%   | 86     | 1%   |
| Total                                       | 65     | 100% | 7,446  | 100% |



|   | 14.0801        |                    |                    |                      |         |
|---|----------------|--------------------|--------------------|----------------------|---------|
| 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   | 76%            | 21%                | 3%                 | 0%                   | 70      |
| Oral Communication  | 79%            | 20%                | 1%                 | 0%                   | 70      |
| Reading and Comprehension   | 67%            | 30%                | 3%                 | 0%                   | 70      |
| Group Collaboration   | 76%            | 21%                | 3%                 | 0%                   | 70      |
| Critical Anlysis  | 76%            | 23%                | 1%                 | 0%                   | 70      |
| Problem Resolution  | 73%            | 26%                | 1%                 | 0%                   | 70      |
| Use of Mathematics  | 36%            | 41%                | 20%                | 3%                   | 69      |
| Conducting Research   | 24%            | 43%                | 31%                | 1%                   | 70      |
| Learning on Your Own  | 60%            | 39%                | 1%                 | 0%                   | 70      |

|   |                | SYSTEM             |                    |                      |         |
|---|----------------|--------------------|--------------------|----------------------|---------|
| 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   | 67%            | 25%                | 5%                 | 3%                   | 7,839   |
| Oral Communication  | 75%            | 21%                | 3%                 | 1%                   | 7,837   |
| Reading and Comprehension   | 70%            | 25%                | 4%                 | 1%                   | 7,836   |
| Group Collaboration   | 76%            | 20%                | 3%                 | 1%                   | 7,841   |
| Critical Anlysis  | 74%            | 22%                | 3%                 | 1%                   | 7,838   |
| Problem Resolution  | 77%            | 20%                | 2%                 | 1%                   | 7,833   |
| Use of Mathematics  | 28%            | 36%                | 21%                | 15%                  | 7,634   |
| Conducting Research   | 36%            | 35%                | 17%                | 12%                  | 7,717   |
| Learning on Your Own  | 68%            | 27%                | 3%                 | 2%                   | 7,819   |



| Top 10 Full-t | ime Occupations of 14.0801 | raduates:       | 14.0801                      |
|---------------|----------------------------|-----------------|------------------------------|
| NOC           | NOC Skill Level            | Description     | % Employed FT in this Occ.** |
| 2131          | A                          | Civil engineers | 61%                          |
| *             |                            |                 |                              |
| *             |                            |                 |                              |
| *             |                            |                 |                              |
| *             |                            |                 |                              |
| *             |                            |                 |                              |
| *             |                            |                 |                              |
| *             |                            |                 |                              |
| *             |                            |                 |                              |
| *             |                            |                 |                              |

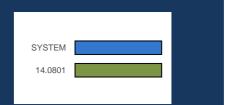
<sup>\*</sup> Data not displayed where n < 5

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

| Top 10 Full-tir | Top 10 Full-time Occupations of SYSTEM Graduates: |   |                              |
|-----------------|---|---|------------------------------|
| NOC             | NOC Skill Level                                   | Description   | % Employed FT in this Occ.** |
| 3012            | A   | Registered nurses and registered psychiatric nurses                     | 6%                           |
| 1111            | Α   | Financial auditors and accountants                                      | 4%                           |
| XXXX            | 0   | Unclassified occupations  | 3%                           |
| 2173            | Α   | Software engineers and designers  | 3%                           |
| 4032            | Α   | Elementary school and kindergarten teachers                             | 3%                           |
| 1123            | A   | Professional occupations in advertising, marketing and public relations | 3%                           |
| 4212            | В   | Social and community service workers                                    | 3%                           |
| 2174            | A   | Computer programmers and interactive media developers                   | 2%                           |
| 4031            | Α   | Secondary school teachers   | 2%                           |
| 1221            | В   | Administrative officers   | 2%                           |

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

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



#### **EDUCATION FINANCING**

| Funding Sources (3 sources allowed):* | 14. | 14.0801 |       | TEM |
|---------------------------------------|-----|---------|-------|-----|
| Personal savings, investments         | 27  | 27 35%  |       | 31% |
| Employment while studying             |     | 37%     | 4,716 | 51% |
| Family/Friends                        | 53  | 68%     | 5,423 | 59% |
| Personal bank loans                   | 3   | 4%      | 600   | 7%  |
| Government student loans              | 19  | 24%     | 3,008 | 33% |
| Scholarships/Bursaries/Grants         | 24  | 31%     | 2,803 | 31% |
| Other                                 | 37  | 47%     | 1,997 | 22% |
| Total                                 | 78  |         | 9,180 |     |

<sup>\*</sup> Percentage of respondents who identified this source

| Financial Debt Incurred to Finance Bac. Ed.:*   | 14.0   | 0801 | SYS   | TEM |
|---|--------|------|-------|-----|
| Incurred any form of financial debt             | 32 41% |      | 4,031 | 44% |
| Incurred government-sponsored student loan debt | 24     | 31%  | 3,331 | 36% |

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



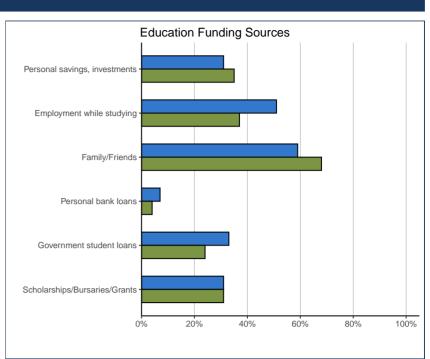
<sup>\*</sup> Includes only cases where financial debt was incurred

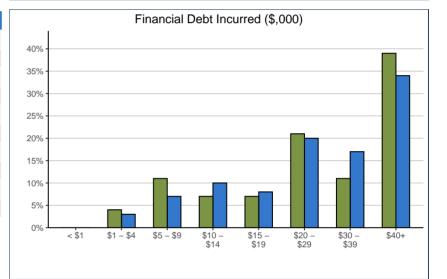


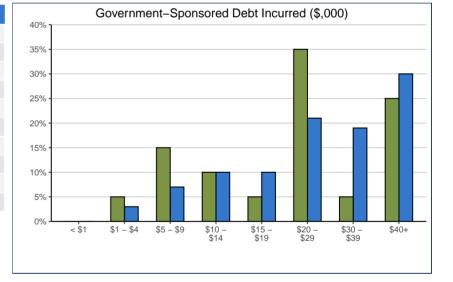
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

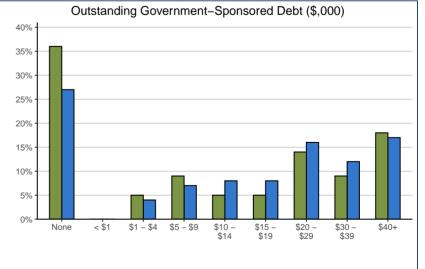


<sup>\*</sup> Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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