

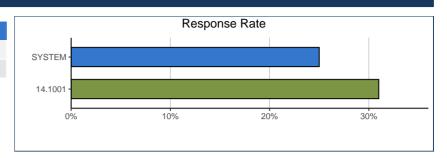
B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

SYSTEM 14.1001

Detailed Summary of Survey Results
All Institutions
14.1001: Electrical and electronics engineering

RESPONSE RATE

| Survey Response Rate: | 14.1 | 14.1001 | | TEM |
|---------------------------------------|------|---------|--------|------|
| Baccalaureate Graduates Survey Cohort | 254 | 100% | 24,572 | 100% |
| Survey Respondents and Response Rate | 78 | 31% | 6,200 | 25% |

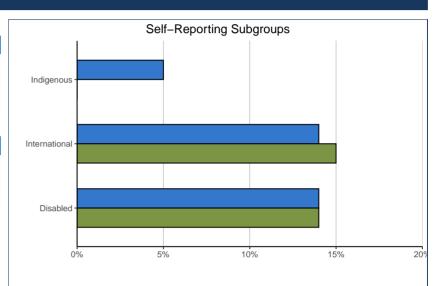


DEMOGRAPHIC INFORMATION

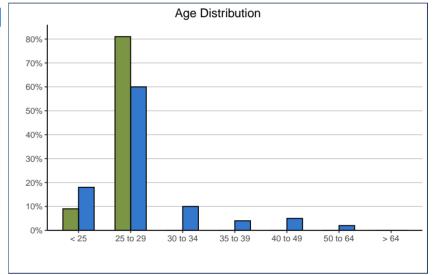
| Self-Reporting Subgroups: | 14.1001 | | SYSTEM | |
|---------------------------|---------|-----|--------|-----|
| Disabled | 11 | 14% | 851 | 14% |
| International | 12 | 15% | 878 | 14% |
| Indigenous | ~ | ~ | 264 | 5% |

| Gender:* | 14.1001 | | SYSTEM | |
|------------|---------|------|--------|------|
| Man/Boy | 70 | 90% | 2,656 | 43% |
| Woman/Girl | 8 | 10% | 3,527 | 57% |
| Total | 78 | 100% | 6,183 | 100% |

^{*}Due to zero or low counts, institution-reported "Non-Binary" demographic data are not included

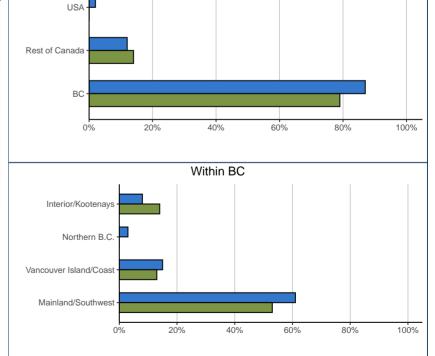


| Age (at time of survey): | 14.1001 | | SYSTEM | |
|--------------------------|---------|------|--------|------|
| < 25 | 7 | 9% | 1,133 | 18% |
| 25 to 29 | 63 | 81% | 3,740 | 60% |
| 30 to 34 | ~ | ~ | 617 | 10% |
| 35 to 39 | ~ | ~ | 271 | 4% |
| 40 to 49 | 0 | 0% | 279 | 5% |
| 50 to 64 | 0 | 0% | 129 | 2% |
| > 64 | 0 | 0% | 17 | 0% |
| Total | 78 | 100% | 6,186 | 100% |
| Median Age | 25 | | 26 | |
| Average (mean) Age | 26 | | 28 | |



Place of Residence

| Place of Residence (at time of survey): | 14. | 14.1001 | | SYSTEM | |
|---|-----|---------|-------|--------|--|
| BC – Mainland/Southwest | 38 | | | 61% | |
| BC - Vancouver Island/Coast | 9 | 13% | 809 | 15% | |
| BC – Northern B.C. | 0 | 0% | 160 | 3% | |
| BC – Interior/Kootenays | 10 | 14% | 459 | 8% | |
| BC Subtotal | 57 | 79% | 4,833 | 87% | |
| Canada – Alberta | 10 | 14% | 266 | 5% | |
| Canada – Ontario | ~ | ~ | 212 | 4% | |
| Canada – Other | ~ | ~ | 139 | 3% | |
| U.S.A. | ~ | ~ | 100 | 2% | |
| Non-BC Subtotal | 15 | 21% | 717 | 13% | |
| Total | 72 | 100% | 5,550 | 100% | |







EDUCATION EVALUATION AND SKILL DEVELOPMENT

| Program Satisfaction: | 14.1001 | | SYSTEM | |
|-----------------------|---------|------|--------|------|
| Very Satisfied | 9 | 12% | 1,771 | 29% |
| Satisfied | 54 | 70% | 3,775 | 62% |
| Dissatisfied | 8 | 10% | 469 | 8% |
| Very Dissatisfied | 6 | 8% | 110 | 2% |
| Total | 77 | 100% | 6,125 | 100% |

| Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work: | 14. | 14.1001 | | SYSTEM | |
|---|-----|---------|-------|--------|--|
| Very Useful | 22 | 31% | 1,989 | 40% | |
| Somewhat Useful | 35 | 49% | 2,266 | 46% | |
| Not Very Useful | 11 | 15% | 531 | 11% | |
| Not at All Useful | 3 | 4% | 158 | 3% | |
| Total | 71 | 100% | 4,944 | 100% | |
| 7 | | | 1,2 | | |

| Took upgrading, access, bridging, or other preparatory courses during or prior to studies: | 14. | 14.1001 | | SYSTEM | |
|--|-----|---------|-------|--------|--|
| Yes | 2 | 3% | 515 | 9% | |
| No | 73 | 97% | 5,527 | 91% | |



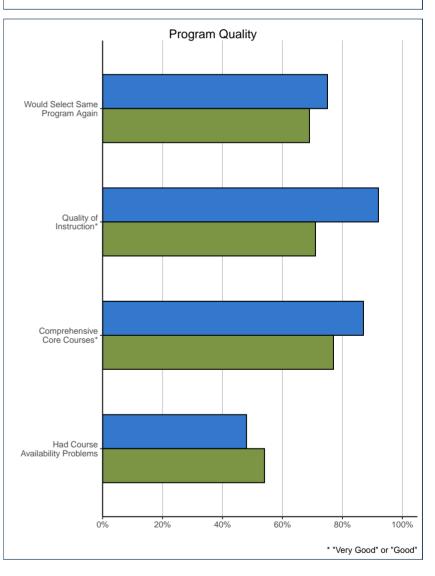
| Would select the same program again: | 14.1001 | | SYSTEM | |
|--------------------------------------|---------|-----|--------|-----|
| Yes | 49 | 69% | 4,137 | 75% |
| No | 22 | 31% | 1,363 | 25% |

| Quality of Instruction: | 14. | 14.1001 6 8% | | SYSTEM | |
|-------------------------|-----|-----------------|-------|--------|--|
| Very Good | 6 | | | 28% | |
| Good | 49 | 63% | 3,934 | 64% | |
| Poor | 16 | 21% | 402 | 7% | |
| Very Poor | 7 | 9% | 77 | 1% | |
| Total | 78 | 100% | 6.140 | 100% | |

| Comprehensiveness of Core Courses: | 14.1 | 14.1001 | | TEM |
|------------------------------------|------|---------|-------|------|
| Very Good | 13 | 17% | 1,667 | 27% |
| Good | 47 | 60% | 3,645 | 60% |
| Poor | 16 | 21% | 649 | 11% |
| Very Poor | 2 | 3% | 115 | 2% |
| Total | 78 | 100% | 6,076 | 100% |

| Course Availability: | 14.1001 | | SYSTEM | |
|--|---------|-----|--------|-----|
| Encountered course availability problems | 42 | 54% | 2.918 | 48% |

| Financial Constraints: | 14.1001 SYS | | 14.100 | | TEM |
|---|-------------|----|--------|-----|-----|
| Had to interrupt studies for financial reasons | 4 | 5% | 565 | 9% | |
| Had to take program part-time for financial reasons | 4 | 5% | 955 | 16% | |



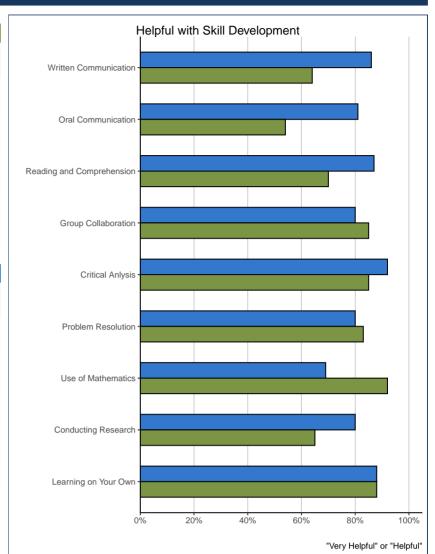




SKILL DEVELOPMENT

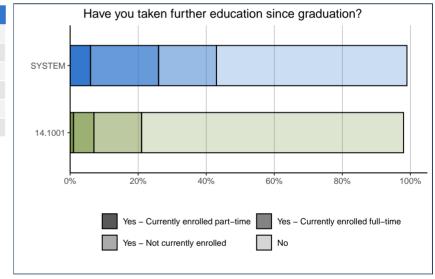
| | | | 14.1001 | | |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very Helpful | Helpful | Not Very Helpful | Not at All Helpful | # Resp. |
| Written Communication | 17% | 47% | 25% | 11% | 75 |
| Oral Communication | 12% | 42% | 34% | 12% | 74 |
| Reading and Comprehension | 18% | 52% | 26% | 4% | 77 |
| Group Collaboration | 36% | 49% | 13% | 3% | 78 |
| Critical Anlysis | 45% | 40% | 13% | 3% | 78 |
| Problem Resolution | 34% | 49% | 16% | 1% | 77 |
| Use of Mathematics | 63% | 29% | 3% | 5% | 78 |
| Conducting Research | 24% | 41% | 26% | 9% | 76 |
| Learning on Your Own | 49% | 39% | 9% | 3% | 77 |

| | | | SYSTEM | | |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very Helpful | Helpful | Not Very Helpful | Not at All Helpful | # Resp. |
| Written Communication | 29% | 57% | 13% | 2% | 6,011 |
| Oral Communication | 25% | 56% | 16% | 2% | 6,039 |
| Reading and Comprehension | 32% | 55% | 12% | 1% | 6,026 |
| Group Collaboration | 30% | 50% | 17% | 4% | 6,055 |
| Critical Anlysis | 43% | 49% | 7% | 2% | 6,142 |
| Problem Resolution | 25% | 55% | 18% | 3% | 5,966 |
| Use of Mathematics | 22% | 47% | 24% | 7% | 4,674 |
| Conducting Research | 32% | 48% | 17% | 3% | 5,806 |
| Learning on Your Own | 39% | 49% | 9% | 2% | 6,059 |

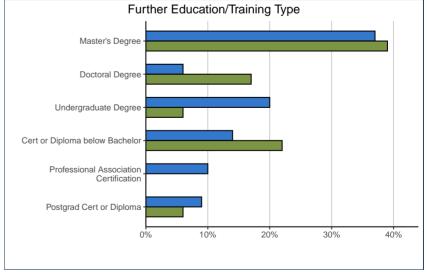


FURTHER EDUCATION

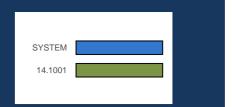
| Took further education since 2022 graduation: | 14. | 1001 | SYS | TEM |
|---|-----|------|-------|------|
| Yes | 18 | 23% | 2,708 | 44% |
| Not currently enrolled | 11 | 14% | 1,069 | 17% |
| Currently enrolled full-time | 5 | 6% | 1,219 | 20% |
| Currently enrolled part-time | 1 | 1% | 389 | 6% |
| No | 60 | 77% | 3,459 | 56% |
| Total | 78 | 100% | 6,167 | 100% |



| Type of Formal Post–Secondary Education: | 14. | 14.1001 | | TEM |
|---|-----|---------|-------|------|
| Master's Degree | 7 | 39% | 979 | 37% |
| Doctoral Degree | 3 | 17% | 155 | 6% |
| Another Undergraduate Degree | 1 | 6% | 543 | 20% |
| Certificate or Diploma below Bachelor Level | 4 | 22% | 374 | 14% |
| Professional Association Certification | 0 | 0% | 274 | 10% |
| Postgraduate Certificate or Diploma | 1 | 6% | 238 | 9% |
| Other | 2 | 11% | 119 | 4% |
| Total | 18 | 100% | 2,682 | 100% |



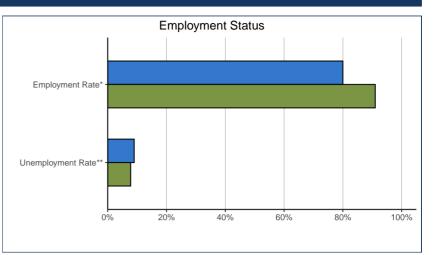




EMPLOYMENT

| Labour Fource Status: | 14. | 14.1001 | | TEM | | |
|---|-----|---------|-------|---------|--|-----|
| In Labour Force (working or seeking work) | 77 | 99% | 5,472 | 90% | | |
| Not in Labour Force | 1 | 1% | 613 | 10% | | |
| Total | 78 | 100% | 6,085 | 100% | | |
| | | | | | | |
| Employment: | 14. | 14.1001 | | 14.1001 | | TEM |
| Employment Rate* | 71 | 91% | 4,982 | 80% | | |
| Unemployment Rate** | 6 | 7.8% | 490 | 9.0% | | |

^{*}Percent = Total employed divided by total number of respondents

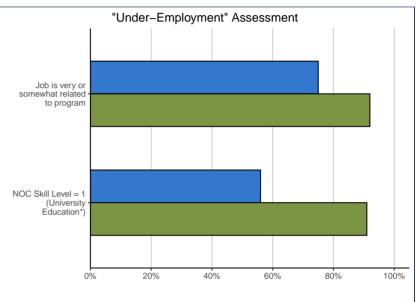


| 14.1 | 001 | SYS | TEM |
|------|------|--------------|-----------------------------------|
| 1 | 100% | 446 | 73% |
| 0 | 0% | 19 | 3% |
| 0 | 0% | 148 | 24% |
| 1 | 100% | 613 | 100% |
| | 1 | 0 0% 0 0% | 1 100% 446 0 0% 19 0 0% 148 |

| Primary Employment Type: | 14.1001 | | SYS | TEM |
|--------------------------|---------|------|-------|------|
| Paid Worker | 71 | 100% | 4,678 | 94% |
| Self-Employed | 0 | 0% | 296 | 6% |
| Total | 71 | 100% | 4,974 | 100% |

| Job Characteristics: | 14. | 1001 | SYS | TEM |
|---|-----|------|-------|-----|
| I hold more than one job* | 1 | 1% | 941 | 19% |
| My main job is full-time (>= 30 hours per week)** | 71 | 100% | 4,109 | 87% |

^{*}Of total employed



| How related is your main job to your program? | 14.1001 | | ob to your program? 14.1001 | | SYS | TEM |
|---|---------|------|-----------------------------|------|-----|-----|
| Very Related | 35 | 49% | 2,190 | 44% | | |
| Somewhat Related | 30 | 42% | 1,532 | 31% | | |
| Not Very Related | 5 | 7% | 579 | 12% | | |
| Not at All Related | 1 | 1% | 668 | 13% | | |
| Total | 71 | 100% | 4,969 | 100% | | |

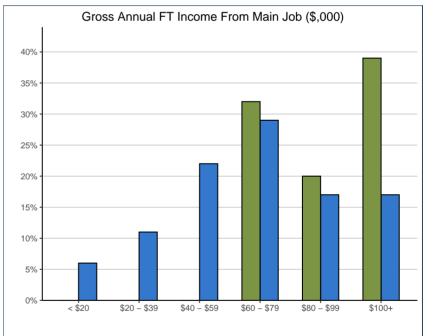
| 14.1 | 1001 | SYS | TEM |
|------|------|-------|--------------|
| 65 | 92% | 3,722 | 75% |
| 62 | 91% | 2,648 | 56% |
| | 65 | | 65 92% 3,722 |

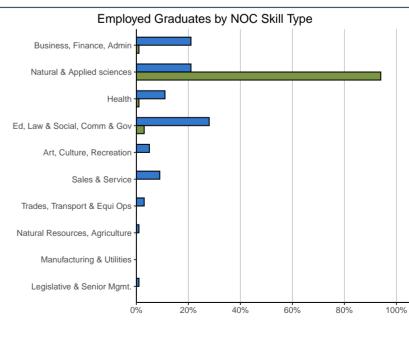
| *Of total valid responses; NC | OC 2021 (TEER) |
|-------------------------------|----------------|
|-------------------------------|----------------|

| Gross Annual Income from Main Job:* | 14. | 14.1001 | | SYSTEM | |
|---|---------|---------|--------|--------|--|
| Less than \$20,000 | ~ | ~ ~ | | 6% | |
| \$20,000 to \$39,999 | ~ | ~ | 406 | 11% | |
| \$40,000 to \$59,999 | ~ | ~ | 818 | 22% | |
| \$60,000 to \$79,999 | 19 | 32% | 1,081 | 29% | |
| \$80,000 to \$99,999 | 12 | 20% | 627 | 17% | |
| \$100,000 and Above | 23 | 39% | 623 | 17% | |
| Total | 59 | 100% | 3,763 | 100% | |
| Median Annual Income (full-time) (\$) | 88,293 | | 71,127 | | |
| Average Annual Income (full-time) (\$) | 100,035 | | 78,771 | | |
| *************************************** | | | | | |

*Where data provided

| NOC Skill Type of Main Job (NOC 2021): | 14.1001 | | SYSTEM | |
|---|---------|------|--------|------|
| Legislative and senior management | 0 | 0% | 59 | 1% |
| Business, finance & administration | 1 | 1% | 982 | 21% |
| Natural & applied sciences & related | 64 | 94% | 966 | 21% |
| Health | 1 | 1% | 527 | 11% |
| Education, law and social, community & government | 2 | 3% | 1,323 | 28% |
| Art, culture, recreation & sport | 0 | 0% | 239 | 5% |
| Sales & service | 0 | 0% | 435 | 9% |
| Trades, transport & equipment operators & related | 0 | 0% | 119 | 3% |
| Natural resources, agriculture & related production | 0 | 0% | 34 | 1% |
| Manufacturing & utilities | 0 | 0% | 19 | 0% |
| Total | 68 | 100% | 4,703 | 100% |

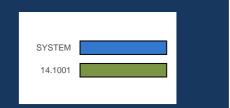




^{**}Percent = Total unemployed divided by total number in labour force

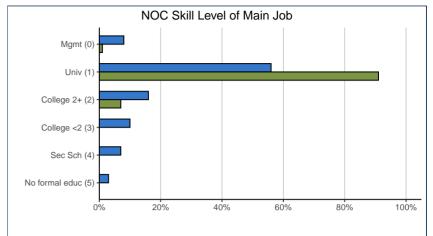
^{**}Of those who provided data on hours/week worked





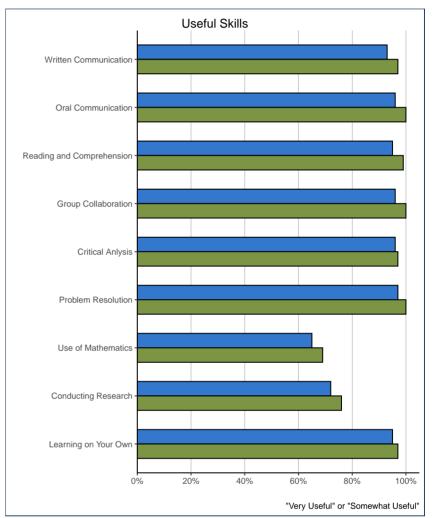
EMPLOYMENT, continued

| NOC Skill Level of Main Job (NOC 2021 (TEER)): | 14. | 14.1001 | | SYSTEM | |
|--|-----|---------|-------|--------|--|
| 0. Management | 1 | 1 1% | | 8% | |
| 1. University education | 62 | 91% | 2,648 | 56% | |
| 2. College education/trade apprenticeship (2+ years) | 5 | 7% | 748 | 16% | |
| 3. College education/trade apprenticeship (<2 years) | 0 | 0% | 476 | 10% | |
| 4. Secondary school + job-specific training | 0 | 0% | 322 | 7% | |
| 5. No formal education | 0 | 0% | 127 | 3% | |
| Total | 68 | 100% | 4,703 | 100% | |



| | 14.1001 | | | | |
|---|----------------|--------------------|--------------------|----------------------|---------|
| How useful are the following skills and abilities in doing your main job? | Very Useful | Somewhat Useful | Not Very Useful | Not at All Useful | # Resp. |
| Written Communication | 76% | 21% | 3% | 0% | 71 |
| Oral Communication | 83% | 17% | 0% | 0% | 71 |
| Reading and Comprehension | 79% | 20% | 1% | 0% | 71 |
| Group Collaboration | 80% | 20% | 0% | 0% | 70 |
| Critical Anlysis | 83% | 14% | 3% | 0% | 71 |
| Problem Resolution | 86% | 14% | 0% | 0% | 71 |
| Use of Mathematics | 38% | 31% | 28% | 3% | 71 |
| Conducting Research | 42% | 34% | 13% | 11% | 71 |
| Learning on Your Own | 83% | 14% | 1% | 1% | 71 |

| | | SYSTEM | | | |
|---|----------------|--------------------|--------------------|----------------------|---------|
| How useful are the following skills and abilities in doing your main job? | Very Useful | Somewhat Useful | Not Very Useful | Not at All Useful | # Resp. |
| Written Communication | 71% | 22% | 5% | 2% | 4,946 |
| Oral Communication | 77% | 19% | 3% | 1% | 4,956 |
| Reading and Comprehension | 73% | 22% | 3% | 1% | 4,946 |
| Group Collaboration | 78% | 18% | 2% | 1% | 4,952 |
| Critical Anlysis | 77% | 19% | 3% | 1% | 4,949 |
| Problem Resolution | 79% | 18% | 2% | 1% | 4,949 |
| Use of Mathematics | 30% | 35% | 22% | 14% | 4,790 |
| Conducting Research | 39% | 33% | 17% | 11% | 4,847 |
| Learning on Your Own | 69% | 26% | 3% | 1% | 4,942 |



| Top 10 Full-Time Occupations of 14.1001 Graduates*: | | 14.1001 | |
|---|-----------------|--|------------------------------|
| NOC_2021 | NOC Skill Level | Description | % Employed FT in this Occ.** |
| 21310 | 1 | Electrical and electronics engineers | 41% |
| 21231 | 1 | Software engineers and designers | 20% |
| 21311 | 1 | Computer engineers (except software engineers and designers) | 10% |
| 21232 | 1 | Software developers and programmers | 8% |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |

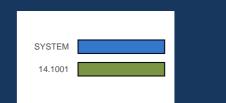
 $^{^{\}star}$ Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed

| Top 10 Full-Time Occupations of SYSTEM Graduates*: | | | SYSTEM |
|--|-----------------|---|------------------------------|
| NOC_2021 | NOC Skill Level | Description | % Employed FT in this Occ.** |
| 31301 | 1 | Registered nurses and registered psychiatric nurses | 5% |
| 21231 | 1 | Software engineers and designers | 4% |
| XXXXX | Χ | Unclassified occupations | 4% |
| 41221 | 1 | Elementary school and kindergarten teachers | 3% |
| 11202 | 1 | Professional occupations in advertising, marketing and public relations | 2% |
| 11100 | 1 | Financial auditors and accountants | 2% |
| 42201 | 2 | Social and community service workers | 2% |
| 21232 | 1 | Software developers and programmers | 2% |
| 13100 | 3 | Administrative officers | 2% |
| 41220 | 1 | Secondary school teachers | 2% |

^{*} Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed



EDUCATION FINANCING

| Funding Sources (3 sources allowed):* | 14. | 14.1001 | | TEM |
|---------------------------------------|-----|---------|-------|-----|
| Personal savings, investments | 31 | 31 40% | | 32% |
| Employment while studying | 19 | 25% | 3,012 | 50% |
| Family/Friends | 47 | 61% | 3,627 | 60% |
| Personal bank loans | 1 | 1% | 337 | 6% |
| Government student loans | 31 | 40% | 2,007 | 33% |
| Scholarships/Bursaries/Grants | 27 | 35% | 1,988 | 33% |
| Other | 38 | 49% | 1,362 | 22% |
| Total | 77 | | 6,073 | |

^{*} Percentage of respondents who identified this source

| Financial Debt Incurred to Finance Bac. Ed.:* | 14.1 | 1001 | SYS | TEM |
|---|--------|------|-------|-----|
| Incurred any form of financial debt | 36 46% | | 2,595 | 43% |
| Incurred government-sponsored student loan debt | 34 | 44% | 2,232 | 36% |

^{*} Percentage of respondents who provided data



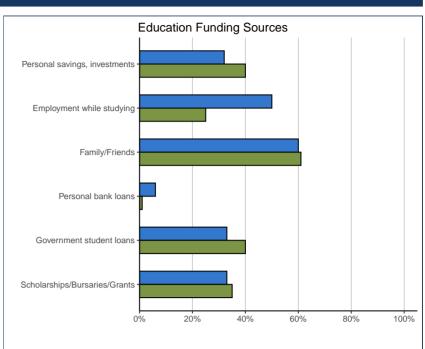
^{*} Includes only cases where financial debt was incurred

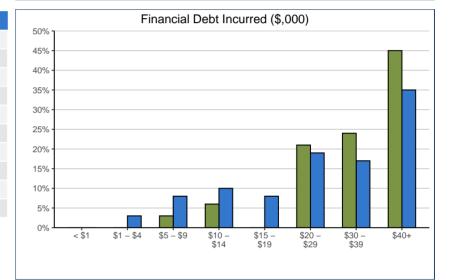


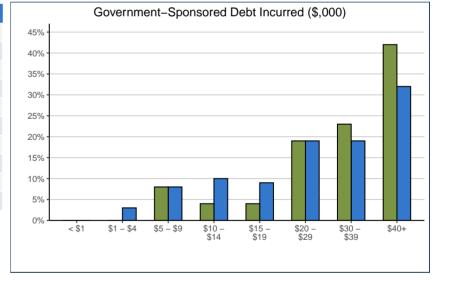
^{*} Includes only cases where government-sponsored debt was incurred

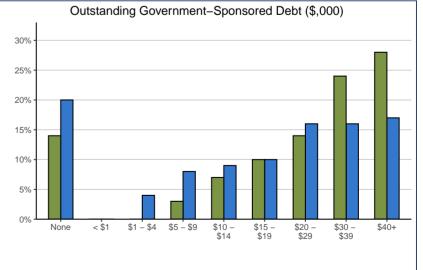


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









^{**} Median amounts shown are based on those who had remaining government student loan debt