

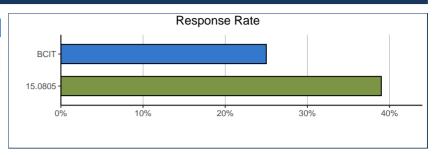
B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

15.0805 BCIT

Detailed Summary of Survey Results
British Columbia Institute of Technology
15.0805: Mechanical engineering/mechanical technology/technician

RESPONSE RATE

| Survey Response Rate: | 15.0805 | | BCIT | |
|---------------------------------------|---------|------|------|------|
| Baccalaureate Graduates Survey Cohort | 31 | 100% | 870 | 100% |
| Survey Respondents and Response Rate | 12 | 39% | 214 | 25% |

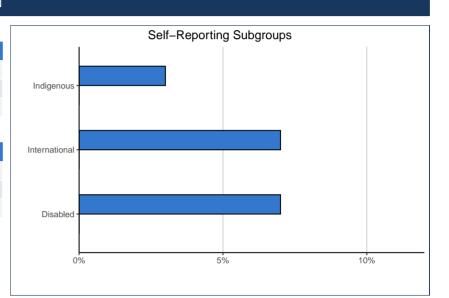


DEMOGRAPHIC INFORMATION

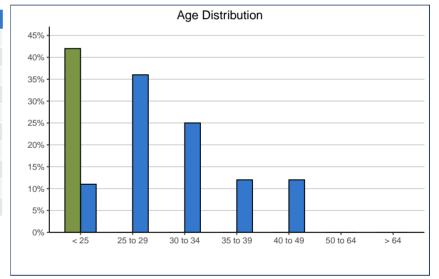
| Self-Reporting Subgroups: | 15.0805 | | BCIT | |
|---------------------------|---------|----|------|----|
| Disabled | 0 | 0% | 14 | 7% |
| International | ~ | ~ | 15 | 7% |
| Indigenous | 0 | 0% | 5 | 3% |

| Gender:* | 15.0805 | | BCIT | |
|------------|---------|------|------|------|
| Man/Boy | ~ | ~ | 134 | 63% |
| Woman/Girl | ~ | ~ | 80 | 37% |
| Total | 12 | 100% | 214 | 100% |

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



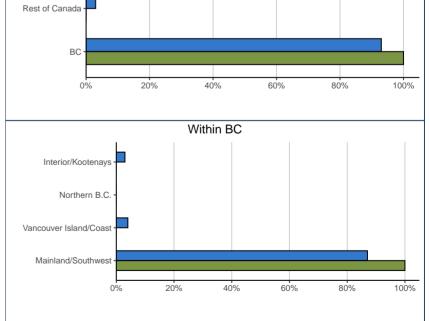
| Age (at time of survey): | 15.0805 | | BCIT | |
|--------------------------|---------|------|------|------|
| < 25 | 5 | 42% | 23 | 11% |
| 25 to 29 | ~ | ~ | 77 | 36% |
| 30 to 34 | 0 | 0% | 53 | 25% |
| 35 to 39 | 0 | 0% | 26 | 12% |
| 40 to 49 | ~ | ~ | 25 | 12% |
| 50 to 64 | ~ | ~ | ~ | ~ |
| > 64 | 0 | 0% | ~ | ~ |
| Total | 12 | 100% | 214 | 100% |
| Median Age | 26 | | 30 | |
| Average (mean) Age | 30 | | 32 | |



Place of Residence

USA

| Place of Residence (at time of survey): | 15. | 15.0805 | | BCIT | |
|---|-----|---------|-----|------|--|
| BC - Mainland/Southwest | 11 | 11 100% | | 87% | |
| BC - Vancouver Island/Coast | 0 | 0% | 7 | 4% | |
| BC – Northern B.C. | 0 | 0% | 0 | 0% | |
| BC – Interior/Kootenays | 0 | 0% | 5 | 3% | |
| BC Subtotal | 11 | 100% | 185 | 93% | |
| Canada – Alberta | 0 | 0% | ~ | ~ | |
| Canada – Ontario | 0 | 0% | 6 | 3% | |
| Canada – Other | 0 | 0% | ~ | ~ | |
| U.S.A. | 0 | 0% | 0 | 0% | |
| Non-BC Subtotal | 0 | 0% | 14 | 7% | |
| Total | 11 | 100% | 199 | 100% | |





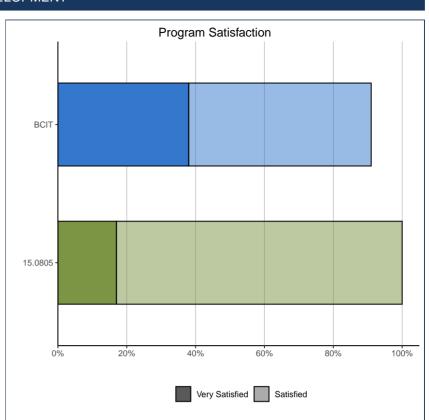


EDUCATION EVALUATION AND SKILL DEVELOPMENT

| Program Satisfaction: | 15.0805 | | BCIT | |
|-----------------------|---------|------|------|------|
| Very Satisfied | 2 | 17% | 81 | 38% |
| Satisfied | 10 | 83% | 112 | 53% |
| Dissatisfied | 0 | 0% | 14 | 7% |
| Very Dissatisfied | 0 | 0% | 4 | 2% |
| Total | 12 | 100% | 211 | 100% |

| Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work: | 15 | 15.0805 | | всіт | |
|---|----|---------|-----|------|--|
| Very Useful | 4 | 44% | 96 | 51% | |
| Somewhat Useful | 5 | 56% | 77 | 41% | |
| Not Very Useful | 0 | 0% | 13 | 7% | |
| Not at All Useful | 0 | 0% | 4 | 2% | |
| Total | 9 | 100% | 190 | 100% | |
| | | | | | |

| Took upgrading, access, bridging, or other preparatory courses during or prior to studies: | 15. | 15.0805 | | BCIT | |
|--|-----|---------|-----|------|--|
| Yes | 4 | 33% | 24 | 12% | |
| No | 8 | 67% | 183 | 88% | |



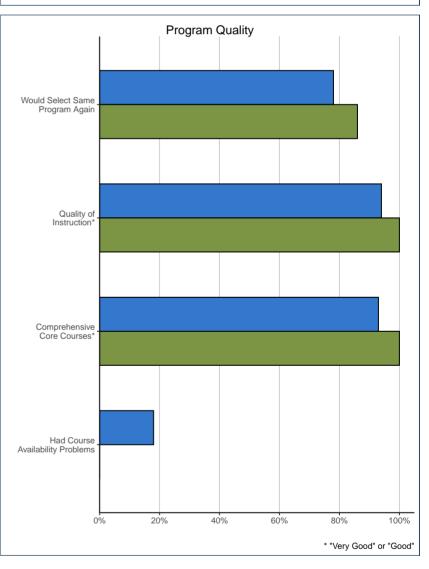
| Would select the same program again: | 15.0805 | | BCIT | |
|--------------------------------------|---------|-----|------|-----|
| Yes | 6 | 86% | 154 | 78% |
| No | 1 | 14% | 44 | 22% |

| Quality of Instruction: | 15.0805 | | BCIT | |
|-------------------------|---------|------|------|------|
| Very Good | 2 | 17% | 68 | 32% |
| Good | 10 | 83% | 132 | 62% |
| Poor | 0 | 0% | 11 | 5% |
| Very Poor | 0 | 0% | 1 | 0% |
| Total | 12 | 100% | 212 | 100% |

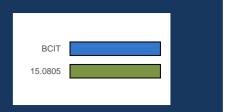
| Comprehensiveness of Core Courses: | 15.0 | 15.0805 | | BCIT | |
|------------------------------------|------|---------|-----|------|--|
| Very Good | 3 | 27% | 69 | 33% | |
| Good | 8 | 73% | 127 | 60% | |
| Poor | 0 | 0% | 11 | 5% | |
| Very Poor | 0 | 0% | 3 | 1% | |
| Total | 11 | 100% | 210 | 100% | |

| Course Availability: | 15.0805 | | BCIT | |
|--|---------|----|------|-----|
| Encountered course availability problems | 0 | 0% | 38 | 18% |

| Financial Constraints: | 15.0805 | | BCIT | |
|---|---------|----|------|-----|
| Had to interrupt studies for financial reasons | 0 | 0% | 19 | 9% |
| Had to take program part-time for financial reasons | 0 | 0% | 35 | 17% |



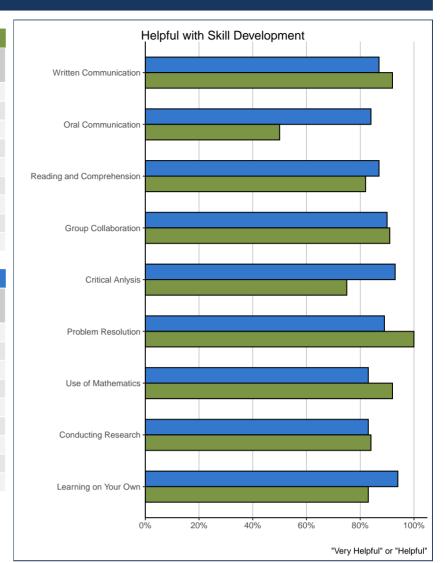




SKILL DEVELOPMENT

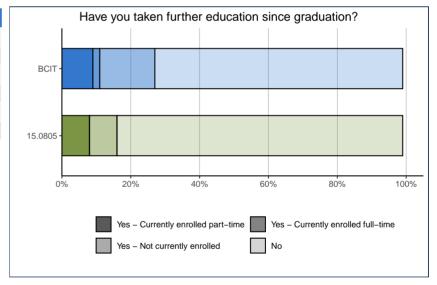
| | | | 15.0805 | | |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very Helpful | Helpful | Not Very Helpful | Not at All Helpful | # Resp. |
| Written Communication | 17% | 75% | 0% | 8% | 12 |
| Oral Communication | 10% | 40% | 40% | 10% | 10 |
| Reading and Comprehension | 18% | 64% | 9% | 9% | 11 |
| Group Collaboration | 33% | 58% | 8% | 0% | 12 |
| Critical Anlysis | 33% | 42% | 25% | 0% | 12 |
| Problem Resolution | 33% | 67% | 0% | 0% | 12 |
| Use of Mathematics | 67% | 25% | 8% | 0% | 12 |
| Conducting Research | 17% | 67% | 8% | 8% | 12 |
| Learning on Your Own | 33% | 50% | 17% | 0% | 12 |

| | | | BCIT | | |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very Helpful | Helpful | Not Very Helpful | Not at All Helpful | # Resp. |
| Written Communication | 29% | 58% | 12% | 2% | 206 |
| Oral Communication | 24% | 60% | 14% | 2% | 204 |
| Reading and Comprehension | 32% | 55% | 11% | 2% | 204 |
| Group Collaboration | 46% | 44% | 9% | 2% | 210 |
| Critical Anlysis | 45% | 48% | 7% | 0% | 211 |
| Problem Resolution | 33% | 56% | 8% | 3% | 209 |
| Use of Mathematics | 34% | 49% | 14% | 4% | 187 |
| Conducting Research | 33% | 50% | 13% | 3% | 201 |
| Learning on Your Own | 42% | 52% | 6% | 1% | 213 |

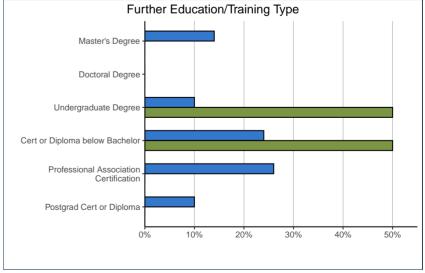


FURTHER EDUCATION

| Took further education since 2022 graduation: | 15.0805 | | BCIT | |
|---|---------|------|------|------|
| Yes | 2 | 17% | 59 | 28% |
| Not currently enrolled | 1 | 8% | 34 | 16% |
| Currently enrolled full-time | 0 | 0% | 5 | 2% |
| Currently enrolled part-time | 1 | 8% | 20 | 9% |
| No | 10 | 83% | 154 | 72% |
| Total | 12 | 100% | 213 | 100% |



| Type of Formal Post–Secondary Education: | 15 | 15.0805 | | всіт | |
|---|----|---------|----|------|--|
| Master's Degree | 0 | 0% | 8 | 14% | |
| Doctoral Degree | 0 | 0% | 0 | 0% | |
| Another Undergraduate Degree | 1 | 50% | 6 | 10% | |
| Certificate or Diploma below Bachelor Level | 1 | 50% | 14 | 24% | |
| Professional Association Certification | 0 | 0% | 15 | 26% | |
| Postgraduate Certificate or Diploma | 0 | 0% | 6 | 10% | |
| Other | 0 | 0% | 9 | 16% | |
| Total | 2 | 100% | 58 | 100% | |

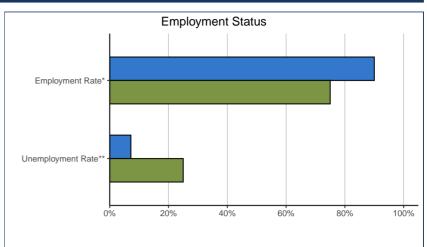




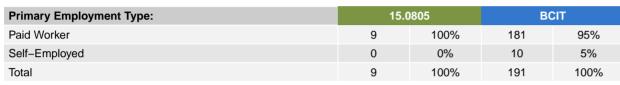
EMPLOYMENT

| Labour Fource Status: | 15 | 15.0805 | | CIT |
|---|----|---------|------|------|
| In Labour Force (working or seeking work) | 12 | 100% | 207 | 98% |
| Not in Labour Force | 0 | 0% | 5 | 2% |
| Total | 12 | 100% | 212 | 100% |
| | | | | |
| Employment: | 15 | .0805 | BCIT | |
| Employment Rate* | 9 | 75% | 192 | 90% |
| Unemployment Rate** | 3 | 25.0% | 15 | 7.2% |

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

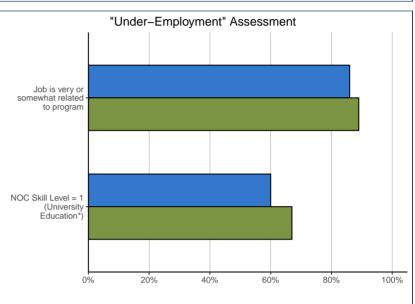


| Status of Graduates NOT in Labour Force: | 15.0805 | | BCIT | |
|--|---------|----|------|------|
| Attending School FT | 0 | 0% | 1 | 20% |
| Attending School PT | 0 | 0% | 0 | 0% |
| Other | 0 | 0% | 4 | 80% |
| Total NOT in Labour Force | 0 | 0% | 5 | 100% |
| | | | | |



| Job Characteristics: | 15.0805 | | всіт | |
|---|---------|------|------|-----|
| I hold more than one job* | 0 | 0% | 24 | 13% |
| My main job is full-time (>= 30 hours per week)** | 9 | 100% | 182 | 98% |

^{*}Of total employed



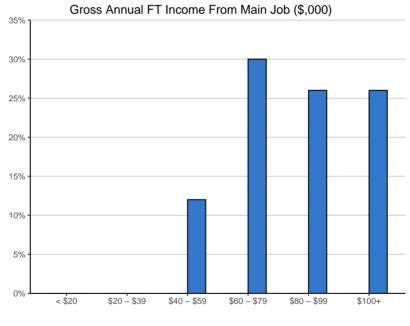
| How related is your main job to your program? | 15.0805 | | BCIT | |
|---|---------|------|------|------|
| Very Related | 4 | 44% | 110 | 58% |
| Somewhat Related | 4 | 44% | 54 | 28% |
| Not Very Related | 0 | 0% | 12 | 6% |
| Not at All Related | 1 | 11% | 15 | 8% |
| Total | 9 | 100% | 191 | 100% |

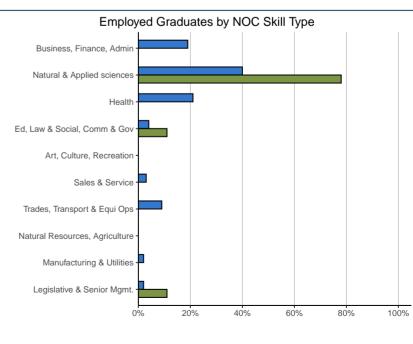
| "Under-Employment" Assessment: | 15.0805 | | BCIT | |
|---|---------|-----|------|-----|
| Job is very or somewhat related to program | 8 | 89% | 164 | 86% |
| NOC Skill Level = 1 (University Education)* | 6 | 67% | 106 | 60% |

| *Of total valid re | sponses; NOC | 2021 (TEER) |
|--------------------|--------------|-------------|
|--------------------|--------------|-------------|

| Gross Annual Income from Main Job:* | 15.0805 | | BCIT | |
|--|---------|------|--------|------|
| Less than \$20,000 | 0 | 0% | ~ | ~ |
| \$20,000 to \$39,999 | 0 | 0% | ~ | ~ |
| \$40,000 to \$59,999 | ~ | ~ | 18 | 12% |
| \$60,000 to \$79,999 | ~ | ~ | 45 | 30% |
| \$80,000 to \$99,999 | ~ | ~ | 40 | 26% |
| \$100,000 and Above | 0 | 0% | 40 | 26% |
| Total | 7 | 100% | 151 | 100% |
| Median Annual Income (full-time) (\$) | 80,000 | | 83,136 | |
| Average Annual Income (full-time) (\$) | 74,966 | | 88,207 | |
| *Where data provided | | | | |

| NOC Skill Type of Main Job (NOC 2021): | 15. | 15.0805 | | BCIT | |
|---|-----|---------|-----|------|--|
| Legislative and senior management | 1 | 11% | 3 | 2% | |
| Business, finance & administration | 0 | 0% | 33 | 19% | |
| Natural & applied sciences & related | 7 | 78% | 71 | 40% | |
| Health | 0 | 0% | 38 | 21% | |
| Education, law and social, community & government | 1 | 11% | 8 | 4% | |
| Art, culture, recreation & sport | 0 | 0% | 0 | 0% | |
| Sales & service | 0 | 0% | 6 | 3% | |
| Trades, transport & equipment operators & related | 0 | 0% | 16 | 9% | |
| Natural resources, agriculture & related production | 0 | 0% | 0 | 0% | |
| Manufacturing & utilities | 0 | 0% | 3 | 2% | |
| Total | 9 | 100% | 178 | 100% | |

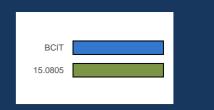




^{**}Percent = Total unemployed divided by total number in labour force

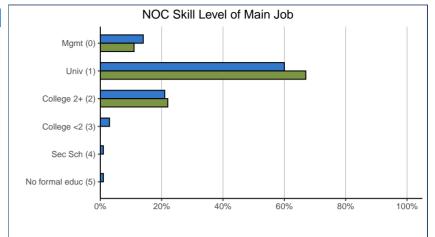
^{**}Of those who provided data on hours/week worked





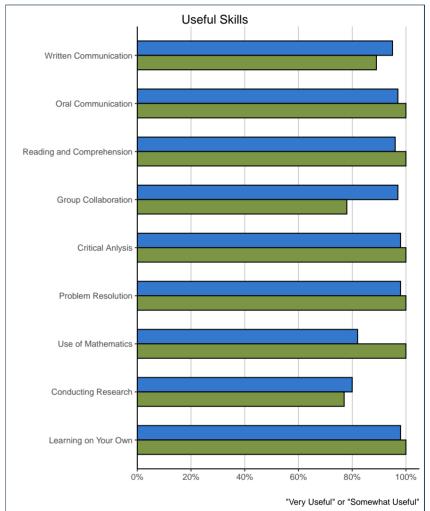
EMPLOYMENT, continued

| NOC Skill Level of Main Job (NOC 2021 (TEER)): | 15. | 15.0805 | | BCIT | |
|--|-----|---------|-----|------|--|
| 0. Management | 1 | 11% | 25 | 14% | |
| 1. University education | | 67% | 106 | 60% | |
| 2. College education/trade apprenticeship (2+ years) | 2 | 22% | 38 | 21% | |
| 3. College education/trade apprenticeship (<2 years) | 0 | 0% | 6 | 3% | |
| 4. Secondary school + job-specific training | 0 | 0% | 1 | 1% | |
| 5. No formal education | 0 | 0% | 2 | 1% | |
| Total | 9 | 100% | 178 | 100% | |



| | 15.0805 | | | | |
|---|----------------|--------------------|--------------------|----------------------|---------|
| 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 | 78% | 11% | 11% | 0% | 9 |
| Oral Communication | 78% | 22% | 0% | 0% | 9 |
| Reading and Comprehension | 78% | 22% | 0% | 0% | 9 |
| Group Collaboration | 78% | 0% | 22% | 0% | 9 |
| Critical Anlysis | 89% | 11% | 0% | 0% | 9 |
| Problem Resolution | 100% | 0% | 0% | 0% | 9 |
| Use of Mathematics | 67% | 33% | 0% | 0% | 9 |
| Conducting Research | 33% | 44% | 22% | 0% | 9 |
| Learning on Your Own | 78% | 22% | 0% | 0% | 9 |

| | | | BCIT | | |
|---|----------------|--------------------|--------------------|----------------------|---------|
| 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 | 77% | 18% | 3% | 2% | 190 |
| Oral Communication | 76% | 21% | 2% | 1% | 191 |
| Reading and Comprehension | 76% | 20% | 2% | 2% | 191 |
| Group Collaboration | 76% | 21% | 3% | 0% | 191 |
| Critical Anlysis | 83% | 15% | 2% | 1% | 190 |
| Problem Resolution | 79% | 19% | 1% | 1% | 191 |
| Use of Mathematics | 40% | 42% | 12% | 6% | 185 |
| Conducting Research | 45% | 35% | 14% | 5% | 187 |
| Learning on Your Own | 71% | 27% | 3% | 0% | 191 |



| Top 10 Full-Tim | e Occupations of 15.0805 G | Fraduates*: | 15.0805 |
|-----------------|----------------------------|-------------|------------------------------|
| NOC_2021 | NOC Skill Level | Description | % Employed FT in this Occ.** |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |
| * | | | |

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

^{**} Percentages cited are of those employed

| Top 10 Full-Time | Top 10 Full-Time Occupations of BCIT Graduates*: | | |
|------------------|--|---|------------------------------|
| NOC_2021 | NOC Skill Level | Description | % Employed FT in this Occ.** |
| 31301 | 1 | Registered nurses and registered psychiatric nurses | 17% |
| 11100 | 1 | Financial auditors and accountants | 7% |
| 70010 | 0 | Construction managers | 5% |
| 21310 | 1 | Electrical and electronics engineers | 4% |
| XXXXX | Χ | Unclassified occupations | 4% |
| 21231 | 1 | Software engineers and designers | 3% |
| * | | | |
| * | | | |
| * | | | |
| * | | | |

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

^{**} Percentages cited are of those employed



EDUCATION FINANCING

| Funding Sources (3 sources allowed):* | 15. | 15.0805 | | CIT |
|---------------------------------------|-----|---------|-----|-----|
| Personal savings, investments | 7 | 58% | 93 | 45% |
| Employment while studying | | 25% | 91 | 44% |
| Family/Friends | 8 | 67% | 84 | 40% |
| Personal bank loans | 1 | 8% | 13 | 6% |
| Government student loans | 4 | 33% | 83 | 40% |
| Scholarships/Bursaries/Grants | 4 | 33% | 44 | 21% |
| Other | 1 | 8% | 39 | 19% |
| Total | 12 | | 208 | |

^{*} Percentage of respondents who identified this source

| nancial Debt Incurred to Finance Bac. Ed.:* 15.0805 | | 0805 | В | CIT |
|---|---|------|-----|-----|
| Incurred any form of financial debt | 6 | 50% | 105 | 50% |
| Incurred government-sponsored student loan debt | 5 | 42% | 91 | 43% |

^{*} Percentage of respondents who provided data



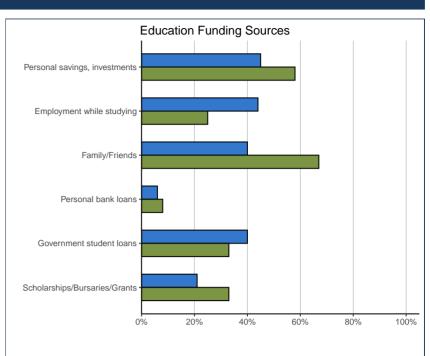
^{*} Includes only cases where financial debt was incurred

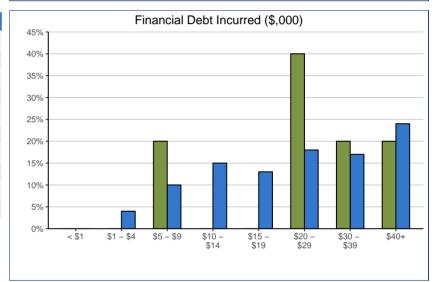


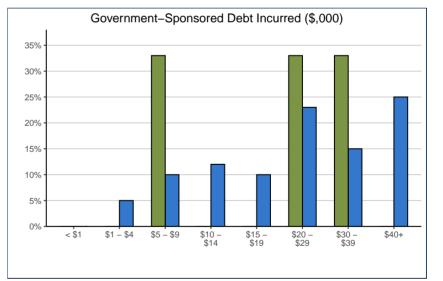
^{*} Includes only cases where government-sponsored debt was incurred

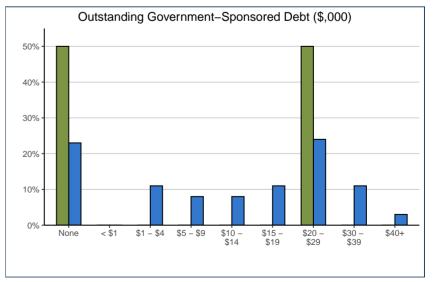


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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