B.C. Baccalaureate Outcomes
2023 Survey of 2021 Baccalaureate Graduates

Detailed Summary of Survey Results
All Institutions
30.0801: Mathematics and computer science

SYSTEM		
30.0801		

RESPONSE RATE

Survey Response Rate:	30.0801		SYSTEM	
Baccalaureate Graduates Survey Cohort	36	100%	25,962	100%
Survey Respondents and Response Rate	17	47%	8,603	33%

Response Rate
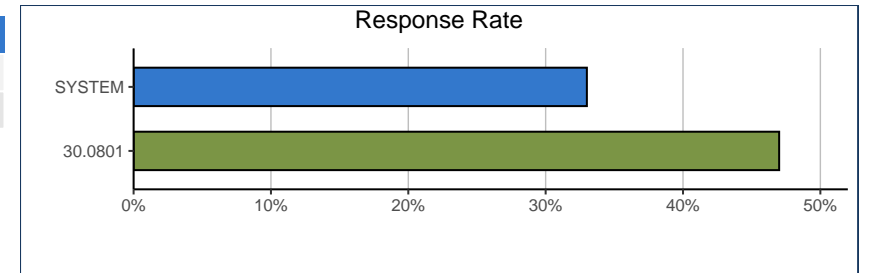
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	30.0801		SYSTEM	
Disabled	~	~	1,079	13%
International	6	35%	1,153	13%
Aboriginal	0	0%	330	5%
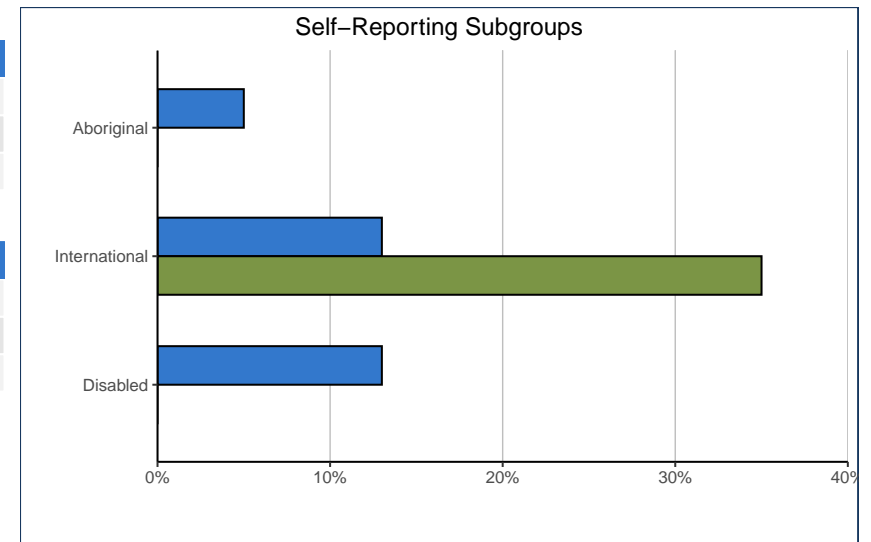
Gender:*	30.0801		SYSTEM	
Male	~	~	3,534	41%
Female	~	~	5,051	59%
Total	17	100%	8,585	100%

*Due to zero or low counts, institution–reported "Non–binary" demographic data are not included.

Self–Reporting Subgroups

Age (at time of survey):	30.0801		SYSTEM	
< 25	~	~	1,417	17%
25 to 29	12	71%	5,150	60%
30 to 34	~	~	994	12%
35 to 39	0	0%	417	5%
40 to 49	~	~	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	17	100%	8,586	100%
Median Age	27		26	
Average (mean) Age	27		28	

Age Distribution
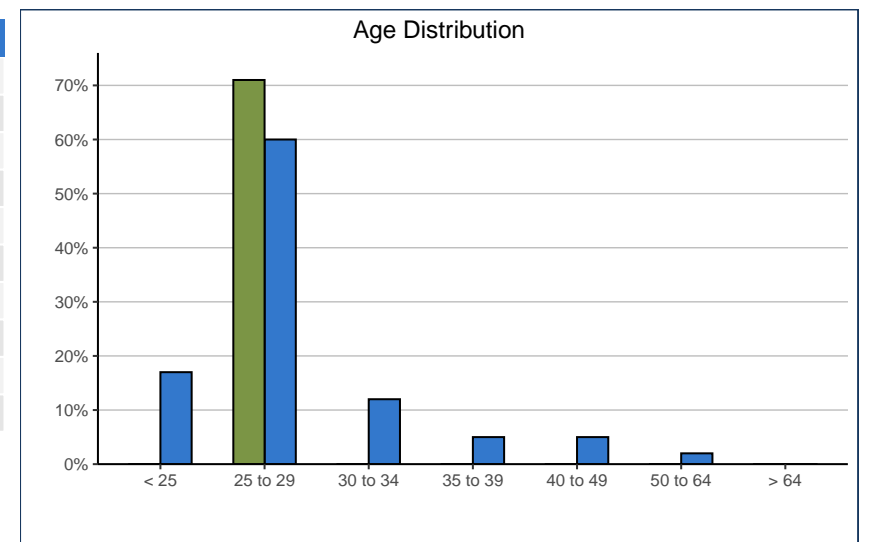
Place of Residence (at time of survey):	30.0801		SYSTEM	
BC – Mainland/Southwest	7	47%	4,824	64%
BC – Vancouver Island/Coast	~	~	1,065	14%
BC – Northern B.C.	~	~	225	3%
BC – Interior/Kootenays	0	0%	673	9%
BC Subtotal	13	87%	6,787	89%
Canada – Alberta	0	0%	328	4%
Canada – Ontario	~	~	239	3%
Canada – Other	0	0%	165	2%
U.S.A.	0	0%	75	1%
Non–BC Subtotal	~	~	807	11%
Total	~	~	7,594	100%

Place of Residence

Within BC

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
30.0801: Mathematics and computer science
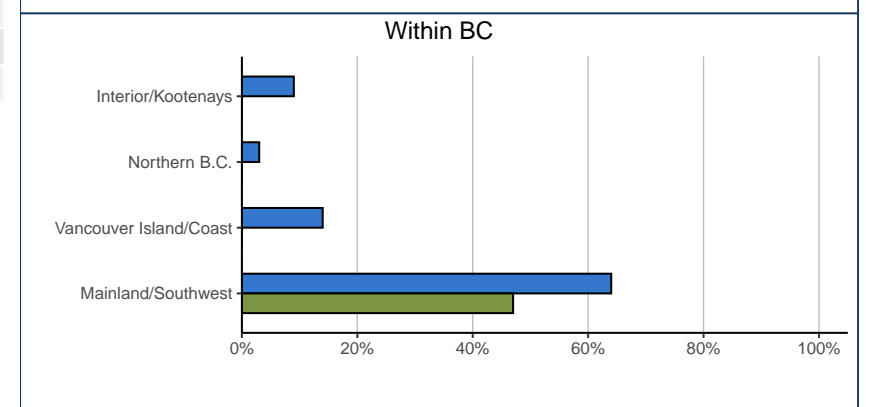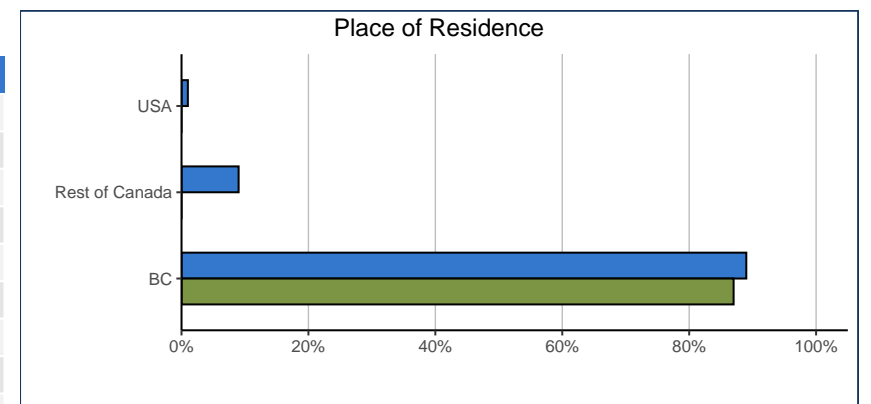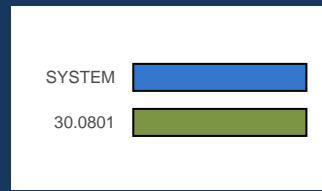
SYSTEM
30.0801

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	30.0801		SYSTEM	
Very Satisfied	5	29%	2,262	27%
Satisfied	11	65%	5,296	62%
Dissatisfied	1	6%	740	9%
Very Dissatisfied	0	0%	184	2%
Total	17	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	30.0801		SYSTEM	
Very Useful	7	78%	2,704	39%
Somewhat Useful	1	11%	3,247	46%
Not Very Useful	1	11%	814	12%
Not at All Useful	0	0%	250	4%
Total	9	100%	7,015	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	30.0801		SYSTEM	
Yes	2	12%	818	10%
No	15	88%	7,545	90%

Program Satisfaction
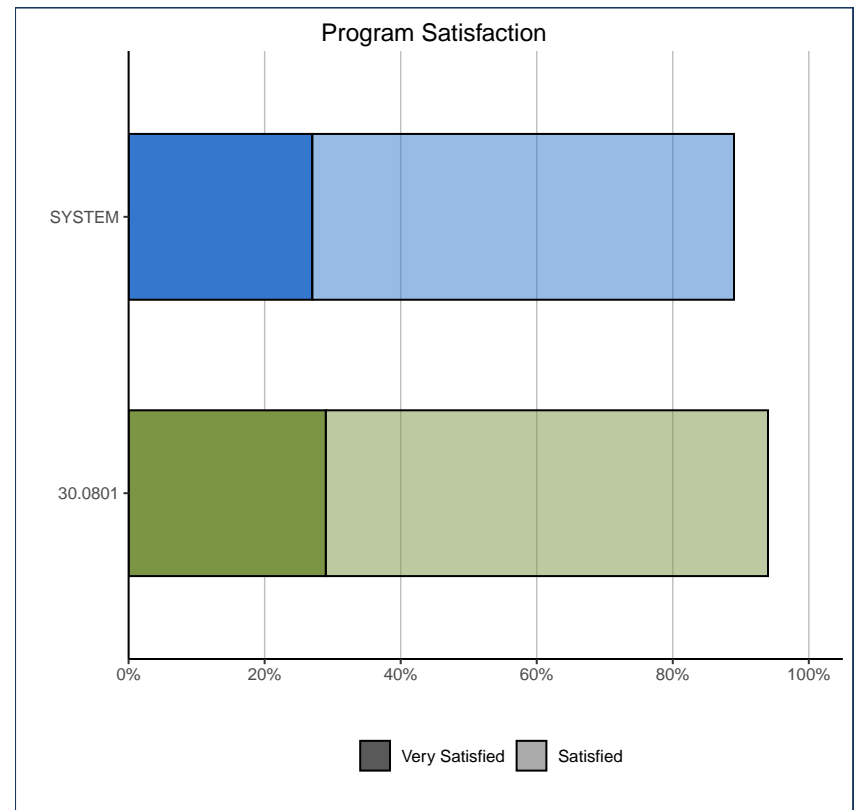
Would select the same program again:	30.0801		SYSTEM	
Yes	14	88%	5,501	73%
No	2	13%	2,019	27%

Quality of Instruction:	30.0801		SYSTEM	
Very Good	5	29%	2,328	27%
Good	12	71%	5,423	64%
Poor	0	0%	649	8%
Very Poor	0	0%	131	2%
Total	17	100%	8,531	100%
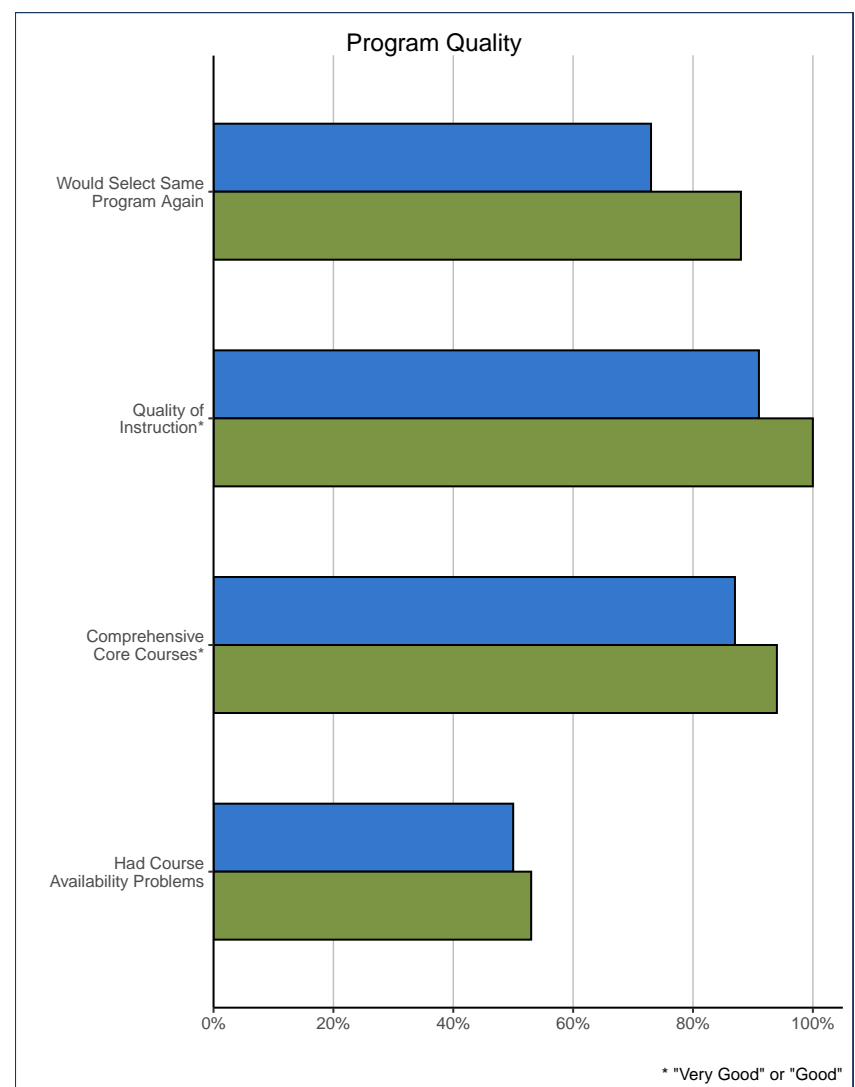
Comprehensiveness of Core Courses:	30.0801		SYSTEM	
Very Good	5	29%	2,206	26%
Good	11	65%	5,161	61%
Poor	1	6%	862	10%
Very Poor	0	0%	171	2%
Total	17	100%	8,400	100%

Course Availability:	30.0801		SYSTEM	
Encountered course availability problems	9	53%	4,193	50%

| Financial Constraints:	30.0801		SYSTEM	
Had to interrupt studies for financial reasons	1	6%	926	11%
Had to take program part–time for financial reasons	3	18%	1,545	18%

Program Quality

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
30.0801: Mathematics and computer science
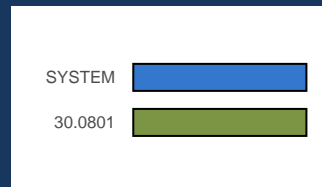
SYSTEM
30.0801

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	30.0801				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	25%	63%	13%	0%	16
Oral Communication	44%	31%	25%	0%	16
Reading and Comprehension	29%	65%	6%	0%	17
Group Collaboration	35%	29%	35%	0%	17
Critical Anlysis	47%	53%	0%	0%	17
Problem Resolution	24%	59%	12%	6%	17
Use of Mathematics	82%	18%	0%	0%	17
Conducting Research	19%	44%	31%	6%	16
Learning on Your Own	47%	47%	0%	6%	17

Skill Development: How helpful was institution?	SYSTEM				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	57%	13%	3%	8,300
Oral Communication	25%	56%	17%	3%	8,321
Reading and Comprehension	30%	56%	13%	2%	8,343
Group Collaboration	28%	52%	17%	4%	8,403
Critical Anlysis	42%	49%	7%	2%	8,503
Problem Resolution	25%	55%	17%	3%	8,293
Use of Mathematics	21%	47%	24%	8%	6,569
Conducting Research	30%	50%	17%	4%	8,092
Learning on Your Own	38%	50%	9%	3%	8,397

Helpful with Skill Development
"Very Helpful" or "Helpful"
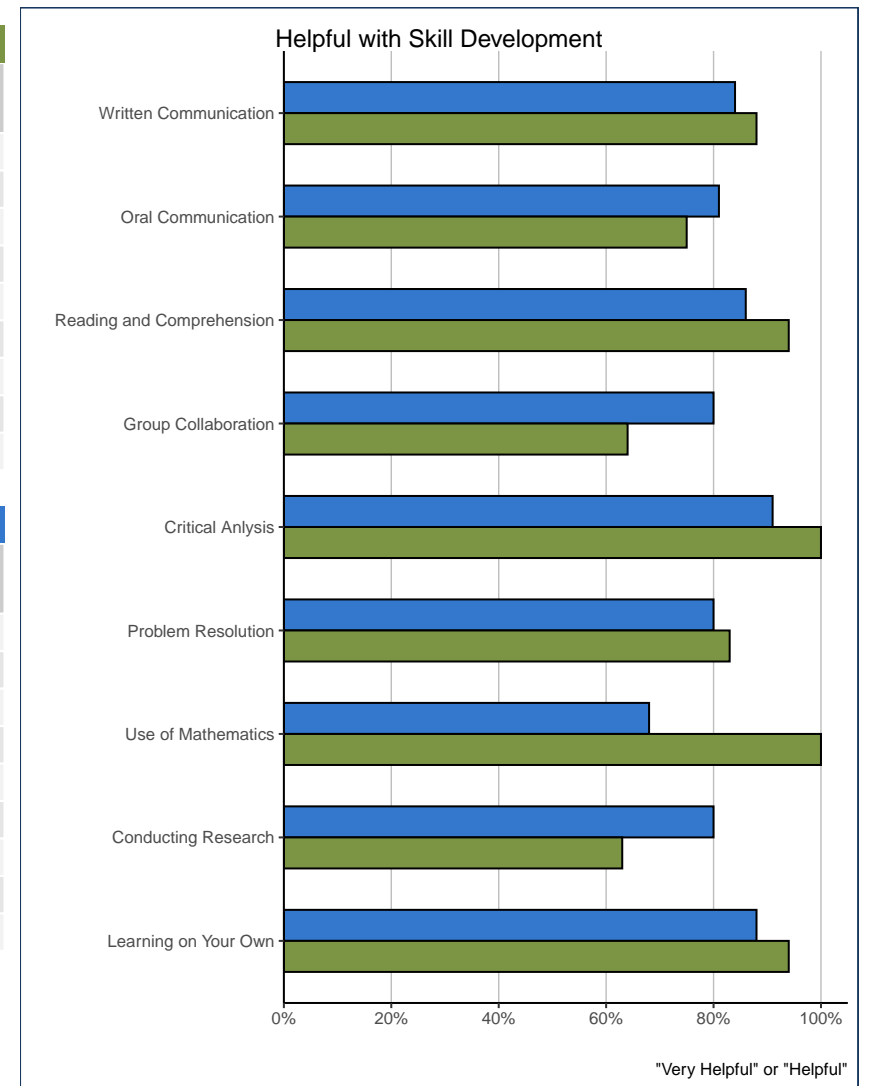
FURTHER EDUCATION

Took further education since 2021 graduation:	30.0801		SYSTEM	
Yes	7	41%	3,668	43%
Not currently enrolled	3	18%	1,580	19%
Currently enrolled full–time	4	24%	1,472	17%
Currently enrolled part–time	0	0%	565	7%
No	10	59%	4,870	57%
Total	17	100%	8,538	100%

Have you taken further education since graduation?

- Yes – Currently enrolled part–time
- Yes – Currently enrolled full–time
- Yes – Not currently enrolled
- No
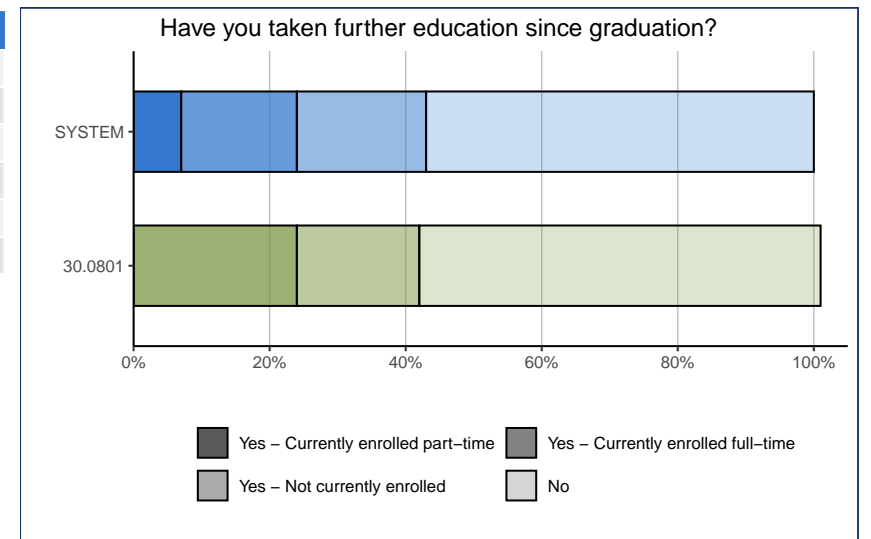
Type of Formal Post–Secondary Education:	30.0801		SYSTEM	
Masters Degree	3	43%	1,184	33%
Doctoral Degree	1	14%	153	4%
Another Undergraduate Degree	0	0%	718	20%
Certificate or Diploma below Bachelor level	0	0%	510	14%
Professional Association Certification	2	29%	538	15%
Postgraduate Certificate or Diploma	1	14%	359	10%
Other	0	0%	162	4%
Total	7	100%	3,624	100%

Further Education/Training Type

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
30.0801: Mathematics and computer science
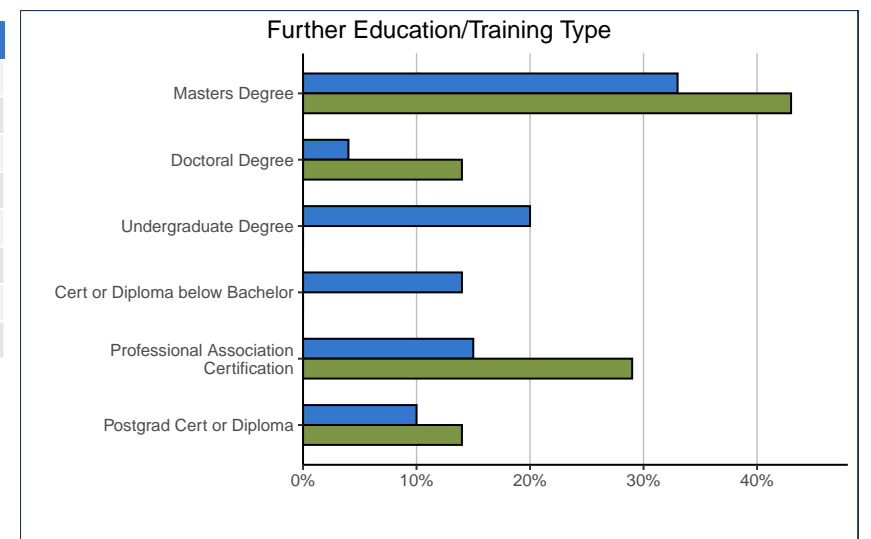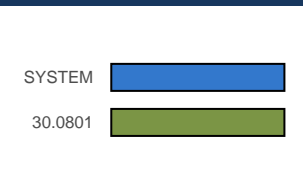
SYSTEM
30.0801

EMPLOYMENT

Labour Fource Status:	30.0801		SYSTEM	
In Labour Force (working or seeking work)	14	88%	7,643	90%
Not in Labour Force	2	13%	803	10%
Total	16	100%	8,446	100%

Employment:	30.0801		SYSTEM	
Employment Rate*	9	53%	7,062	82%
Unemployment Rate**	5	35.7%	581	7.6%

*Percent = Total employed divided by total number of respondents
**Percent = Total unemployed divided by total number in Labour Force
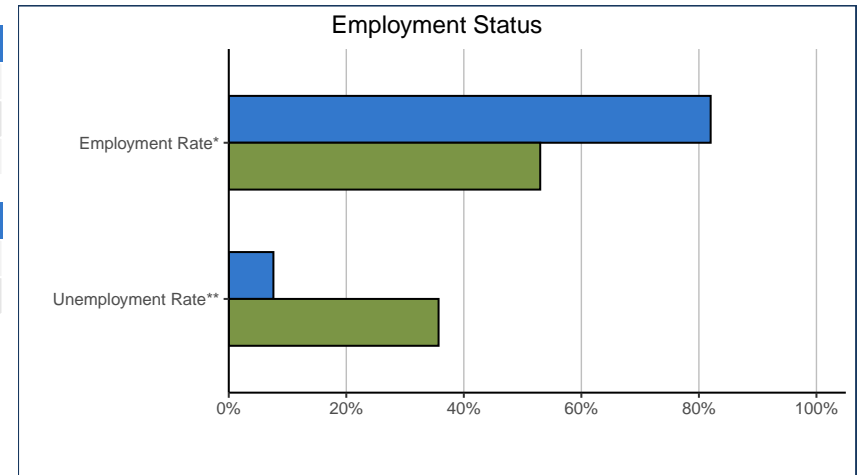
Employment Status

Status of Graduates NOT in Labour Force:	30.0801		SYSTEM	
Attending School FT	2	100%	565	70%
Attending School PT	0	0%	20	2%
Other	0	0%	218	27%
Total NOT in Labour Force	2	100%	803	100%
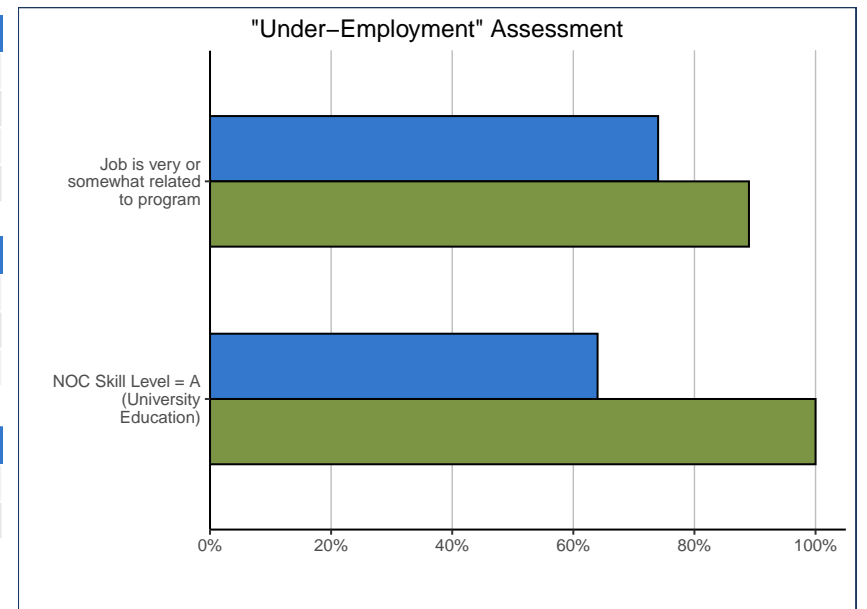
Primary Employment Type:	30.0801		SYSTEM	
Paid worker	9	100%	6,623	94%
Self–employed	0	0%	412	6%
Total	9	100%	7,035	100%

Job Characteristics:	30.0801		SYSTEM	
I hold more than one job*	1	11%	1,243	18%
My main job is full–time (>= 30 hours per week)**	6	86%	5,922	89%

*Of total Employed
**Of those who provided data on hours/week worked

"Under–Employment" Assessment

How related is your main job to your program?	30.0801		SYSTEM	
Very Related	5	56%	3,081	44%
Somewhat Related	3	33%	2,151	31%
Not Very Related	1	11%	901	13%
Not at All Related	0	0%	910	13%
Total	9	100%	7,043	100%
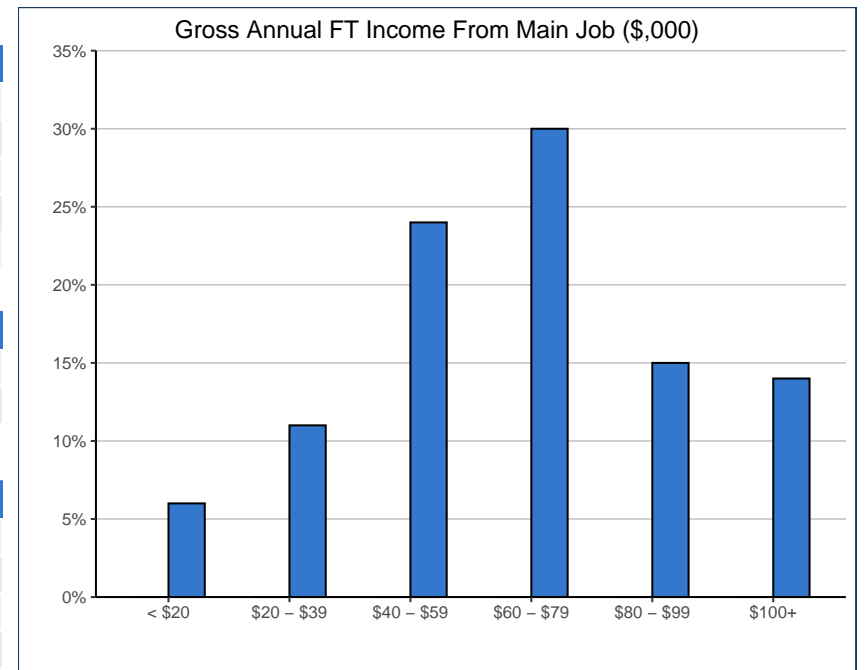
"Under–employment" Assessment:	30.0801		SYSTEM	
Job is very or somewhat related to program	8	89%	5,232	74%
NOC Skill Level = A (University Education)*	9	100%	4,148	64%

*Of total valid responses

Gross Annual Income from Main Job:*	30.0801		SYSTEM	
Less than $20,000	~	~	310	6%
$20,000 to $39,999	0	0%	593	11%
$40,000 to $59,999	0	0%	1,303	24%
$60,000 to $79,999	~	~	1,609	30%
$80,000 to $99,999	0	0%	805	15%
$100,000 and Above	~	~	729	14%
Total	6	100%	5,349	100%
Median Annual Income (full–time) ($)	76,384		68,000	
Average Annual Income (full–time) ($)	90,847		74,015	

*Where data provided

Gross Annual FT Income From Main Job ($,000)

NOC Skill Type of Main Job:	30.0801		SYSTEM	
Business, finance & administration	0	0%	1,558	24%
Natural & applied sciences & related	7	78%	1,354	21%
Health	0	0%	761	12%
Education, law and social, community & government	2	22%	1,787	27%
Art, culture, recreation & sport	0	0%	296	5%
Sales & service	0	0%	559	9%
Trades, transport & equipment operators & related	0	0%	114	2%
Natural resources, agriculture & related production	0	0%	35	1%
Manufacturing & utilities	0	0%	35	1%
Total	9	100%	6,499	100%

Employed Graduates by NOC Skill Type

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
30.0801: Mathematics and computer science
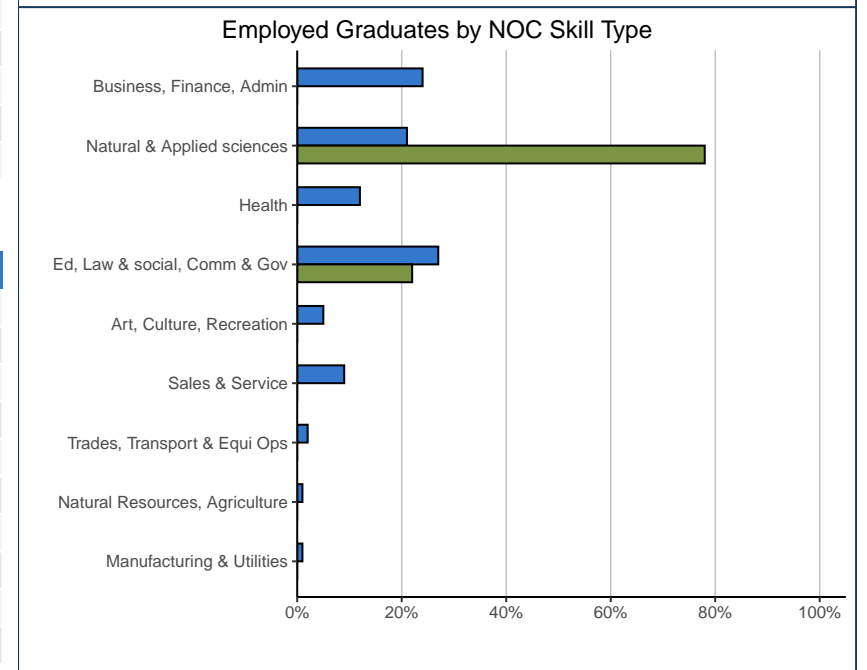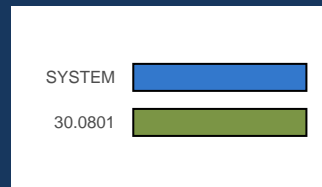
SYSTEM
30.0801

EMPLOYMENT, continued

NOC Skill Level of Main Job:	30.0801		SYSTEM	
A. University education	9	100%	4,148	64%
B. College education/trade apprenticeship	0	0%	1,713	26%
C. Secondary school + job–specific training	0	0%	564	9%
D. No formal education	0	0%	90	1%
Total	9	100%	6,515	100%
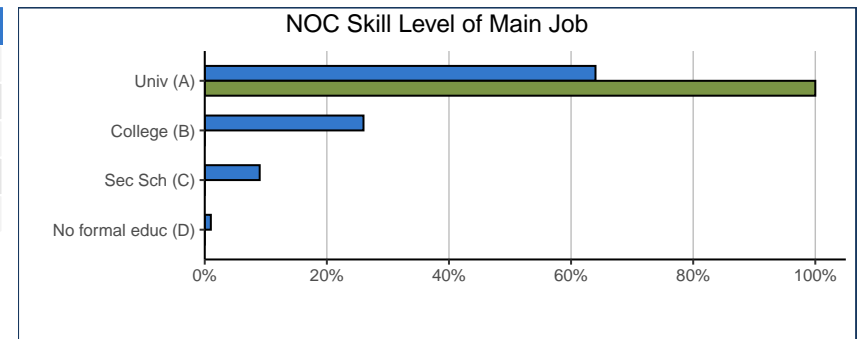
NOC Skill Level of Main Job

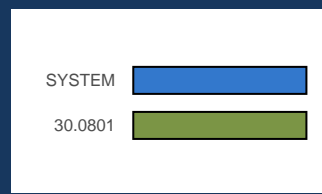|	30.0801				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	78%	22%	0%	0%	9
Oral Communication	89%	11%	0%	0%	9
Reading and Comprehension	78%	11%	11%	0%	9
Group Collaboration	67%	33%	0%	0%	9
Critical Anlysis	78%	22%	0%	0%	9
Problem Resolution	89%	11%	0%	0%	9
Use of Mathematics	67%	11%	11%	11%	9
Conducting Research	44%	33%	11%	11%	9
Learning on Your Own	89%	11%	0%	0%	9
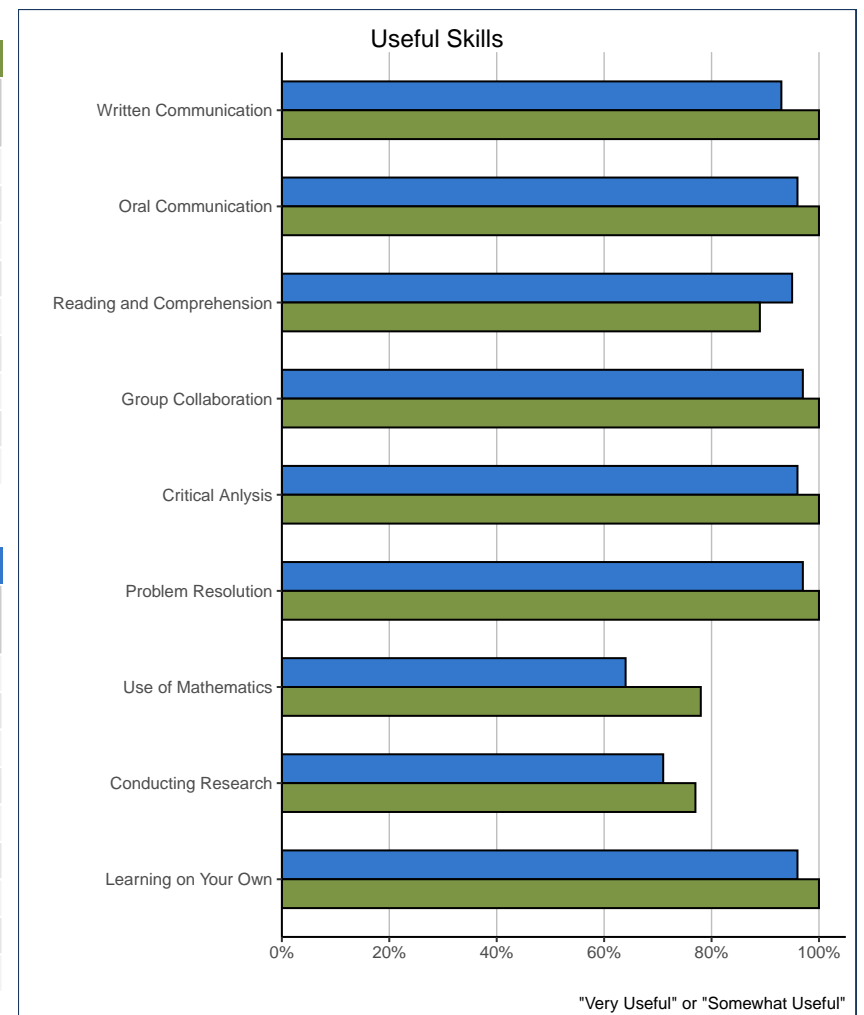
	SYSTEM				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	71%	22%	4%	2%	7,014
Oral Communication	78%	18%	2%	1%	7,014
Reading and Comprehension	72%	23%	4%	1%	7,014
Group Collaboration	79%	18%	2%	1%	7,016
Critical Anlysis	76%	20%	3%	1%	7,016
Problem Resolution	80%	17%	2%	1%	7,013
Use of Mathematics	27%	37%	22%	14%	6,834
Conducting Research	37%	34%	17%	11%	6,904
Learning on Your Own	70%	26%	3%	2%	6,997

Useful Skills

"Very Useful" or "Somewhat Useful"

Top 10 Full–time Occupations of 30.0801 Graduates:			30.0801
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2174	A	Computer programmers and interactive media developers	67%
*			
*			
*			
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*			

* Data not displayed where n < 5

** Percentages cited are of those employed

| Top 10 Full–time Occupations of SYSTEM Graduates:			SYSTEM
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	6%
XXXX	O	Unclassified occupations	5%
2173	A	Software engineers and designers	3%
1111	A	Financial auditors and accountants	3%
4032	A	Elementary school and kindergarten teachers	3%
4212	B	Social and community service workers	3%
1123	A	Professional occupations in advertising, marketing and public relations	3%
2174	A	Computer programmers and interactive media developers	3%
1221	B	Administrative officers	2%
4031	A	Secondary school teachers	2%

* Data not displayed where n < 5

** Percentages cited are of those employed

BC Student Outcomes

Detailed Summary of Survey Results
All Institutions
30.0801: Mathematics and computer science

| SYSTEM | |
| 30.0801 | |

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	30.0801		SYSTEM	
Personal savings, investments	5	31%	2,643	31%
Employment while studying	3	19%	4,042	48%
Family/Friends	6	38%	5,041	60%
Personal bank loans	0	0%	535	6%
Government student loans	3	19%	2,834	34%
Scholarships/Bursaries/Grants	8	50%	2,631	31%
Other	8	50%	1,990	24%
Total	16		8,391	

* Percentage of respondents who identified this source
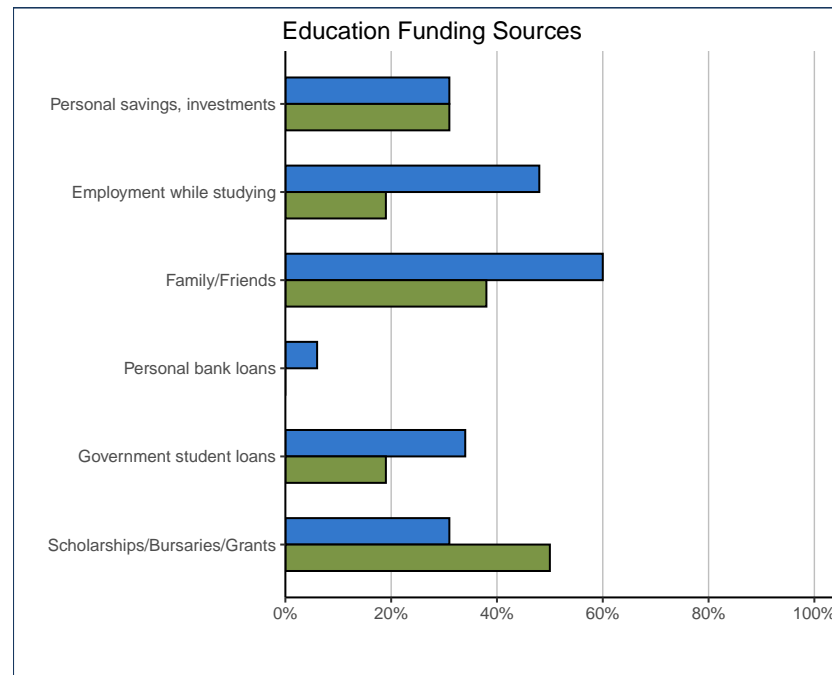
Financial Debt Incurred to Finance Bac. Ed.:*	30.0801		SYSTEM	
Incurred any form of financial debt	3	19%	3,736	44%
Incurred government–sponsored student loan debt	3	18%	3,105	37%

* Percentage of respondents who provided data

Education Funding Sources
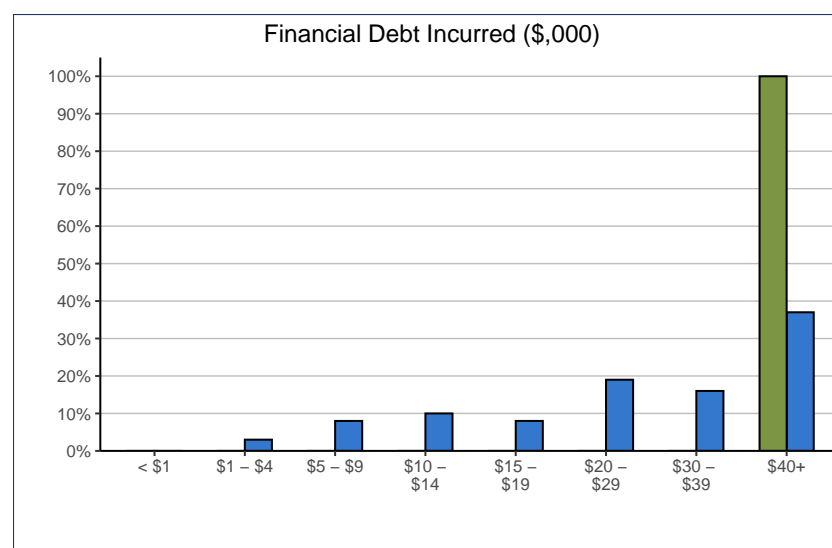
Financial Debt Amount:*	30.0801		SYSTEM	
< $1,000	0	0%	4	0%
$1,000 to $4,999	0	0%	85	3%
$5,000 to $9,999	0	0%	219	8%
$10,000 to $14,999	0	0%	298	10%
$15,000 to $19,999	0	0%	233	8%
$20,000 to $29,999	0	0%	545	19%
$30,000 to $39,999	0	0%	455	16%
$40,000 or More	2	100%	1,064	37%
Total	2	100%	2,903	100%
Median Financial Debt ($)	57,500		30,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)
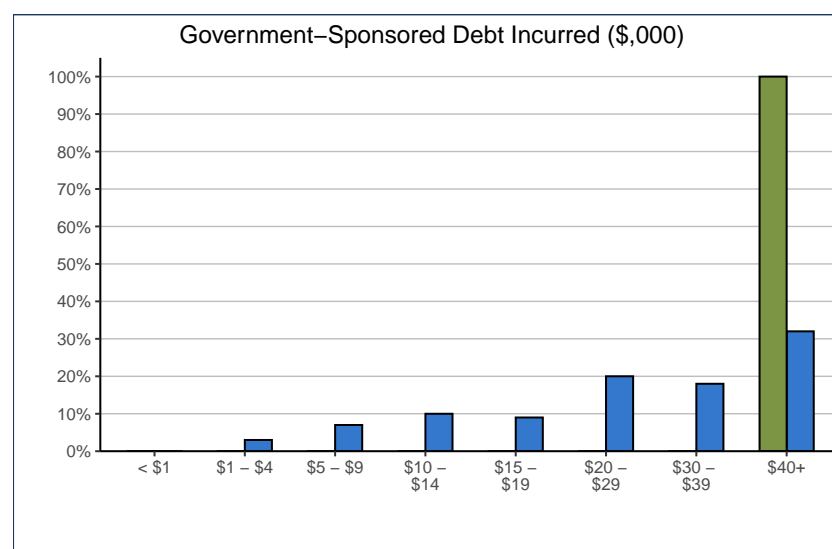
Gov't–Sponsored Student Loan Debt Amount:*	30.0801		SYSTEM	
< $1,000	0	0%	6	0%
$1,000 to $4,999	0	0%	66	3%
$5,000 to $9,999	0	0%	156	7%
$10,000 to $14,999	0	0%	219	10%
$15,000 to $19,999	0	0%	189	9%
$20,000 to $29,999	0	0%	424	20%
$30,000 to $39,999	0	0%	394	18%
$40,000 or More	2	100%	687	32%
Total	2	100%	2,141	100%
Median Gov't–Sponsored Loan Debt ($)	57,500		30,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)
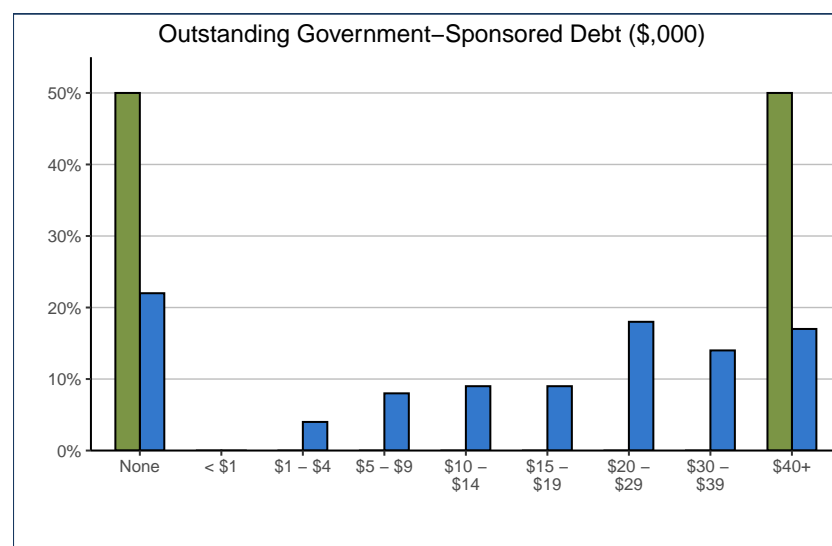
Gov't–Sponsored Loan Debt Outstanding:*	30.0801		SYSTEM	
None – Loan repaid in full	1	50%	524	22%
< $1,000	0	0%	9	0%
$1,000 to $4,999	0	0%	103	4%
$5,000 to $9,999	0	0%	189	8%
$10,000 to $14,999	0	0%	213	9%
$15,000 to $19,999	0	0%	208	9%
$20,000 to $29,999	0	0%	447	18%
$30,000 to $39,999	0	0%	330	14%
$40,000 or More	1	50%	406	17%
Total	2	100%	2,429	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	49,000		24,000	

* 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

Outstanding Government–Sponsored Debt ($,000)