B.C. Baccalaureate Outcomes

2023 Survey of 2021 Baccalaureate Graduates

☑ BC Student □ Outcomes

Detailed Summary of Survey Results

All Institutions

15.0303: Electrical, electronic and communications engineering technology/technician

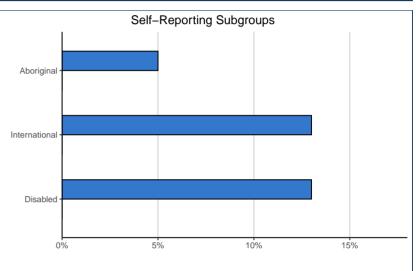
RESPONSE RATE										
Survey Response Rate:	15.0	15.0303 SYSTEM					Respon	se Rate		
Baccalaureate Graduates Survey Cohort	41	100%	25,962	100%	SYSTEM -					
Survey Respondents and Response Rate	21	51%	8,603	33%	STOTEM					
					15.0303 -					
					0%	10%	20%	30%	40%	50%

DEMOGRAPHIC INFORMATION

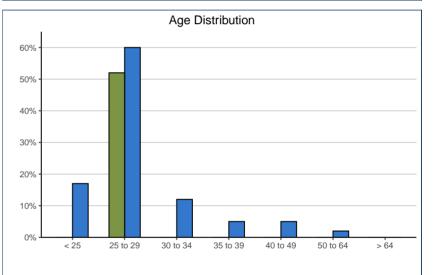
Г

Self-Reporting Subgroups:	15.0303		SYSTEM	
Disabled	~	~	1,079	13%
International	~	~	1,153	13%
Aboriginal	0	0%	330	5%

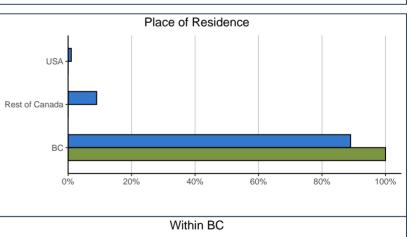
Gender:*	15.0303		SYS	ТЕМ	
Male	21	100%	3,534	41%	
Female	0	0%	5,051	59%	
Total	21	100%	8,585	100%	
*Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.					



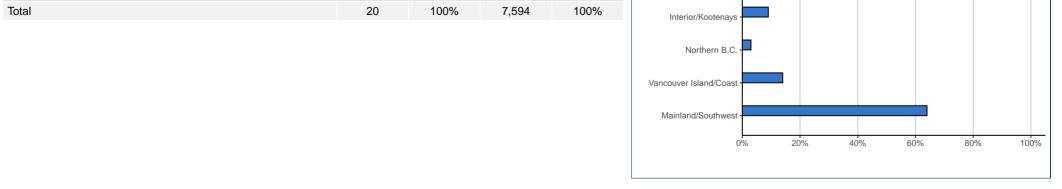
Age (at time of survey):	15.0303		SYS	ТЕМ
< 25	~	~	1,417	17%
25 to 29	11	52%	5,150	60%
30 to 34	~	~	994	12%
35 to 39	~	~	417	5%
40 to 49	~	~	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	21	100%	8,586	100%
Median Age	28		26	
Average (mean) Age	30		28	



Place of Residence (at time of survey):	15.	15.0303		TEM
BC – Mainland/Southwest	~	~	4,824	64%
BC – Vancouver Island/Coast	~	~	1,065	14%
BC – Northern B.C.	0	0%	225	3%
BC – Interior/Kootenays	~	~	673	9%
BC Subtotal	20	100%	6,787	89%
Canada – Alberta	0	0%	328	4%
Canada – Ontario	0	0%	239	3%
Canada – Other	0	0%	165	2%
U.S.A.	0	0%	75	1%
Non-BC Subtotal	0	0%	807	11%
Tatal		1000/	7 504	1000/



1



☑ BC Student ☑ Outcomes

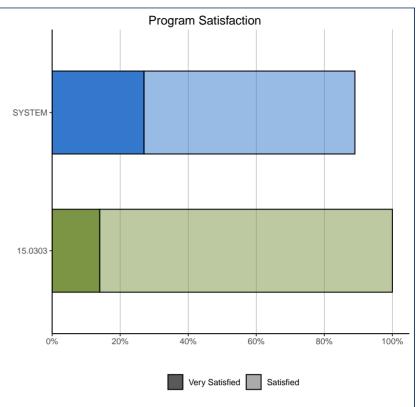
Detailed Summary of Survey Results All Institutions 15.0303: Electrical, electronic and communications engineering technology/technician

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	15.0303		SYSTEM	
Very Satisfied	3	14%	2,262	27%
Satisfied	18	86%	5,296	62%
Dissatisfied	0	0%	740	9%
Very Dissatisfied	0	0%	184	2%
Total	21	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	15.0303		SYSTEM	
Very Useful	5	26%	2,704	39%
Somewhat Useful	12	63%	3,247	46%
Not Very Useful	2	11%	814	12%
Not at All Useful	0	0%	250	4%
Total	19	100%	7,015	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	15.0303		SYSTEM	
Yes	1	5%	818	10%
No	20	95%	7,545	90%



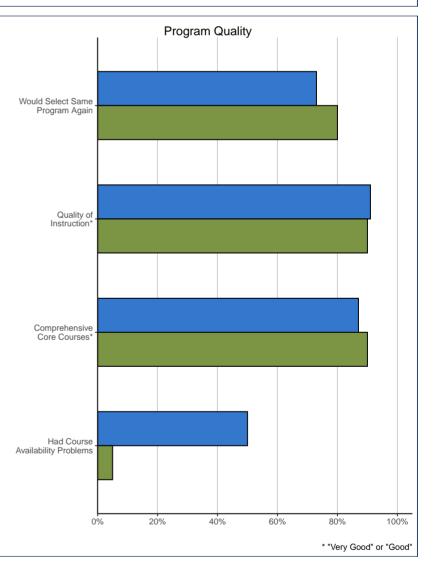
Would select the same program again:	15.0303		SYSTEM	
Yes	16	80%	5,501	73%
No	4	20%	2,019	27%

Quality of Instruction:	15.0303		SYSTEM	
Very Good	1	5%	2,328	27%
Good	17	85%	5,423	64%
Poor	2	10%	649	8%
Very Poor	0	0%	131	2%
Total	20	100%	8,531	100%

Comprehensiveness of Core Courses:	15.0303		SYSTEM	
Very Good	3	14%	2,206	26%
Good	16	76%	5,161	61%
Poor	2	10%	862	10%
Very Poor	0	0%	171	2%
Total	21	100%	8,400	100%

Course Availability:	15.0303		SYSTEM	
Encountered course availability problems	1	5%	4,193	50%

Financial Constraints:	15.0303		SYSTEM	
Had to interrupt studies for financial reasons	1	5%	926	11%
Had to take program part-time for financial reasons	2	10%	1,545	18%

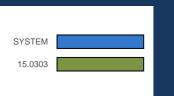


Note: \sim indicates low cell count; data suppressed

☑ BC Student ☑ Outcomes

Detailed Summary of Survey Results All Institutions

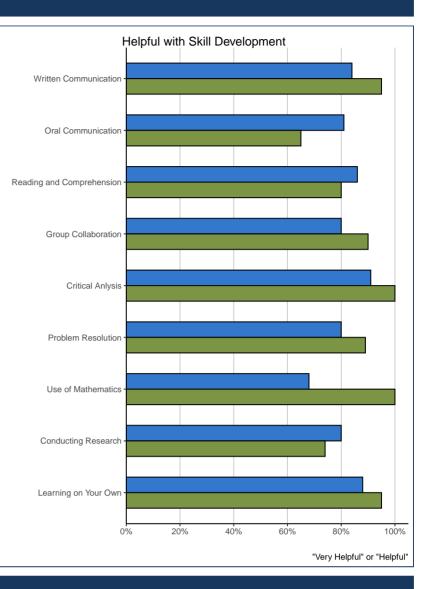
15.0303: Electrical, electronic and communications engineering technology/technician

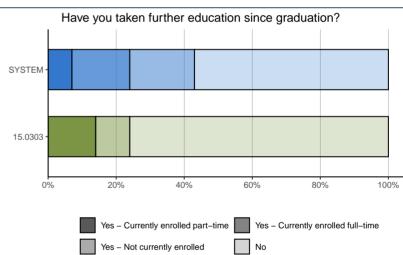


SKILL DEVELOPMENT

		15.0303					
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.		
Written Communication	25%	70%	5%	0%	20		
Oral Communication	15%	50%	35%	0%	20		
Reading and Comprehension	15%	65%	20%	0%	20		
Group Collaboration	37%	53%	11%	0%	19		
Critical Anlysis	25%	75%	0%	0%	20		
Problem Resolution	21%	68%	11%	0%	19		
Use of Mathematics	45%	55%	0%	0%	20		
Conducting Research	11%	63%	21%	5%	19		
Learning on Your Own	35%	60%	5%	0%	20		

		SYSTEM					
Skill Development: How helpful was institution?	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		





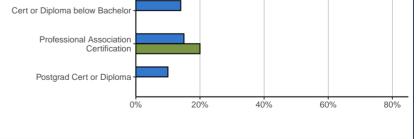
Further Education/Training Type						
Masters Degree ·						
Doctoral Degree						
Undergraduate Degree						

FURTHER EDUCATION

15.0303		SYSTEM	
5	24%	3,668	43%
2	10%	1,580	19%
0	0%	1,472	17%
3	14%	565	7%
16	76%	4,870	57%
21	100%	8,538	100%
	5 2 0 3 16	5 24% 2 10% 0 0% 3 14% 16 76%	5 24% 3,668 2 10% 1,580 0 0% 1,472 3 14% 565 16 76% 4,870

Type of Formal Post-Secondary Education:	15.0303		SYSTEM	
Masters Degree	4	80%	1,184	33%
Doctoral Degree	0	0%	153	4%
Another Undergraduate Degree	0	0%	718	20%
Certificate or Diploma below Bachelor level	0	0%	510	14%
Professional Association Certification	1	20%	538	15%
Postgraduate Certificate or Diploma	0	0%	359	10%

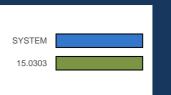
r oolgradado o ortinoado or Dipiorna	Ŭ	070	000	1070
Other	0	0%	162	4%
Total	5	100%	3,624	100%



☑ BC Student ☑ Outcomes

Detailed Summary of Survey Results All Institutions

15.0303: Electrical, electronic and communications engineering technology/technician

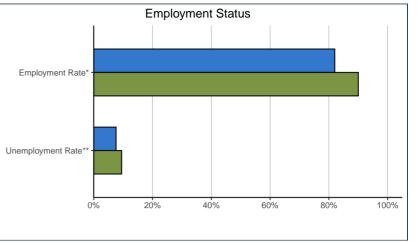


EMPLOYMENT

Labour Fource Status:	15.	15.0303		ТЕМ
In Labour Force (working or seeking work)	21	100%	7,643	90%
Not in Labour Force	0	0%	803	10%
Total	21	100%	8,446	100%
Employment:	15.	15.0303		ТЕМ

Employment:	15.0303		SYSTEM	
Employment Rate*	19	90%	7,062	82%
Unemployment Rate**	2	9.5%	581	7.6%
*Percent = Total employed divided by total number of respondents				

**Percent = Total unemployed divided by total number in Labour Force



Status of Graduates NOT in Labour Force:	15.0303		SYSTEM	
Attending School FT	0	0%	565	70%
Attending School PT	0	0%	20	2%
Other	0	0%	218	27%
Total NOT in Labour Force	0	0%	803	100%

Primary Employment Type:	15.0303		SYS	ТЕМ
Paid worker	19	100%	6,623	94%
Self-employed	0	0%	412	6%
Total	19	100%	7,035	100%

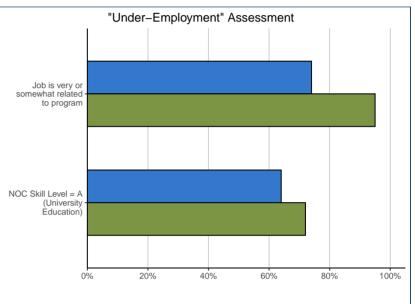
Job Characteristics:	15.0	15.0303		15.0303 SYSTE		ТЕМ
I hold more than one job*	2	11%	1,243	18%		
My main job is full-time (>= 30 hours per week)**	19	100%	5,922	89%		
*Of total Employed						

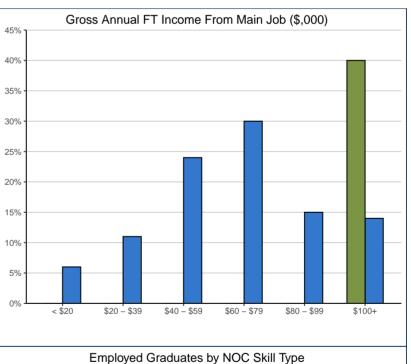


How related is your main job to your program?	15.	15.0303		TEM
Very Related	8	8 42%		44%
Somewhat Related	10	53%	2,151	31%
Not Very Related	1	5%	901	13%
Not at All Related	0	0%	910	13%
Total	19	100%	7,043	100%

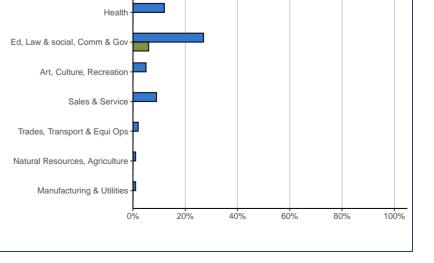
"Under-employment" Assessment:	15.0303		SYS	ТЕМ
Job is very or somewhat related to program	18 95%		5,232	74%
NOC Skill Level = A (University Education)*	13	72%	4,148	64%
*Of total valid responses				

Gross Annual Income from Main Job:*	15.0	0303	SYSTEM		
Less than \$20,000	0	0%	310	6%	
\$20,000 to \$39,999	0	0%	593	11%	
\$40,000 to \$59,999	~	~	1,303	24%	
\$60,000 to \$79,999	~	~	1,609	30%	
\$80,000 to \$99,999	~	~	805	15%	
\$100,000 and Above	6	40%	729	14%	
Total	15	100%	5,349	100%	
Median Annual Income (full-time) (\$)	88,000		68,000		
Average Annual Income (full-time) (\$)	87,856		74,015		
Where data provided	,				
		0303	SYS	TEM	
Where data provided NOC Skill Type of Main Job:		0303 6%	SYS 1,558	TEM 24%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration	15.0				
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related	15.0	6%	1,558	24%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health	15.0 1 15	6% 88%	1,558 1,354	24% 21%	
Where data provided	15.0 1 15 0	6% 88% 0%	1,558 1,354 761	24% 21% 12%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government	15.0 1 15 0 1	6% 88% 0% 6%	1,558 1,354 761 1,787	24% 21% 12% 27%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government Art, culture, recreation & sport	15.0 1 15 0 1 1 0	6% 88% 0% 6% 0%	1,558 1,354 761 1,787 296	24% 21% 12% 27% 5%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government Art, culture, recreation & sport Sales & service	15.0 1 15 0 1 1 0 0 0	6% 88% 0% 6% 0%	1,558 1,354 761 1,787 296 559	24% 21% 12% 27% 5% 9%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health Education, law and social, community & government Art, culture, recreation & sport Sales & service Trades, transport & equipment operators & related	15.0 1 15 0 1 1 0 0 0 0	6% 88% 0% 6% 0% 0%	1,558 1,354 761 1,787 296 559 114	24% 21% 12% 27% 5% 9% 2%	







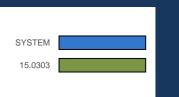


4

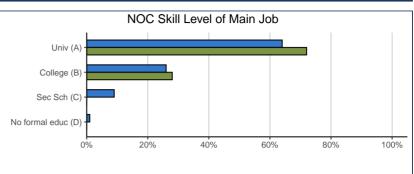
☑ BC Student □ Outcomes

Detailed Summary of Survey Results All Institutions

15.0303: Electrical, electronic and communications engineering technology/technician

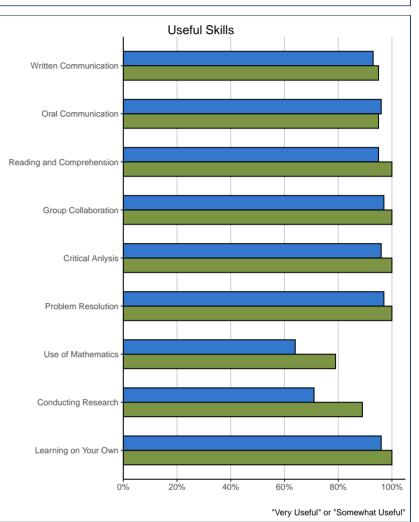


EMPLOYMENT, continued NOC Skill Level of Main Job: 15.0303 SYSTEM 13 A. University education 72% 4,148 64% B. College education/trade apprenticeship 5 28% 1,713 26% 0 0% C. Secondary school + job-specific training 564 9% D. No formal education 0 0% 90 1% Total 18 100% 6,515 100%



			15.0303		
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	79%	16%	5%	0%	19
Oral Communication	79%	16%	5%	0%	19
Reading and Comprehension	79%	21%	0%	0%	19
Group Collaboration	74%	26%	0%	0%	19
Critical Anlysis	68%	32%	0%	0%	19
Problem Resolution	74%	26%	0%	0%	19
Use of Mathematics	21%	58%	11%	11%	19
Conducting Research	26%	63%	11%	0%	19
Learning on Your Own	84%	16%	0%	0%	19

		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	



Top 10 Full-time Oct 15.0303 Gradient15.0303NOCNOC Skill LevelDescription% Employed FT in this Occ.**2133AElectrical and electronics engineering technologists and technicians37%2241BElectrical and electronics engineering technologists and technicians26%*---<t

* Data not displayed where n < 5

** Percentages cited are of those employed

•	•		
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	6%
XXXX	0	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	В	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	В	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

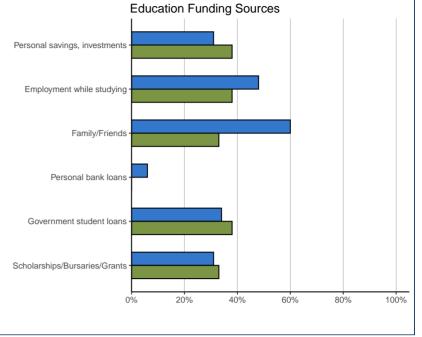
15.0303: Electrical, electronic and communications engineering technology/technician

SYSTEM 15.0303

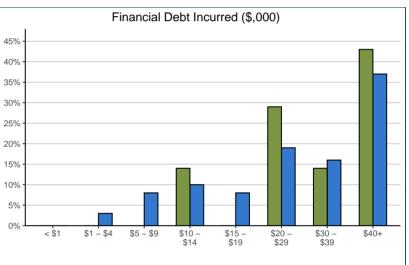
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	15.	15.0303		TEM
Personal savings, investments	8	38%	2,643	31%
Employment while studying	8	38%	4,042	48%
Family/Friends	7	33%	5,041	60%
Personal bank loans	0	0%	535	6%
Government student loans	8	38%	2,834	34%
Scholarships/Bursaries/Grants	7	33%	2,631	31%
Other	7	33%	1,990	24%
Total	21		8,391	
* Percentage of respondents who identified this source				

Financial Debt Incurred to Finance Bac. Ed.:*	15.	15.0303		ТЕМ
Incurred any form of financial debt	8	8 38%		44%
Incurred government-sponsored student loan debt	8	8 38%		37%
* Percentage of respondents who provided data				



15.0303		SYSTEM	
0	0%	4	0%
0	0%	85	3%
0	0%	219	8%
1	14%	298	10%
0	0%	233	8%
2	29%	545	19%
1	14%	455	16%
3	43%	1,064	37%
7	100%	2,903	100%
36,000		30,000	
	0 0 1 0 2 1 3 7	0 0% 0 0% 0 0% 1 14% 0 0% 2 29% 1 14% 3 43% 7 100%	0 0% 4 0 0% 85 0 0% 219 1 14% 298 0 0% 233 2 29% 545 1 14% 455 3 43% 1,064 7 100% 2,903



¹ Includes only cases where financial debt was incurred

Gov't-Sponsored Student Loan Debt Amount:*	15.0303 SYSTEM		ТЕМ	
< \$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	1	17%	219	10%
\$15,000 to \$19,999	0	0%	189	9%
\$20,000 to \$29,999	2	33%	424	20%
\$30,000 to \$39,999	1	17%	394	18%
\$40,000 or More	2	33%	687	32%
Total	6	100%	2,141	100%
Median Gov't-Sponsored Loan Debt (\$)	30,500		30,000	

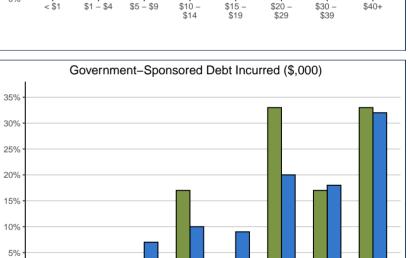
Includes only cases where government-sponsored debt was incurred

Gov't-Sponsored Loan Debt Outstanding:*

None – Loan repaid in full

< \$1,000

\$1,000 to \$4,999



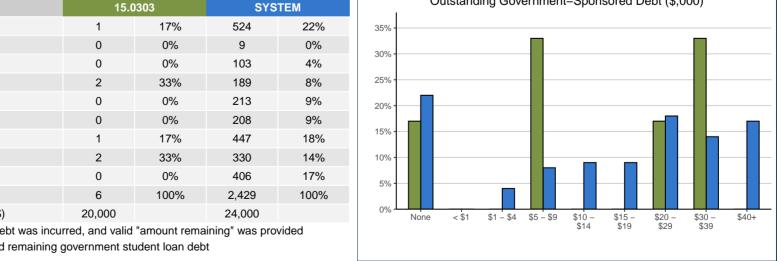
Outstanding Government–Sponsored Debt (\$,000)

\$15 – \$19

\$20 -\$29

\$30 -\$39

\$10 – \$14



0%

< \$1

\$1 – \$4

\$5 **-** \$9

\$5,000 to \$9,999	2	33%	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	1	17%	447	18%
\$30,000 to \$39,999	2	33%	330	14%
\$40,000 or More	0	0%	406	17%
Total	6	100%	2,429	100%
Median Gov't-Sponsored Loan Debt Outstanding** (\$)	20,000		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

\$40+