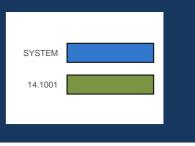
## B.C. Baccalaureate Outcomes

## 2023 Survey of 2021 Baccalaureate Graduates

## ☑ BC Student ☑ Outcomes

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



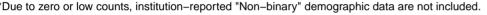
RESPONSE RATE									
Survey Response Rate:	14.	1001	SYS	ТЕМ		Resp	onse Rate		
Baccalaureate Graduates Survey Cohort	298	100%	25,962	100%	SYSTEM -				
Survey Respondents and Response Rate	95	32%	8,603	33%					
					14.1001 <b>-</b>				
					0%	10%	20%	30%	

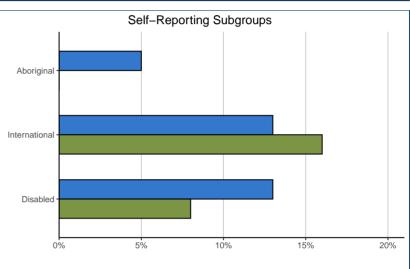
### DEMOGRAPHIC INFORMATION

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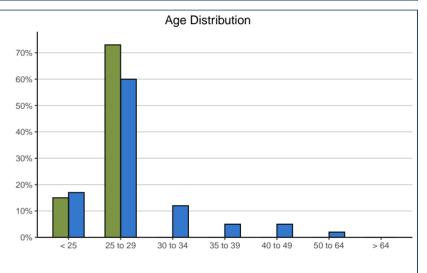
Self-Reporting Subgroups:	14.1	1001	SYSTEM	
Disabled	7	8%	1,079	13%
International	15	16%	1,153	13%
Aboriginal	~	~	330	5%

Gender:*	14.1001		SYSTEM	
Male	80	84%	3,534	41%
Female	15	16%	5,051	59%
Total	95	100%	8,585	100%

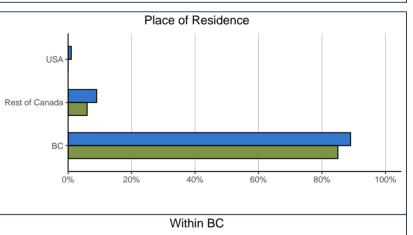




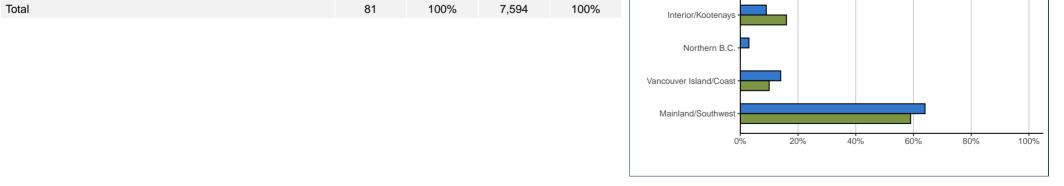
14.1001 SYS		STEM	
14	15%	1,417	17%
69	73%	5,150	60%
~	~	994	12%
0	0%	417	5%
~	~	407	5%
0	0%	175	2%
0	0%	26	0%
95	100%	8,586	100%
26		26	
27		28	
	14 69 ~ 0 ~ 0 0 0 95 26	14     15%       69     73%       ~     ~       0     0%       ~     ~       0     0%       0     0%       0     0%       100%     100%       26     -	14         15%         1,417           69         73%         5,150           ~         ~         994           0         0%         417           ~         ~         407           0         0%         175           0         0%         26           95         100%         8,586           26         26         26



Place of Residence (at time of survey):	14.	14.1001		ТЕМ
BC – Mainland/Southwest	48	59%	4,824	64%
BC – Vancouver Island/Coast	8	10%	1,065	14%
BC – Northern B.C.	0	0%	225	3%
BC – Interior/Kootenays	13	16%	673	9%
BC Subtotal	69	85%	6,787	89%
Canada – Alberta	~	~	328	4%
Canada – Ontario	5	6%	239	3%
Canada – Other	~	~	165	2%
U.S.A.	~	~	75	1%
Non-BC Subtotal	12	15%	807	11%



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

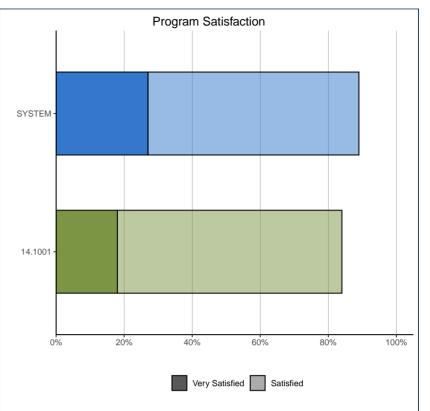
SYSTEM	
14.1001	

### EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.	14.1001 SYSTEM		ТЕМ
Very Satisfied	17	18%	2,262	27%
Satisfied	62	66%	5,296	62%
Dissatisfied	10	11%	740	9%
Very Dissatisfied	5	5%	184	2%
Total	94	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1001 SYSTEM		ТЕМ	
Very Useful	27	31%	2,704	39%
Somewhat Useful	51	59%	3,247	46%
Not Very Useful	7	8%	814	12%
Not at All Useful	2	2%	250	4%
Total	87	100%	7,015	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1001		SYSTEM	
Yes	5	5%	818	10%
No	86	95%	7,545	90%



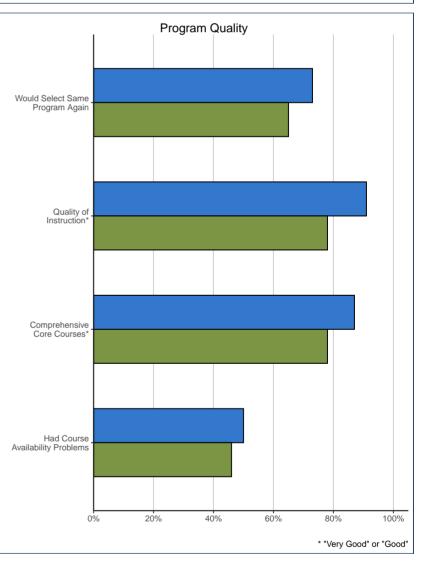
Would select the same program again:	14.1	001	SYS	ТЕМ
Yes	55	65%	5,501	73%
No	29	35%	2,019	27%

Quality of Instruction:	14.1001		14.1001 S		SYS	ТЕМ
Very Good	9	10%	2,328	27%		
Good	63	68%	5,423	64%		
Poor	17	18%	649	8%		
Very Poor	4	4%	131	2%		
Total	93	100%	8,531	100%		

Comprehensiveness of Core Courses:	14.1001 SYS		ТЕМ	
Very Good	10	11%	2,206	26%
Good	64	67%	5,161	61%
Poor	20	21%	862	10%
Very Poor	1	1%	171	2%
Total	95	100%	8,400	100%

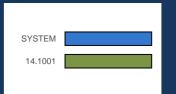
Course Availability:	14.1001		SYSTEM	
Encountered course availability problems	43	46%	4,193	50%

Financial Constraints:	14.1001		SYS	ТЕМ
Had to interrupt studies for financial reasons	9	10%	926	11%
Had to take program part-time for financial reasons	6	7%	1,545	18%



Note:  $\sim$  indicates low cell count; data suppressed

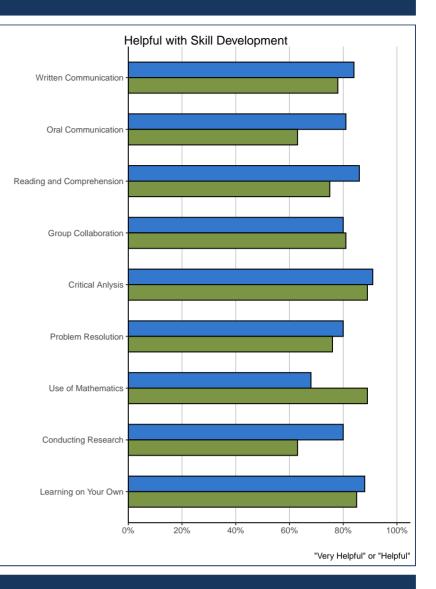
### Detailed Summary of Survey Results All Institutions 14.1001: Electrical and electronics engineering

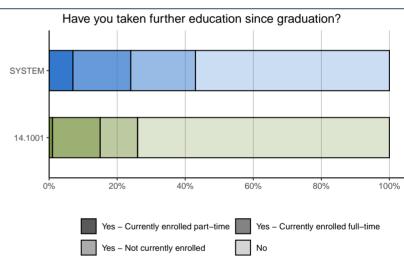


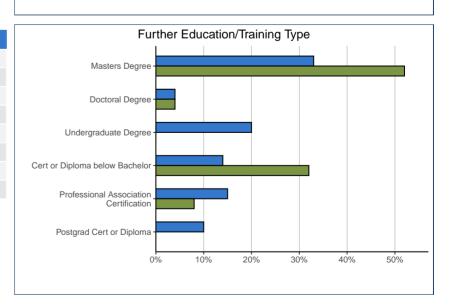
### SKILL DEVELOPMENT

		14.1001				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.	
Written Communication	15%	63%	15%	7%	92	
Oral Communication	10%	53%	32%	5%	92	
Reading and Comprehension	13%	62%	22%	3%	94	
Group Collaboration	25%	56%	17%	2%	93	
Critical Anlysis	34%	55%	8%	3%	95	
Problem Resolution	29%	47%	19%	4%	93	
Use of Mathematics	45%	44%	8%	2%	95	
Conducting Research	11%	52%	26%	11%	91	
Learning on Your Own	51%	34%	11%	4%	93	

			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







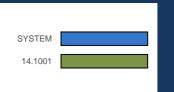
### FURTHER EDUCATION

Took further education since 2021 graduation:	14.	14.1001		ТЕМ
Yes	25	26%	3,668	43%
Not currently enrolled	10	11%	1,580	19%
Currently enrolled full-time	13	14%	1,472	17%
Currently enrolled part-time	1	1%	565	7%
No	70	74%	4,870	57%
Total	95	100%	8,538	100%
10tal	00	10070	0,000	10070

Type of Formal Post–Secondary Education:	14.	14.1001		TEM
Masters Degree	13	52%	1,184	33%
Doctoral Degree	1	4%	153	4%
Another Undergraduate Degree	0	0%	718	20%
Certificate or Diploma below Bachelor level	8	32%	510	14%
Professional Association Certification	2	8%	538	15%
Postgraduate Certificate or Diploma	0	0%	359	10%

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Other	1	4%	162	4%
Total	25	100%	3,624	100%

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

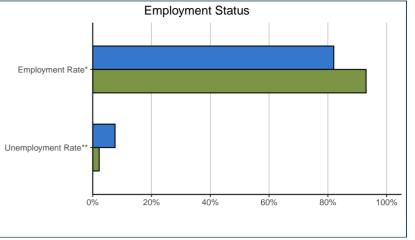


#### EMPLOYMENT

Labour Fource Status:	14.	14.1001		ТЕМ
In Labour Force (working or seeking work)	90	95%	7,643	90%
Not in Labour Force	5	5%	803	10%
Total	95	100%	8,446	100%

Employment:	14.1001		SYSTEM	
Employment Rate*	88	93%	7,062	82%
Unemployment Rate**	2	2.2%	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:	14.1001		SYSTEM	
Attending School FT	4	80%	565	70%
Attending School PT	1	20%	20	2%
Other	0	0%	218	27%
Total NOT in Labour Force	5	100%	803	100%

Primary Employment Type:	14.1001		ployment Type: 14.1001		SYS	ТЕМ
Paid worker	86	98%	6,623	94%		
Self-employed	2	2%	412	6%		
Total	88	100%	7,035	100%		

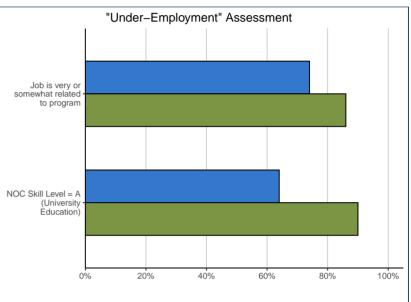
Job Characteristics:	14.	14.1001		ТЕМ
I hold more than one job*	3	3%	1,243	18%
My main job is full-time (>= 30 hours per week)**	83	97%	5,922	89%
*Of total Employed				

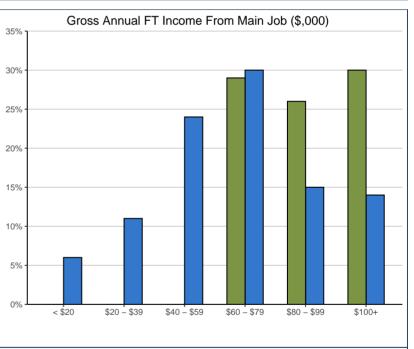


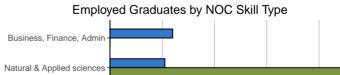
How related is your main job to your program?	ram? 14.1001		SYSTEM	
Very Related	34	39%	3,081	44%
Somewhat Related	42	48%	2,151	31%
Not Very Related	10	11%	901	13%
Not at All Related	2	2%	910	13%
Total	88	100%	7,043	100%

"Under-employment" Assessment:	14.1001		SYSTEM	
Job is very or somewhat related to program	76	86%	5,232	74%
NOC Skill Level = A (University Education)*	70	90%	4,148	64%
*Of total valid responses				

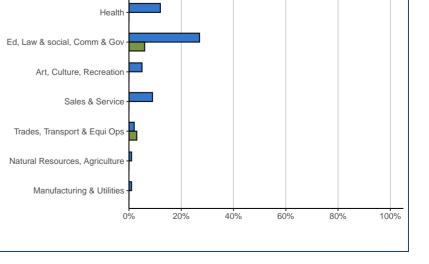
Gross Annual Income from Main Job:*	14.1	1001	SYS	ТЕМ
Less than \$20,000	~	~	310	6%
\$20,000 to \$39,999	~	~	593	11%
\$40,000 to \$59,999	~	~	1,303	24%
\$60,000 to \$79,999	19	29%	1,609	30%
\$80,000 to \$99,999	17	26%	805	15%
\$100,000 and Above	20	30%	729	14%
Total	66	100%	5,349	100%
Median Annual Income (full-time) (\$)	88,250		68,000	
Average Annual Income (full-time) (\$)	92,940		74,015	
*Where data provided				



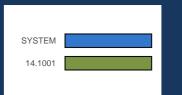




NOC Skill Type of Main Job:	14.1001		SYSTEM	
Business, finance & administration	0	0%	1,558	24%
Natural & applied sciences & related	71	91%	1,354	21%
Health	0	0%	761	12%
Education, law and social, community & government	5	6%	1,787	27%
Art, culture, recreation & sport	0	0%	296	5%
Sales & service	0	0%	559	9%
Trades, transport & equipment operators & related	2	3%	114	2%
Natural resources, agriculture & related production	0	0%	35	1%
Manufacturing & utilities	0	0%	35	1%
Total	78	100%	6,499	100%

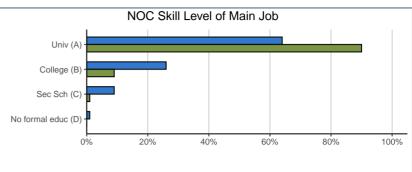


### Detailed Summary of Survey Results All Institutions 14.1001: Electrical and electronics engineering



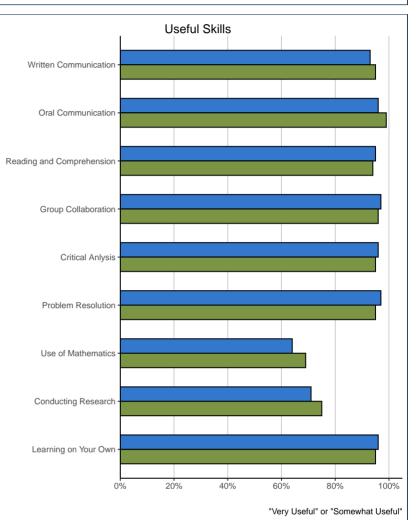
#### EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1001		SYSTEM	
A. University education	70	90%	4,148	64%
B. College education/trade apprenticeship	7	9%	1,713	26%
C. Secondary school + job-specific training	1	1%	564	9%
D. No formal education	0	0%	90	1%
Total	78	100%	6,515	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	67%	28%	2%	2%	88
Oral Communication	76%	23%	0%	1%	88
Reading and Comprehension	77%	17%	3%	2%	88
Group Collaboration	72%	24%	3%	1%	88
Critical Anlysis	82%	13%	3%	2%	88
Problem Resolution	78%	17%	2%	2%	87
Use of Mathematics	30%	39%	23%	8%	87
Conducting Research	39%	36%	16%	9%	88
Learning on Your Own	78%	17%	3%	1%	88

			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 Occupations of 14.1001 Graduates: 14.1001 NOC NOC Skill Level Description % Employed FT in this Occ.\*\* 2133 А Electrical and electronics engineers 33% Software engineers and designers 17% 2173 А 2147 А Computer engineers (except software engineers and designers) 8% XXXX 0 Unclassified occupations 8% 2174 Computer programmers and interactive media developers 6% А \* 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%
* D (			

\* Data not displayed where n < 5

\*\* Percentages cited are of those employed

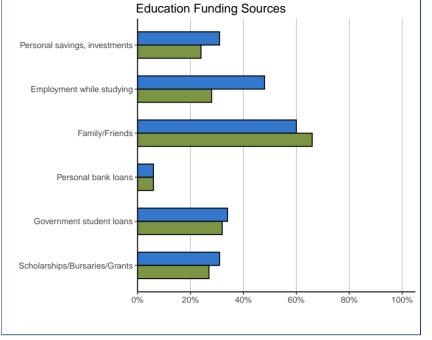
### Detailed Summary of Survey Results All Institutions 14.1001: Electrical and electronics engineering



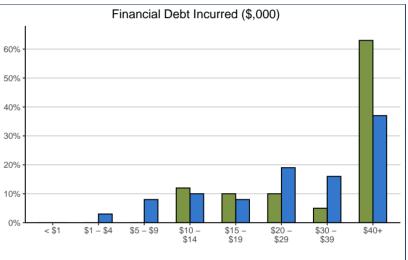
#### EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.1001		SYS	ТЕМ
Personal savings, investments	23	24%	2,643	31%
Employment while studying	27	28%	4,042	48%
Family/Friends	63	66%	5,041	60%
Personal bank loans	6	6%	535	6%
Government student loans	30	32%	2,834	34%
Scholarships/Bursaries/Grants	26	27%	2,631	31%
Other	47	49%	1,990	24%
Total	95		8,391	
* Percentage of respondents who identified this source				

Financial Debt Incurred to Finance Bac. Ed.:*	14.	14.1001		ТЕМ
Incurred any form of financial debt	49	52%	3,736	44%
Incurred government-sponsored student loan debt	39	41%	3,105	37%
* Percentage of respondents who provided data				



Financial Debt Amount:*	14.	14.1001		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	5	12%	298	10%	
\$15,000 to \$19,999	4	10%	233	8%	
\$20,000 to \$29,999	4	10%	545	19%	
\$30,000 to \$39,999	2	5%	455	16%	
\$40,000 or More	26	63%	1,064	37%	
Total	41	100%	2,903	100%	
Median Financial Debt (\$)	45,000		30,000		
Includes only cases where financial debt was incu	rred				

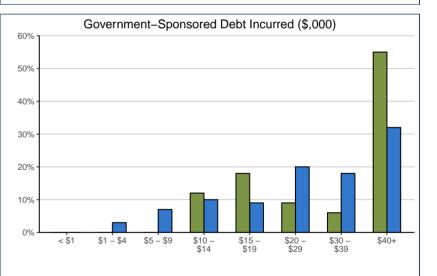


Includes only cases where financial debt was incurred

Gov't-Sponsored Student Loan Debt Amount:*	14.1	14.1001		TEM
< \$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	4	12%	219	10%
\$15,000 to \$19,999	6	18%	189	9%
\$20,000 to \$29,999	3	9%	424	20%
\$30,000 to \$39,999	2	6%	394	18%
\$40,000 or More	18	55%	687	32%
Total	33	100%	2,141	100%
Median Gov't-Sponsored Loan Debt (\$)	40,000		30,000	

\* Includes only cases where government-sponsored debt was incurred

Gov't-Sponsored Loan Debt Outstanding:*	14.1	14.1001		SYSTEM	
None – Loan repaid in full	6	18%	524	22%	
< \$1,000	0	0%	9	0%	
\$1,000 to \$4,999	0	0%	103	4%	
\$5,000 to \$9,999	5	15%	189	8%	
\$10,000 to \$14,999	7	21%	213	9%	
\$15,000 to \$19,999	2	6%	208	9%	
\$20,000 to \$29,999	0	0%	447	18%	
\$30,000 to \$39,999	3	9%	330	14%	
\$40,000 or More	10	30%	406	17%	
Total	33	100%	2,429	100%	
Median Gov't-Sponsored Loan Debt Outstanding** (\$)	15,000		24,000		



Outstanding Government–Sponsored Debt (\$,000)

35%

30%

25%



\* 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

