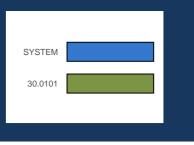
# B.C. Baccalaureate Outcomes

# 2023 Survey of 2021 Baccalaureate Graduates

# Detailed Summary of Survey Results All Institutions 30.0101: Biological and physical sciences



RESPONSE RATE									
Survey Response Rate:	30.	30.0101 SYSTEM				Response Ra	te		
Baccalaureate Graduates Survey Cohort	146	100%	25,962	100%	SYSTEM -				
Survey Respondents and Response Rate	43	29%	8,603	33%	STSTEW				
					30.0101 -				
					0%	109	2/ 2	0%	30%

# DEMOGRAPHIC INFORMATION

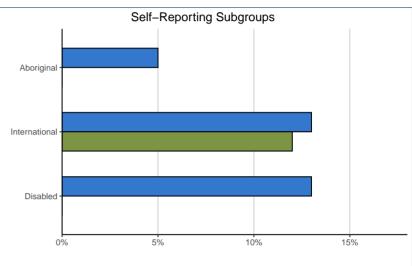
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Self-Reporting Subgroups:	30.0101		SYSTEM	
Disabled	~	~	1,079	13%
International	5	12%	1,153	13%
Aboriginal	~	~	330	5%

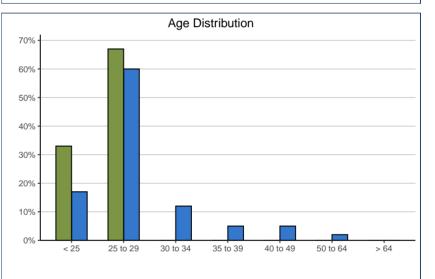
Gender:*	30.0101		SYSTEM	
Male	14	33%	3,534	41%
Female	29	67%	5,051	59%
Total	43	100%	8,585	100%

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

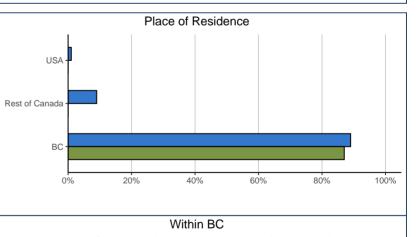
☑ BC Student
☑ Outcomes



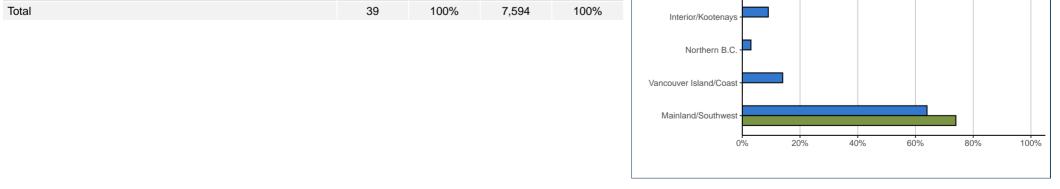
Age (at time of survey):	30.0101		SYSTEM	
< 25	14	33%	1,417	17%
25 to 29	29	67%	5,150	60%
30 to 34	0	0%	994	12%
35 to 39	0	0%	417	5%
40 to 49	0	0%	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	43	100%	8,586	100%
Median Age	25		26	
Average (mean) Age	25		28	



Place of Residence (at time of survey):	30.	0101	SYSTEM	
BC – Mainland/Southwest	29	74%	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	34	87%	6,787	89%
Canada – Alberta	~	~	328	4%
Canada – Ontario	~	~	239	3%
Canada – Other	0	0%	165	2%
U.S.A.	0	0%	75	1%
Non-BC Subtotal	5	13%	807	11%



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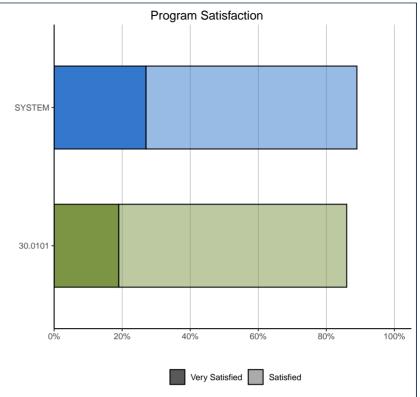
Detailed Summary of Survey Results All Institutions 30.0101: Biological and physical sciences 

# EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	30.0101		SYSTEM	
Very Satisfied	8	19%	2,262	27%
Satisfied	28	67%	5,296	62%
Dissatisfied	5	12%	740	9%
Very Dissatisfied	1	2%	184	2%
Total	42	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	30.0101		SYSTEM	
Very Useful	5	21%	2,704	39%
Somewhat Useful	15	63%	3,247	46%
Not Very Useful	3	13%	814	12%
Not at All Useful	1	4%	250	4%
Total	24	100%	7,015	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	30.0101		SYSTEM	
Yes	5	12%	818	10%
No	36	88%	7,545	90%



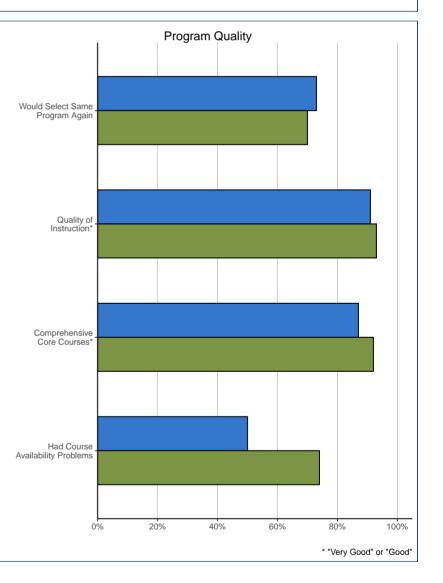
Would select the same program again:	30.0101		SYSTEM	
Yes	26	70%	5,501	73%
No	11	30%	2,019	27%

Quality of Instruction:	30.0101		SYS	TEM
Very Good	11	26%	2,328	27%
Good	29	67%	5,423	64%
Poor	2	5%	649	8%
Very Poor	1	2%	131	2%
Total	43	100%	8,531	100%

Comprehensiveness of Core Courses:	30.0101		SYSTEM	
Very Good	11	28%	2,206	26%
Good	25	64%	5,161	61%
Poor	2	5%	862	10%
Very Poor	1	3%	171	2%
Total	39	100%	8,400	100%

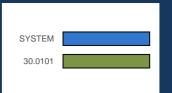
Course Availability:	30.0101		SYSTEM	
Encountered course availability problems	31	74%	4,193	50%

Financial Constraints:	30.0101		SYS	ТЕМ
Had to interrupt studies for financial reasons	2	5%	926	11%
Had to take program part-time for financial reasons	1	2%	1,545	18%



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

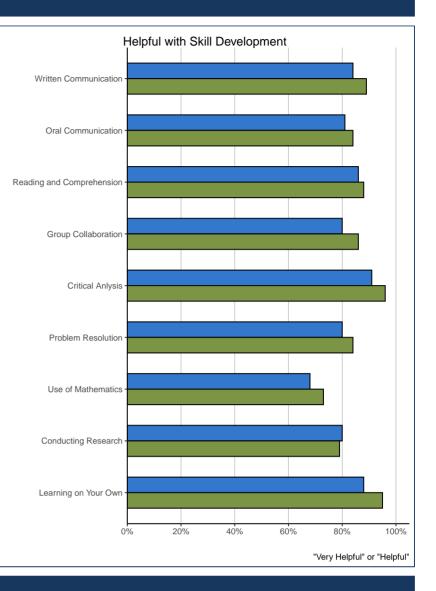
# Detailed Summary of Survey Results All Institutions 30.0101: Biological and physical sciences

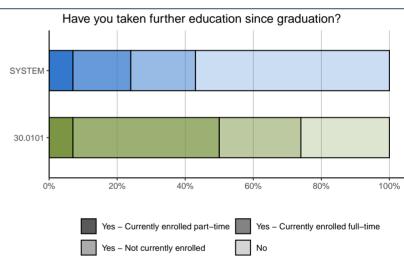


# SKILL DEVELOPMENT

			30.0101		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	42%	47%	7%	5%	43
Oral Communication	24%	60%	12%	5%	42
Reading and Comprehension	38%	50%	10%	2%	42
Group Collaboration	33%	53%	12%	2%	43
Critical Anlysis	56%	40%	5%	0%	43
Problem Resolution	37%	47%	16%	0%	43
Use of Mathematics	27%	46%	24%	2%	41
Conducting Research	37%	42%	14%	7%	43
Learning on Your Own	58%	37%	2%	2%	43

			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





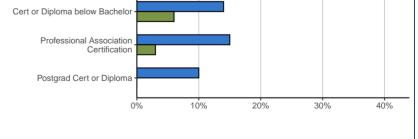
# Further Education/Training Type

### FURTHER EDUCATION

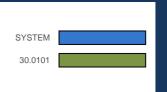
Took further education since 2021 graduation:	30.	30.0101		ТЕМ
Yes	31	74%	3,668	43%
Not currently enrolled	10	24%	1,580	19%
Currently enrolled full-time	18	43%	1,472	17%
Currently enrolled part-time	3	7%	565	7%
No	11	26%	4,870	57%
Total	42	100%	8,538	100%

Type of Formal Post–Secondary Education:	30.	30.0101		ТЕМ
Masters Degree	12	39%	1,184	33%
Doctoral Degree	2	6%	153	4%
Another Undergraduate Degree	11	35%	718	20%
Certificate or Diploma below Bachelor level	2	6%	510	14%
Professional Association Certification	1	3%	538	15%
Postoraduate Certificate or Diploma	0	0%	359	10%

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Other	3	10%	162	4%
Total	31	100%	3,624	100%



# Detailed Summary of Survey Results All Institutions 30.0101: Biological and physical sciences

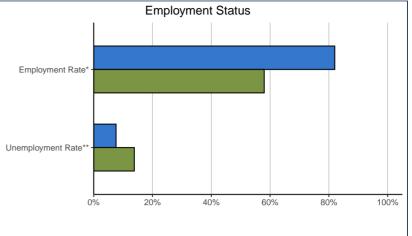


### EMPLOYMENT

Labour Fource Status:	30.0101		SYS	ТЕМ
In Labour Force (working or seeking work)	29	69%	7,643	90%
Not in Labour Force	13	31%	803	10%
Total	42	100%	8,446	100%

Employment:	30.0101		30.0101 SY		TEM
Employment Rate*	25	58%	7,062	82%	
Unemployment Rate**	4	13.8%	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:	30.0101		SYSTEM	
Attending School FT	10	77%	565	70%
Attending School PT	1	8%	20	2%
Other	2	15%	218	27%
Total NOT in Labour Force	13	100%	803	100%

Primary Employment Type:	30.0101		SYS	ТЕМ
Paid worker	24	100%	6,623	94%
Self-employed	0	0%	412	6%
Total	24	100%	7,035	100%

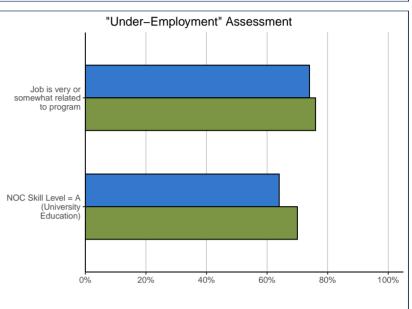
Job Characteristics:	30.0	30.0101		ТЕМ
I hold more than one job*	7	28%	1,243	18%
My main job is full-time (>= 30 hours per week)**	19	83%	5,922	89%
*Of total Employed				

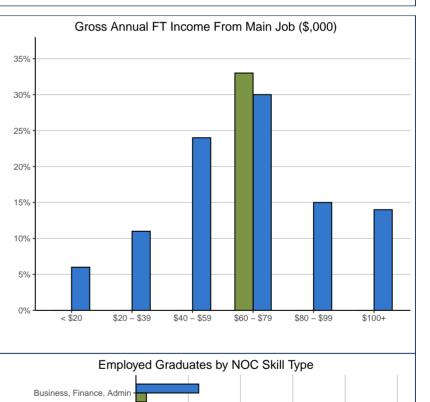
\*\*Of those who provided data on hours/week worked

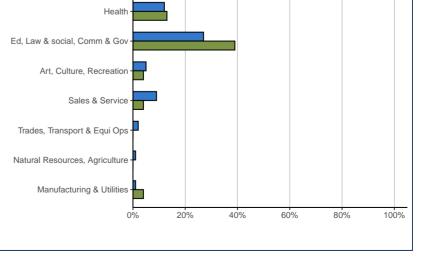
How related is your main job to your program?	30.0101		SYSTEM	
Very Related	4	16%	3,081	44%
Somewhat Related	15	60%	2,151	31%
Not Very Related	5	20%	901	13%
Not at All Related	1	4%	910	13%
Total	25	100%	7,043	100%

"Under-employment" Assessment:	30.0101		SYSTEM	
Job is very or somewhat related to program	19	76%	5,232	74%
NOC Skill Level = A (University Education)*	16	70%	4,148	64%
*Of total valid responses				

Gross Annual Income from Main Job:*	30.0	30.0101		SYSTEM	
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	6	33%	1,609	30%	
\$80,000 to \$99,999	~	~	805	15%	
\$100,000 and Above	0	0%	729	14%	
Total	18	100%	5,349	100%	
Median Annual Income (full-time) (\$)	70,998		68,000		
Average Appuel Income (full time) (f)	66,629		74,015		
Average Annual Income (full-time) (\$) Where data provided					
	30.0	0101	SYS	ТЕМ	
Where data provided NOC Skill Type of Main Job:		0101 4%		TEM 24%	
Where data provided	30.0		SYS		
Where data provided NOC Skill Type of Main Job: Business, finance & administration	<b>30.0</b>	4%	SYS 1,558	24%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related Health	30.0 1 7	4% 30%	SYS 1,558 1,354	24% 21%	
Where data provided NOC Skill Type of Main Job: Business, finance & administration Natural & applied sciences & related	30.0 1 7 3	4% 30% 13%	SYS 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	30.0 1 7 3 9	4% 30% 13% 39%	SYS 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	30.0 1 7 3 9 1	4% 30% 13% 39% 4%	SYS 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	30.0 1 7 3 9 1 1 1	4% 30% 13% 39% 4% 4%	SYS 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	30.0 1 7 3 9 1 1 1 0	4% 30% 13% 39% 4% 4% 0%	SYS 1,558 1,354 761 1,787 296 559 114	24% 21% 12% 27% 5% 9% 2%	



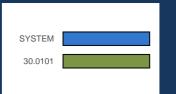




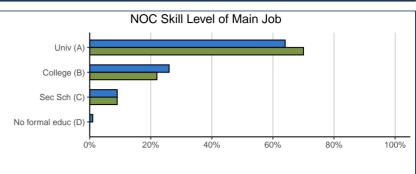
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Natural & Applied sciences

# Detailed Summary of Survey Results All Institutions 30.0101: Biological and physical sciences

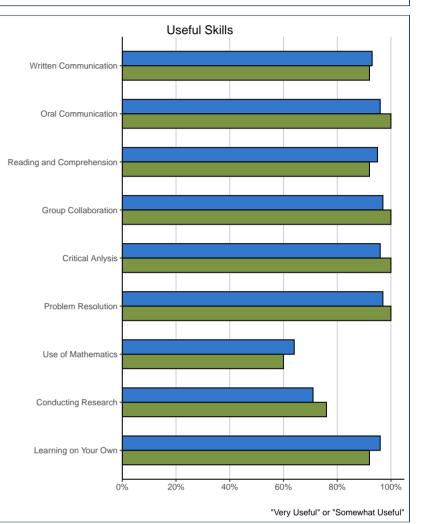


### EMPLOYMENT, continued NOC Skill Level of Main Job: 30.0101 SYSTEM 16 4,148 A. University education 70% 64% B. College education/trade apprenticeship 5 22% 1,713 26% C. Secondary school + job-specific training 2 9% 564 9% D. No formal education 0 0% 90 1% 23 100% Total 6,515 100%



			30.0101		
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%	16%	4%	4%	25
Oral Communication	92%	8%	0%	0%	25
Reading and Comprehension	76%	16%	8%	0%	25
Group Collaboration	84%	16%	0%	0%	25
Critical Anlysis	76%	24%	0%	0%	25
Problem Resolution	72%	28%	0%	0%	25
Use of Mathematics	24%	36%	28%	12%	25
Conducting Research	56%	20%	12%	12%	25
Learning on Your Own	76%	16%	8%	0%	25

	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 Occurations of 30.0101 Uteles: 30.0101 NOC NOC Skill Level Description % Employed FT in this Occ.\*\* \* -<

\* Data not displayed where n < 5

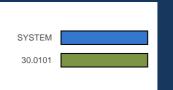
\*\* Percentages cited are of those employed

•	•		
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

# Detailed Summary of Survey Results All Institutions 30.0101: Biological and physical sciences

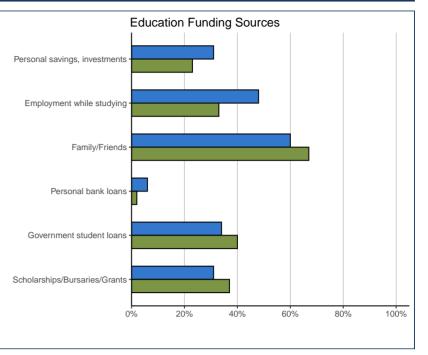


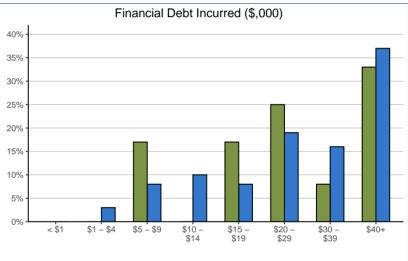
### EDUCATION FINANCING

Funding Sources (3 sources allowed):*	30.0101		SYS	ТЕМ
Personal savings, investments	10	23%	2,643	31%
Employment while studying	14	33%	4,042	48%
Family/Friends	29	67%	5,041	60%
Personal bank loans	1	2%	535	6%
Government student loans	17	40%	2,834	34%
Scholarships/Bursaries/Grants	16	37%	2,631	31%
Other	14	33%	1,990	24%
Total	43		8,391	
* Percentage of respondents who identified this source				

Financial Debt Incurred to Finance Bac. Ed.:\*30.0101SYSTEMIncurred any form of financial debt1944%3,73644%Incurred government–sponsored student loan debt1842%3,10537%\* Percentage of respondents who provided data

Financial Debt Amount:*	Debt Amount:* 30.0101		SYSTEM	
< \$1,000	0	0%	4	0%
\$1,000 to \$4,999	0	0%	85	3%
\$5,000 to \$9,999	2	17%	219	8%
\$10,000 to \$14,999	0	0%	298	10%
\$15,000 to \$19,999	2	17%	233	8%
\$20,000 to \$29,999	3	25%	545	19%
\$30,000 to \$39,999	1	8%	455	16%
\$40,000 or More	4	33%	1,064	37%
Total	12	100%	2,903	100%
Median Financial Debt (\$)	23,000		30,000	



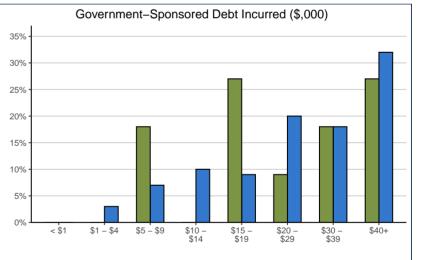


\* Includes only cases where financial debt was incurred

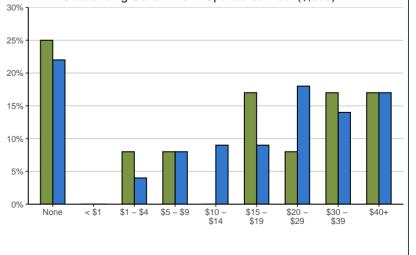
Gov't-Sponsored Student Loan Debt Amount:*	30.0	30.0101		ТЕМ
< \$1,000	0	0%	6	0%
\$1,000 to \$4,999	0	0%	66	3%
\$5,000 to \$9,999	2	18%	156	7%
\$10,000 to \$14,999	0	0%	219	10%
\$15,000 to \$19,999	3	27%	189	9%
\$20,000 to \$29,999	1	9%	424	20%
\$30,000 to \$39,999	2	18%	394	18%
\$40,000 or More	3	27%	687	32%
Total	11	100%	2,141	100%
Median Gov't-Sponsored Loan Debt (\$)	21,000		30,000	

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

Gov't-Sponsored Loan Debt Outstanding:*	30.0101 SYSTE		ТЕМ	
None – Loan repaid in full	3	25%	524	22%
< \$1,000	0	0%	9	0%
\$1,000 to \$4,999	1	8%	103	4%
\$5,000 to \$9,999	1	8%	189	8%
\$10,000 to \$14,999	0	0%	213	9%
\$15,000 to \$19,999	2	17%	208	9%
\$20,000 to \$29,999	1	8%	447	18%
\$30,000 to \$39,999	2	17%	330	14%
\$40,000 or More	2	17%	406	17%
Total	12	100%	2,429	100%
Median Gov't-Sponsored Loan Debt Outstanding** (\$)	26,000		24,000	



Outstanding Government–Sponsored Debt (\$,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