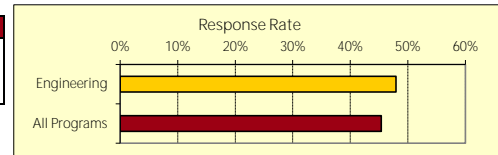


B.C. Baccalaureate Outcomes 2018 Survey of 2016 Baccalaureate Graduates

RESPONSE RATE

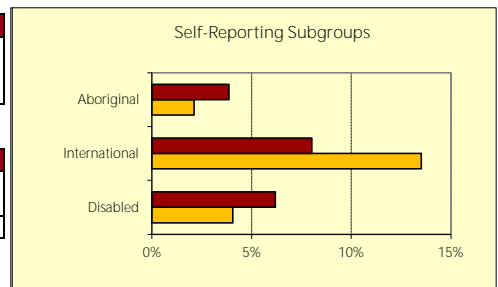
1. Survey Response Rate:	Engineering	All Programs
2016 Baccalaureate Graduates Survey Cohort	2,981	23,520
Survey Respondents and Response Rate	1,429 48%	10,676 45%



Note: ~ = low cell count; data suppressed

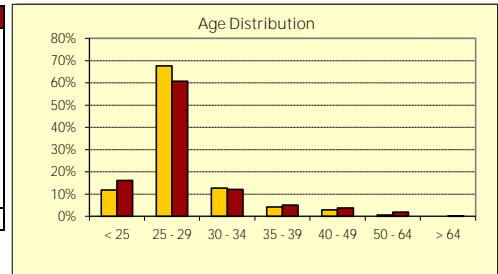
DEMOGRAPHIC INFORMATION

2. Self-Reporting Subgroups:	Engineering	All Programs
Disabled	58 4%	661 6%
International	193 14%	856 8%
Aboriginal	25 2%	366 4%

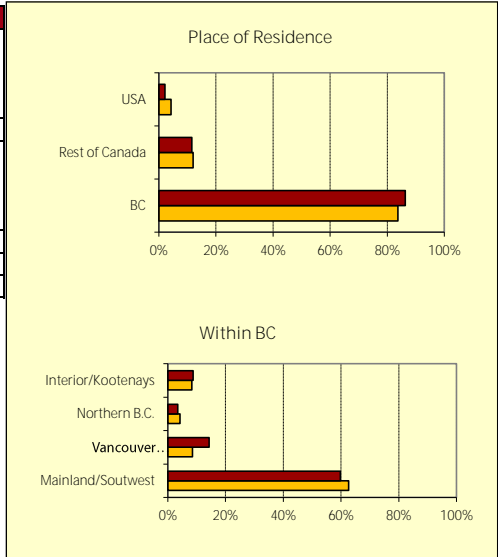


3. Gender:	Engineering	All Programs
Male	980 69%	4,147 39%
Female	449 31%	6,527 61%
Total	1,429 100%	10,674 100%

4. Age (at time of survey):	Engineering	All Programs
< 25	170 12%	1,718 16%
25 to 29	967 68%	6,486 61%
30 to 34	181 13%	1,292 12%
35 to 39	61 4%	541 5%
40 to 49	42 3%	408 4%
50 to 64	8 1%	207 2%
> 64	-	24 0%
Total	1,429 100%	10,676 100%
Mean Age:	28	28

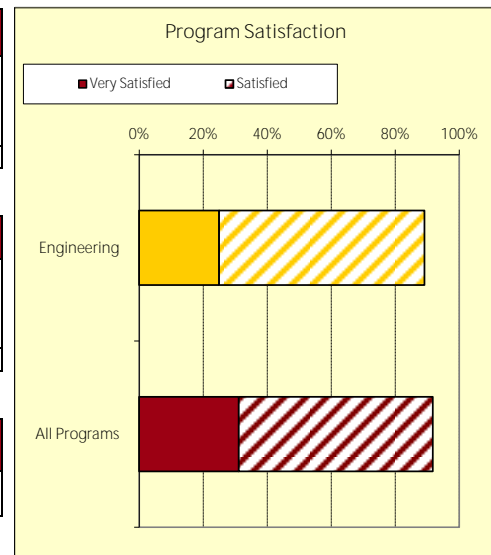


5. Place of Residence (at time of survey):	Engineering	All Programs
BC - Mainland/Southwest	719 63%	5,124 60%
BC - Vancouver Island/Coast	98 9%	1,224 14%
BC - Northern B.C.	48 4%	296 3%
BC - Interior/Kootenays	95 8%	754 9%
BC Subtotal	960 84%	7,398 86%
Canada - Alberta	60 5%	396 5%
Canada - Ontario	47 4%	379 4%
Canada - Other	31 3%	212 2%
U.S.A.	49 4%	185 2%
Non-BC Subtotal	187 16%	1,172 14%
Total	1,147 100%	8,570 100%



EDUCATION EVALUATION AND SKILL DEVELOPMENT

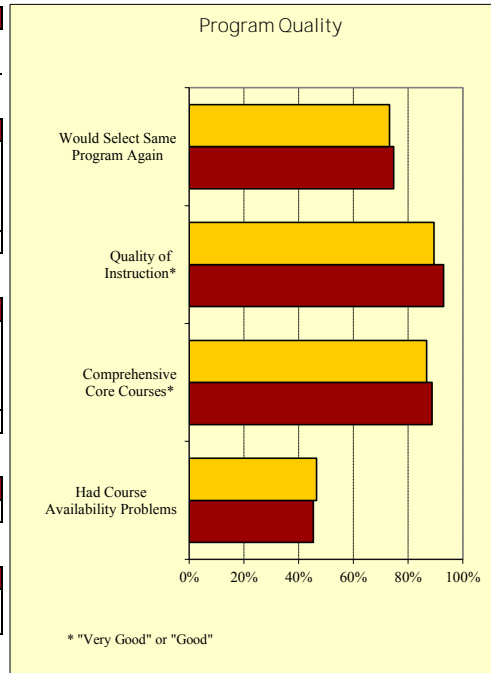
6. Program Satisfaction:	Engineering		All Programs	
Very Satisfied	353	25%	3,293	31%
Satisfied	906	64%	6,412	61%
Dissatisfied	135	10%	728	7%
Very Dissatisfied	18	1%	143	1%
Total	1412	100%	10576	100%



7. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	Engineering		All Programs	
Very Useful	479	39%	3,754	42%
Somewhat Useful	578	47%	3,820	43%
Not Very Useful	131	11%	991	11%
Not at All Useful	41	3%	331	4%
Total	1,229	100%	8,896	100%

8. Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	Engineering		All Programs	
Yes	131	9%	1,005	10%
No	1,281	91%	9,503	90%

9. Select the same program again:	Engineering		All Programs	
Yes	959	73%	7,401	75%
No	350	27%	2,490	25%



10. Quality of Instruction:	Engineering		All Programs	
Very Good	341	24%	3,330	31%
Good	931	66%	6,540	62%
Poor	134	9%	639	6%
Very Poor	15	1%	106	1%
Total	1,421	100%	10,615	100%

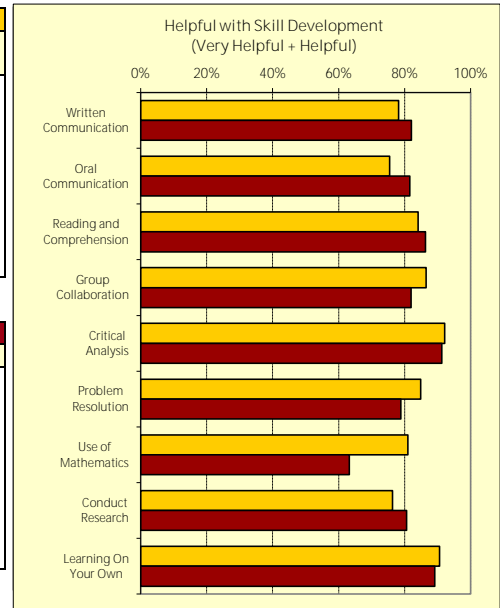
11. Comprehensiveness of Core Courses:	Engineering		All Programs	
Very Good	338	24%	2,888	27%
Good	888	63%	6,445	61%
Poor	169	12%	1,051	10%
Very Poor	17	1%	122	1%
Total	1,412	100%	10,506	100%

12. Course Availability:	Engineering		All Programs	
Encountered course availability problems	655	47%	4,758	45%

13. Financial Constraints:	Engineering		All Programs	
Had to interrupt studies for financial reasons	131	9%	1,389	13%
Had to take program part-time for financial reasons	203	14%	2,239	21%

SKILL DEVELOPMENT

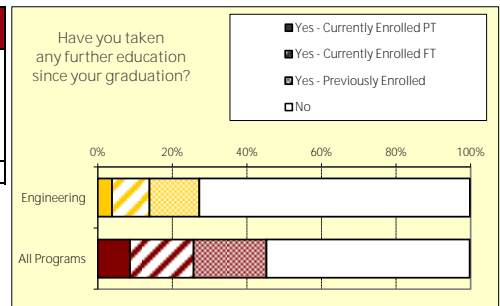
14a. Skill Development: How helpful was institution?	Engineering				# Resp.
	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	
Written Communication	21%	57%	20%	2%	1,383
Oral Communication	19%	56%	23%	2%	1,388
Reading and Comprehension	24%	61%	15%	1%	1,392
Group Collaboration	36%	51%	12%	1%	1,417
Critical Analysis	40%	52%	7%	1%	1,418
Problem Resolution	26%	59%	14%	1%	1,405
Use of Mathematics	32%	49%	17%	2%	1,370
Conducting Research	28%	48%	20%	3%	1,386
Learning On Your Own	42%	49%	8%	1%	1,417



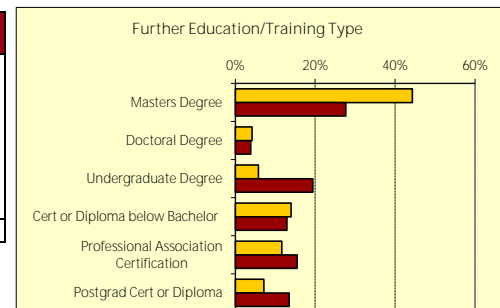
14b. Skill Development: How helpful was institution?	All Programs				#
	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	
Written Communication	27%	55%	16%	2%	10,308
Oral Communication	25%	57%	17%	2%	10,440
Reading and Comprehension	29%	58%	12%	1%	10,424
Group Collaboration	30%	52%	16%	2%	10,499
Critical Analysis	42%	49%	8%	1%	10,592
Problem Resolution	22%	57%	19%	2%	10,311
Use of Mathematics	17%	46%	28%	9%	8,346
Conducting Research	30%	51%	17%	3%	10,169
Learning On Your Own	36%	53%	9%	2%	10,504

FURTHER EDUCATION

15a. Took further education since 2016 graduation:	Engineering		All Programs	
	#	%	#	%
Yes:	391	27%	4,837	46%
Not currently enrolled	190	13%	2,066	20%
Currently enrolled full-time	143	10%	1,804	17%
Currently enrolled part-time	55	4%	920	9%
No	1,035	73%	5,791	54%
Total	1,426	100%	10,628	100%

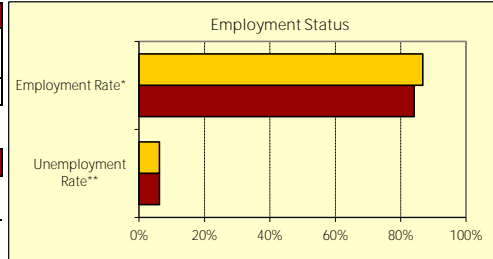


15b. Type of Formal Post-Secondary Education:	Engineering		All Programs	
	#	%	#	%
Masters Degree	168	44%	1,305	28%
Doctoral Degree	16	4%	184	4%
Another Undergraduate Degree	22	6%	916	19%
Certificate or Diploma below Bachelor level	53	14%	609	13%
Professional Association Certification	44	12%	731	15%
Postgraduate Certificate or Diploma	27	7%	637	13%
Other	49	13%	342	7%
Total	379	100%	4,724	100%



EMPLOYMENT

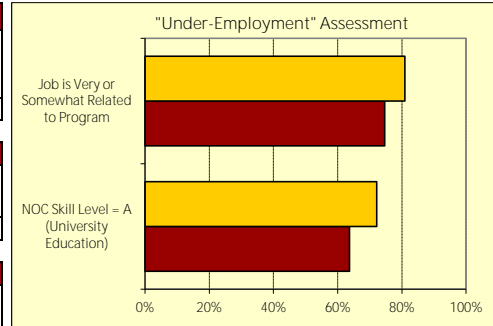
16. Labour Force Status:	Engineering	All Programs
In Labour Force (working or seeking work)	1,317 93%	9,516 90%
Not in Labour Force	104 7%	1,064 10%
Total	1,421 100%	10,580 100%



17. Employment:	Engineering	All Programs
Employment Rate*	1,235 87%	8,924 84%
Unemployment Rate**	82 6.2%	592 6.2%

* Total employed divided by total number of respondents
** Total unemployed divided by total number in Labour Force

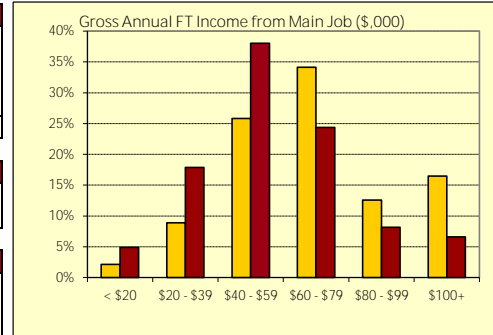
18. Status of Graduates NOT in Labour Force:	Engineering	All Programs
Attending School FT	75 72%	775 73%
Attending School PT	2 2%	36 3%
Other	27 26%	253 24%
Total NOT in Labour Force	104 100%	1,064 100%



19. Primary Employment Type:	Engineering	All Programs
Paid worker	1,172 95%	8,310 94%
Self-employed	59 5%	576 6%
Total	1,231 100%	8,886 100%

20. Job Characteristics:	Engineering	All Programs
I hold more than one job	101 8%*	1,614 18%*
My main job is full-time (>= 30 hours per week)	1,137 95%**	7,477 88%**

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



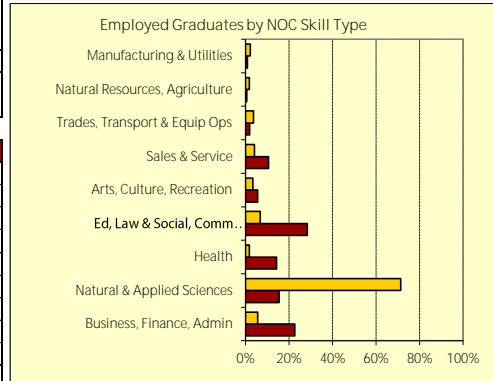
21. How related is your main job to your program?:	Engineering	All Programs
Very Related	561 46%	3,980 45%
Somewhat Related	435 35%	2,658 30%
Not Very Related	141 11%	1,151 13%
Not At All Related	94 8%	1,109 12%
Total	1,231 100%	8,898 100%

22. "Under-employment" Assessment:	Engineering	All Programs
Job is very or somewhat related to program	996 81%	6,638 75%
NOC Skill Level = A (University Education)*	862 72%	5,357 64%

* Of total valid responses

23. Gross Annual Income from Main Job:*	Engineering	All Programs
Less than \$20,000	19 2%	312 5%
\$20,000 to \$39,999	80 9%	1,138 18%
\$40,000 to \$59,999	232 26%	2,421 38%
\$60,000 to \$79,999	307 34%	1,551 24%
\$80,000 to \$99,999	113 13%	520 8%
\$100,000 and Above	148 16%	421 7%
Total	899 100%	6,363 100%
Median Annual Income (full-time)	\$65,000	\$55,000
Average Annual Income (full-time)	\$75,749	\$60,592

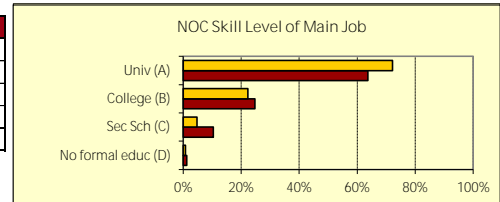
* Where data provided



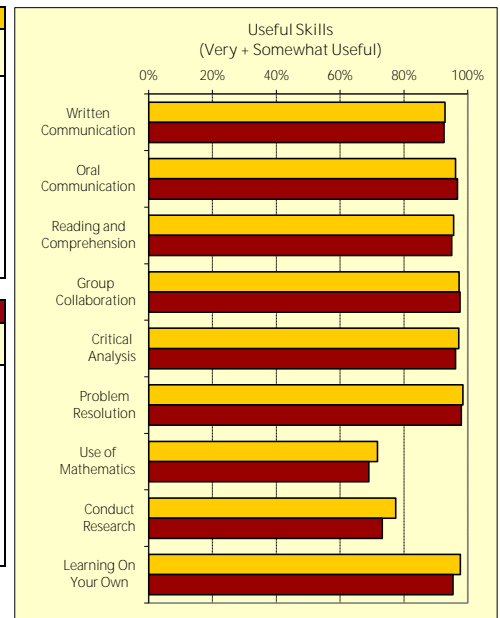
24. NOC Skill Type of Main Job:	Engineering	All Programs
Business, finance & administration	66 6%	1,898 23%
Natural & applied sciences & related	847 71%	1,293 15%
Health	21 2%	1,192 14%
Education, law and social, community & government	79 7%	2,374 28%
Art, culture, recreation & sport	39 3%	461 6%
Sales & service	48 4%	885 11%
Trades, transport & equipment operators & related	43 4%	156 2%
Natural resources, agriculture & related production	20 2%	49 1%
Manufacturing & utilities	26 2%	66 1%
Total	1,189 100%	8,374 100%

EMPLOYMENT, continued

25. NOC Skill Level of Main Job:	Engineering	All Programs
A. University education	862 72%	5,357 64%
B. College education/trade apprenticeship	266 22%	2,082 25%
C. Secondary school + job-specific training	57 5%	875 10%
D. No formal education	9 1%	102 1%
Total	1,194 100%	8,416 100%



26a. How useful are the following skills and abilities in doing your main job?	Engineering				
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	# Resp.
Written Communication	65%	28%	5%	2%	1,230
Oral Communication	78%	18%	4%	0%	1,230
Reading and Comprehension	74%	21%	3%	1%	1,231
Group Collaboration	81%	17%	3%	0%	1,230
Critical Analysis	82%	15%	2%	0%	1,230
Problem Resolution	83%	16%	1%	0%	1,231
Use of Mathematics Appropriate to Field	30%	42%	21%	7%	1,227
Ability to Conduct Research	38%	39%	16%	7%	1,224
Learning On Your Own	77%	20%	2%	0%	1,230



26b. How useful are the following skills and abilities in doing your main job?	All Programs				
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	# Resp.
Written Communication	68%	24%	5%	2%	8,890
Oral Communication	79%	18%	3%	1%	8,896
Reading and Comprehension	74%	21%	4%	1%	8,896
Group Collaboration	81%	16%	2%	0%	8,893
Critical Analysis	78%	18%	3%	1%	8,895
Problem Resolution	81%	17%	2%	0%	8,895
Use of Mathematics Appropriate to Field	33%	36%	19%	12%	8,736
Ability to Conduct Research	37%	36%	17%	10%	8,787
Learning On Your Own	71%	24%	3%	1%	8,879

27a. Top 10 Full-time Occupations of Engineering Graduates:				Engineering
NOC	Skill Level	Description		% Employed FT in this Occ.**
2173	A	Software engineers and designers		11%
2174	A	Computer programmers and interactive media developers		11%
2131	A	Civil engineers		6%
2132	A	Mechanical engineers		5%
2133	A	Electrical and electronics engineers		4%
0711	A	Construction managers		2%
2171	A	Information systems analysts and consultants		2%
4161	A	Natural and applied science policy researchers, consultants and program officers		2%
XXXX	0	Unclassified occupations		2%
2147	A	Computer engineers (except software engineers and designers)		2%

* Data not displayed where n < 5

** Percentages cited are of those for whom occupational data was provided, full-time and part-time

27b. Top 10 Full-time Occupations of Graduates from All Programs:				All Programs
NOC	Skill Level	Description		% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses		8%
4032	A	Elementary school and kindergarten teachers		4%
1111	A	Financial auditors and accountants		4%
XXXX	0	Unclassified occupations		4%
4031	A	Secondary school teachers		3%
4212	B	Social and community service workers		2%
1123	A	Professional occupations in advertising, marketing and public relations		2%
2174	A	Computer programmers and interactive media developers		2%
2173	A	Software engineers and designers		2%
4112	A	Lawyers and Quebec notaries		1%

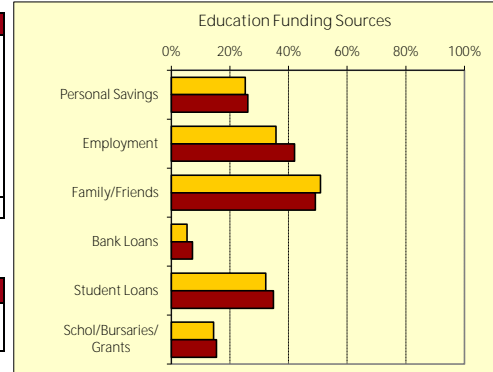
* Data not displayed where n < 5

** Percentages cited are of those for whom occupational data was provided, full-time and part-time

EDUCATION FINANCING

28. Funding Sources (2 sources allowed):	Engineering	All Programs
Personal Savings	350 25%*	2,720 26%*
Employment	495 36%*	4,393 42%*
Family/Friends	706 51%*	5,127 49%*
Bank Loans	75 5%*	751 7%*
Student Loans	447 32%*	3,641 35%*
Scholarships/Bursaries/Grants	200 14%*	1,612 15%*
Other	302 22%*	910 9%*
Total	1,387	10,439

* Percentage of respondents who identified this source

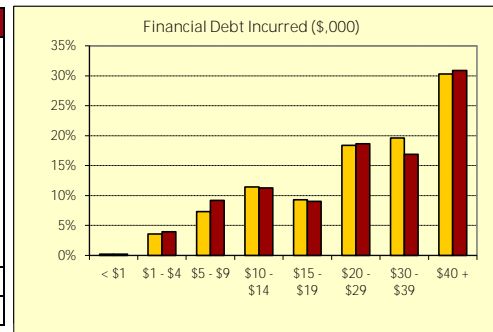


29. Financial Debt Incurred to Finance Bac. Ed.:	Engineering	All Programs
Incurred any form of financial debt	561 45%*	4,314 46%
Incurred government-sponsored student loan debt	429 33%*	3,315 35%

* Percentage of respondents who provided data

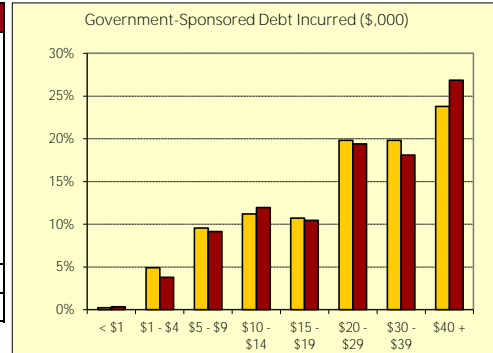
30. Financial Debt Amount:*	Engineering	All Programs
< \$1,000	1 0%	9 0%
\$1,000 to \$4,999	20 4%	170 4%
\$5,000 to \$9,999	41 7%	397 9%
\$10,000 to \$14,999	64 11%	486 11%
\$15,000 to \$19,999	52 9%	388 9%
\$20,000 to \$29,999	103 18%	804 19%
\$30,000 to \$39,999	110 20%	727 17%
\$40,000 or More	170 30%	1,333 31%
Total	561 100%	4,314 100%
Median Financial Debt	\$29,000	\$26,000

* Includes only cases where financial debt was incurred



31. Gov't-Sponsored Student Loan Debt Amount:*	Engineering	All Programs
< \$1,000	1 0%	11 0%
\$1,000 to \$4,999	21 5%	126 4%
\$5,000 to \$9,999	41 10%	303 9%
\$10,000 to \$14,999	48 11%	396 12%
\$15,000 to \$19,999	46 11%	346 10%
\$20,000 to \$29,999	85 20%	643 19%
\$30,000 to \$39,999	85 20%	600 18%
\$40,000 or More	102 24%	890 27%
Total	429 100%	3,315 100%
Median Gov't-Sponsored Student Loan Debt	\$25,000	\$25,000

* Includes only cases where government-sponsored debt was incurred



32. Gov't-Sponsored Loan Debt Outstanding:*	Engineering	All Programs
None - Loan repaid in full	184 45%	913 29%
< \$1,000	- 0%	7 0%
\$1,000 to \$4,999	12 3%	149 5%
\$5,000 to \$9,999	31 8%	281 9%
\$10,000 to \$14,999	26 6%	252 8%
\$15,000 to \$19,999	26 6%	271 9%
\$20,000 to \$29,999	59 14%	432 14%
\$30,000 to \$39,999	29 7%	369 12%
\$40,000 or More	46 11%	467 15%
Total	413 100%	3,141 100%
Median Gov't-Sponsored Loan Debt Outstanding**	\$20,000	\$21,000

* 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

