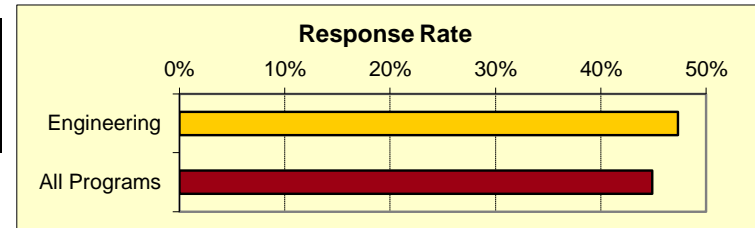


B.C. Baccalaureate Outcomes 2017 Survey of 2015 Baccalaureate Graduates

RESPONSE RATE

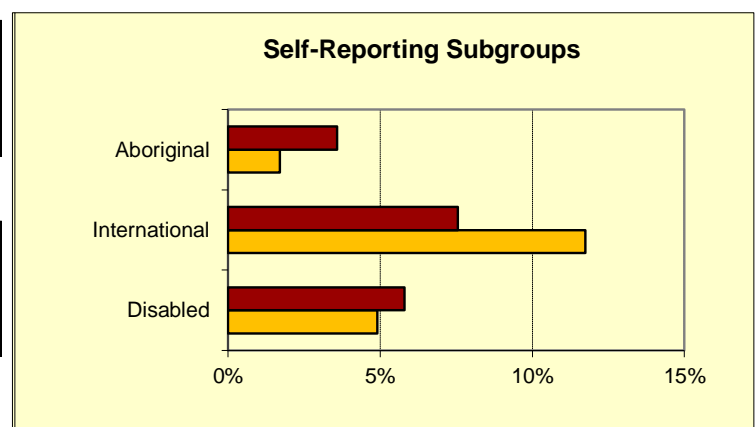
1. Survey Response Rate:	Engineering		All Programs	
2015 Baccalaureate Graduates Survey Cohort	2,715		23,715	
Survey Respondents and Response Rate	1,285	47%	10,642	45%



Note: ~ = low cell count; data suppressed

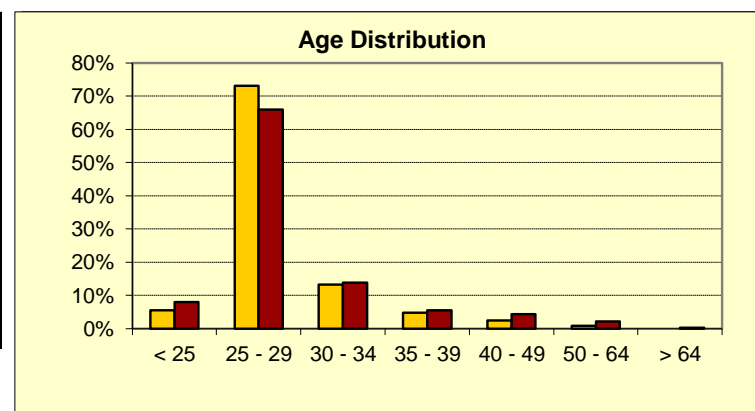
DEMOGRAPHIC INFORMATION

2. Self-Reporting Subgroups:	Engineering		All Programs	
Disabled	63	5%	617	6%
International	151	12%	804	8%
Aboriginal	19	2%	348	4%

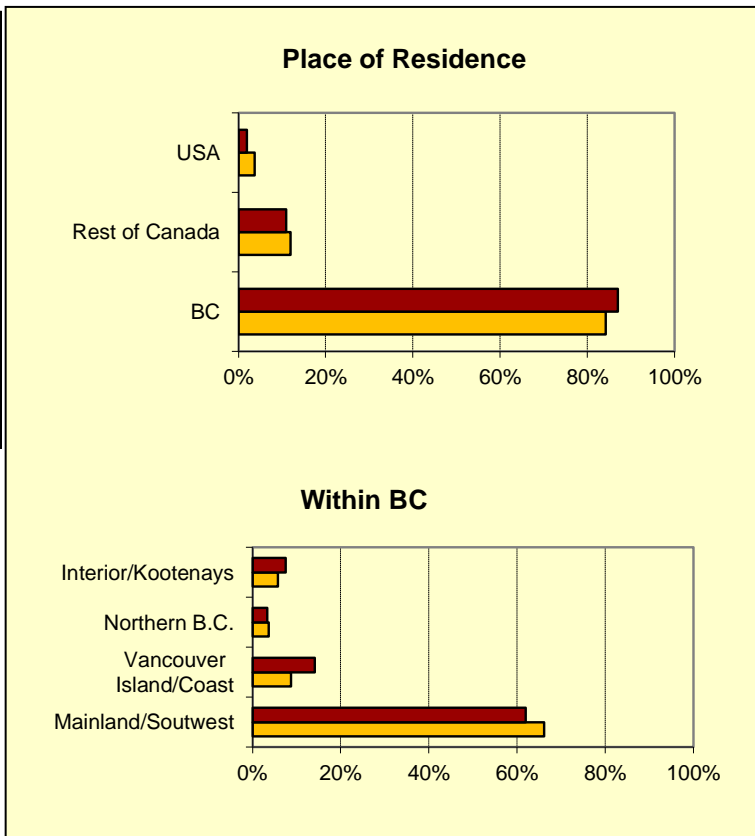


3. Gender:	Engineering		All Programs	
Male	919	72%	4,168	39%
Female	366	28%	6,474	61%
Total	1,285	100%	10,642	100%

4. Age (at time of survey):	Engineering		All Programs	
< 25	68	5%	829	8%
25 to 29	906	73%	6,851	66%
30 to 34	165	13%	1,434	14%
35 to 39	60	5%	574	6%
40 to 49	31	3%	456	4%
50 to 64	10	1%	220	2%
> 64	~	~	22	0%
Total	1,240	100%	10,386	100%
Mean Age:	28		29	



5. Place of Residence (at time of survey):	Engineering		All Programs	
BC - Mainland/Southwest	740	66%	5,663	62%
BC - Vancouver Island/Coast	98	9%	1,294	14%
BC - Northern B.C.	41	4%	307	3%
BC - Interior/Kootenays	64	6%	693	8%
BC Subtotal	943	84%	7,957	87%
Canada - Alberta	74	7%	450	5%
Canada - Ontario	37	3%	330	4%
Canada - Other	23	2%	225	2%
U.S.A.	42	4%	177	2%
Non-BC Subtotal	176	16%	1,182	13%
Total	1,119	100%	9,139	100%



EDUCATION EVALUATION AND SKILL DEVELOPMENT

6. Program Satisfaction:	Engineering		All Programs	
Very Satisfied	345	27%	3,369	32%
Satisfied	815	64%	6,351	60%
Dissatisfied	99	8%	652	6%
Very Dissatisfied	16	1%	155	1%
Total	1275	100%	10527	100%

7. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	Engineering		All Programs	
Very Useful	451	40%	3,734	42%
Somewhat Useful	521	46%	3,756	43%
Not Very Useful	133	12%	986	11%
Not at All Useful	27	2%	312	4%
Total	1,132	100%	8,788	100%

8. Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	Engineering		All Programs	
Yes	135	11%	983	9%
No	1,130	89%	9,490	91%

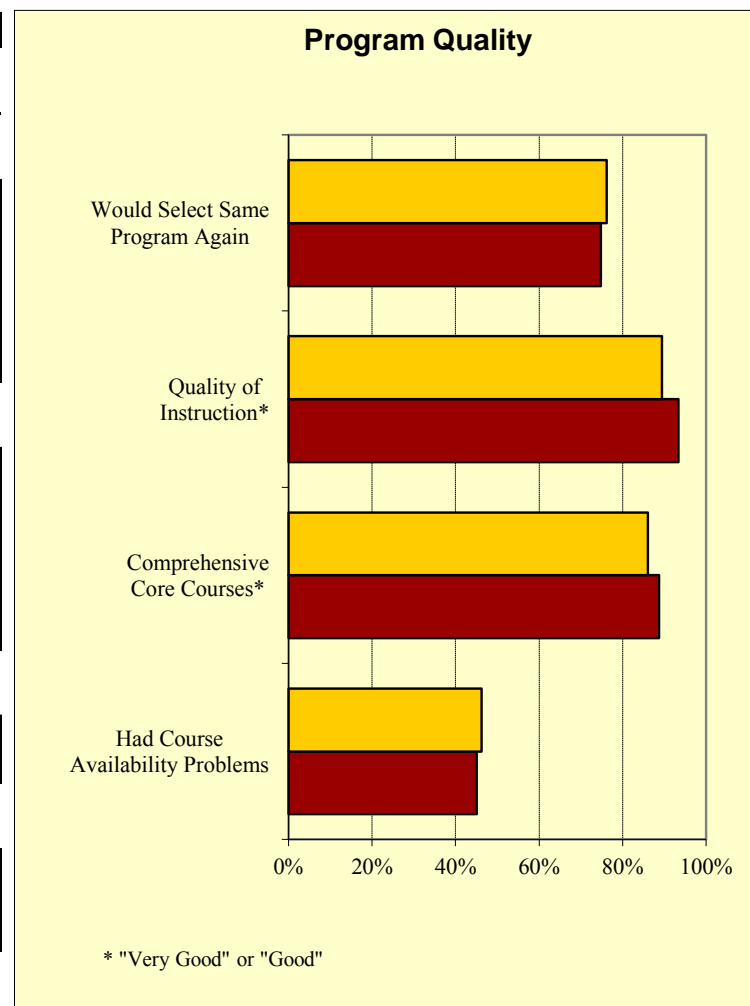
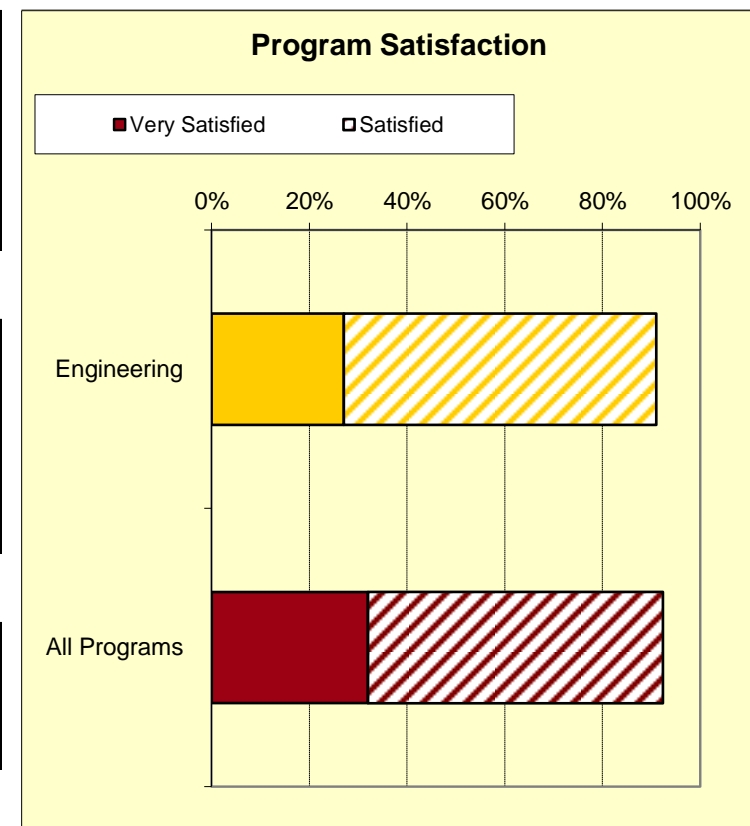
9. Select the same program again:	Engineering		All Programs	
Yes	913	76%	7,418	75%
No	286	24%	2,493	25%

10. Quality of Instruction:	Engineering		All Programs	
Very Good	284	22%	3,347	32%
Good	854	67%	6,511	62%
Poor	120	9%	607	6%
Very Poor	14	1%	90	1%
Total	1,272	100%	10,555	100%

11. Comprehensiveness of Core Courses:	Engineering		All Programs	
Very Good	322	25%	2,892	28%
Good	771	61%	6,379	61%
Poor	163	13%	1,059	10%
Very Poor	14	1%	115	1%
Total	1,270	100%	10,445	100%

12. Course Availability:	Engineering		All Programs	
Encountered course availability problems	589	46%	4,727	45%

13. Financial Constraints:	Engineering		All Programs	
Had to interrupt studies for financial reasons	111	9%	1,431	14%
Had to take program part-time for financial reasons	158	12%	2,183	21%



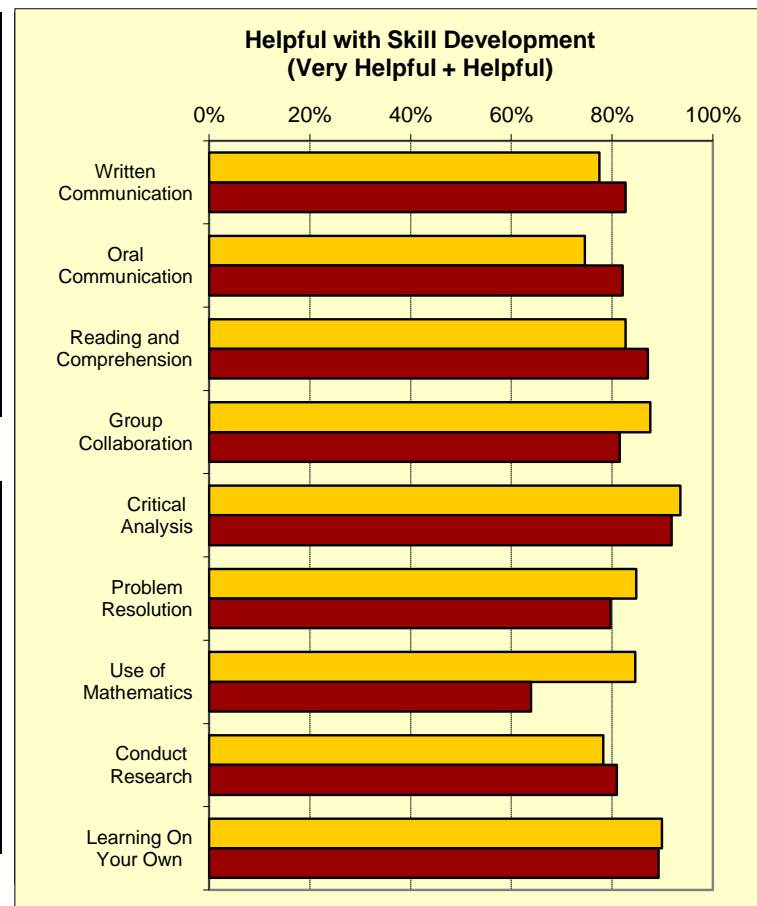
SKILL DEVELOPMENT

14a. Skill Development: How helpful was institution?

	Engineering				# Resp.
	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	
Written Communication	19%	59%	20%	2%	1,249
Oral Communication	15%	59%	24%	2%	1,250
Reading and Comprehension	22%	60%	16%	1%	1,241
Group Collaboration	36%	51%	11%	2%	1,273
Critical Analysis	42%	52%	6%	1%	1,276
Problem Resolution	28%	57%	14%	2%	1,269
Use of Mathematics	36%	49%	13%	2%	1,224
Conducting Research	27%	51%	19%	3%	1,243
Learning On Your Own	41%	49%	9%	1%	1,270

14b. Skill Development: How helpful was institution?

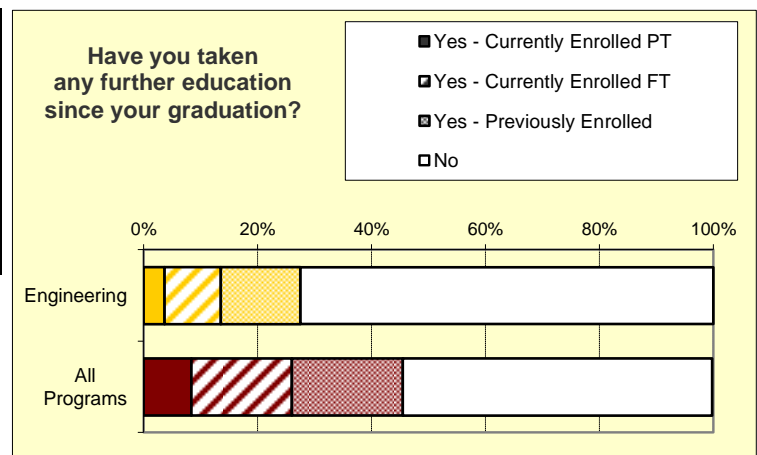
	All Programs				#
	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	
Written Communication	27%	56%	15%	2%	10,296
Oral Communication	24%	58%	16%	2%	10,421
Reading and Comprehension	29%	59%	12%	1%	10,385
Group Collaboration	30%	52%	16%	3%	10,431
Critical Analysis	43%	49%	7%	1%	10,570
Problem Resolution	22%	58%	18%	2%	10,307
Use of Mathematics	18%	46%	27%	9%	8,311
Conducting Research	30%	51%	16%	3%	10,161
Learning On Your Own	34%	55%	9%	1%	10,462



FURTHER EDUCATION

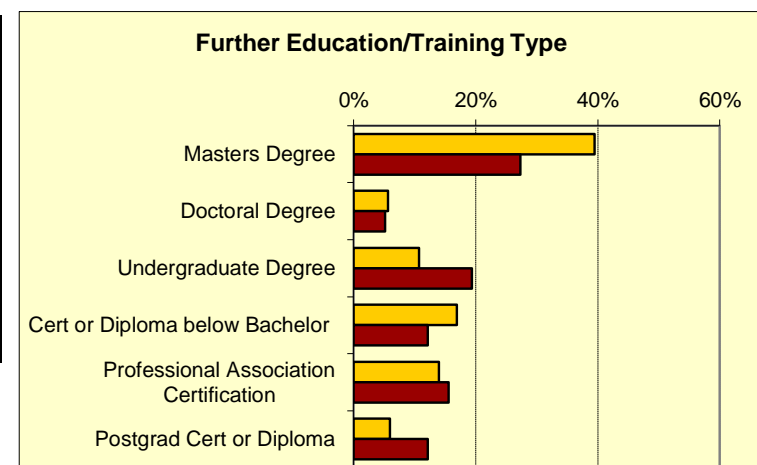
15a. Took further education since 2015 graduation:

	Engineering		All Programs	
Yes:	352	28%	4,851	46%
Not currently enrolled	178	14%	2,060	19%
Currently enrolled full-time	126	10%	1,863	18%
Currently enrolled part-time	47	4%	887	8%
No	925	72%	5,756	54%
Total	1,277	100%	10,607	100%



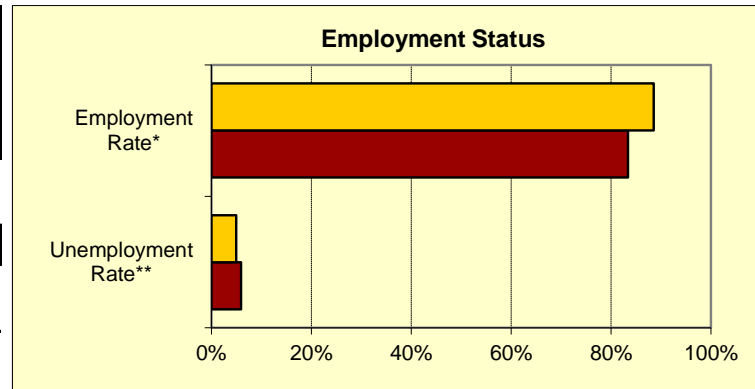
15b. Type of Formal Post-Secondary Education:

	Engineering		All Programs	
Masters Degree	133	39%	1,289	27%
Doctoral Degree	19	6%	242	5%
Another Undergraduate Degree	36	11%	914	19%
Certificate or Diploma below Bachelor level	57	17%	574	12%
Professional Association Certification	47	14%	733	16%
Postgraduate Certificate or Diploma	20	6%	572	12%
Other	25	7%	397	8%
Total	337	100%	4,721	100%



EMPLOYMENT

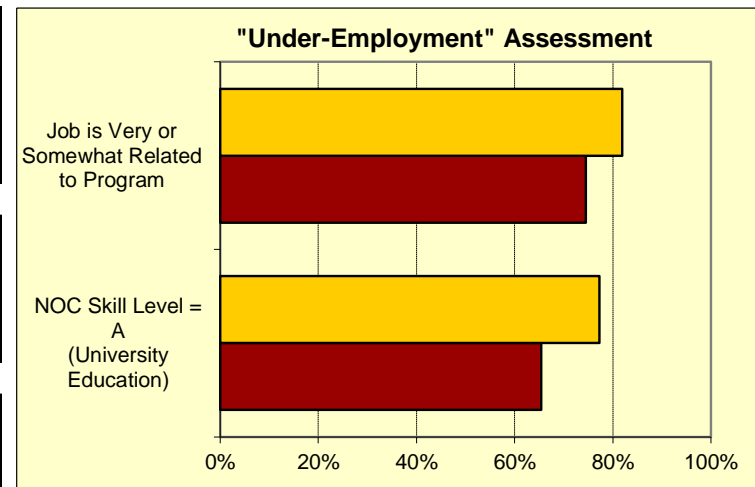
16. Labour Force Status:	Engineering	All Programs
In Labour Force (working or seeking work)	1,192 93%	9,385 89%
Not in Labour Force	86 7%	1,157 11%
Total	1,278 100%	10,542 100%



17. Employment:	Engineering	All Programs
Employment Rate*	1,133 89%	8,823 83%
Unemployment Rate**	59 4.9%	562 6.0%

* 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	62 72%	868 75%
Attending School PT	2 2%	26 2%
Other	22 26%	263 23%
Total NOT in Labour Force	86 100%	1,157 100%

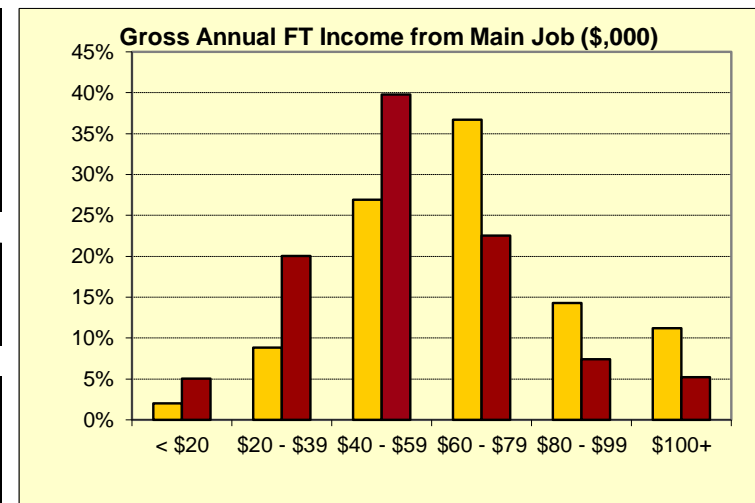


19. Primary Employment Type:	Engineering	All Programs
Paid worker	1,073 95%	8,241 94%
Self-employed	55 5%	555 6%
Total	1,128 100%	8,796 100%

20. Job Characteristics:	Engineering	All Programs
I hold more than one job	104 9%*	1,573 18%*
My main job is full-time (>= 30 hours per week)	1,054 97%**	7,384 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	554 49%	3,911 44%
Somewhat Related	373 33%	2,650 30%
Not Very Related	129 11%	1,137 13%
Not At All Related	75 7%	1,103 13%
Total	1,131 100%	8,801 100%



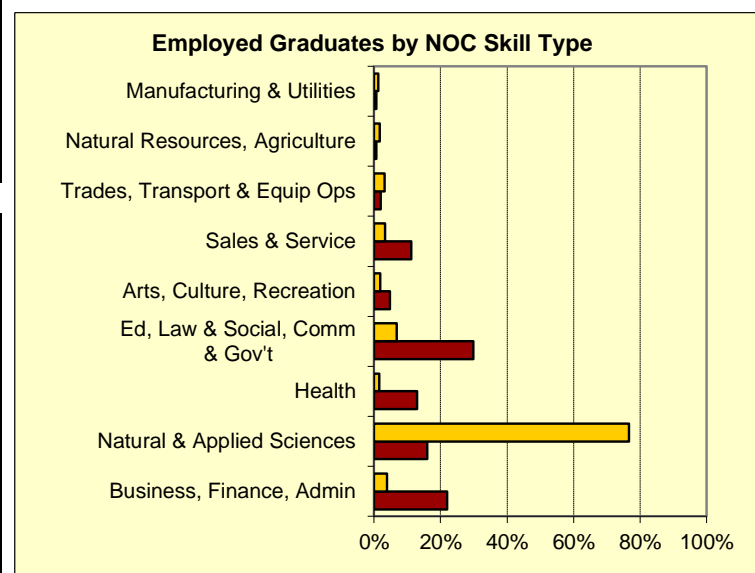
22. "Under-employment" Assessment:	Engineering	All Programs
Job is very or somewhat related to program	927 82%	6,561 75%
NOC Skill Level = A (University Education)*	851 77%	5,584 65%

* Of total valid responses

23. Gross Annual Income from Main Job:*	Engineering	All Programs
Less than \$20,000	17 2%	311 5%
\$20,000 to \$39,999	74 9%	1,239 20%
\$40,000 to \$59,999	226 27%	2,459 40%
\$60,000 to \$79,999	308 37%	1,392 23%
\$80,000 to \$99,999	120 14%	458 7%
\$100,000 and Above	94 11%	325 5%
Total	839 100%	6,184 100%
Median Annual Income (full-time)	\$64,000	\$52,000
Average Annual Income (full-time)	\$70,230	\$57,523

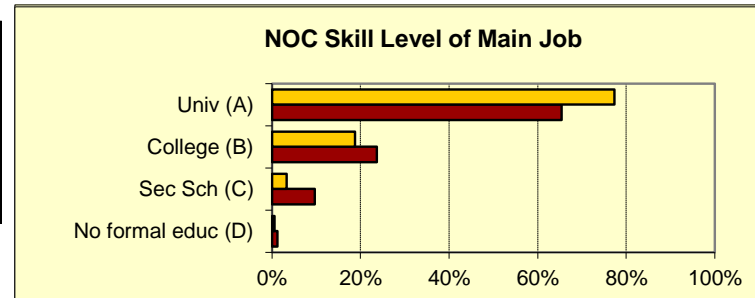
* Where data provided

24. NOC Skill Type of Main Job:	Engineering	All Programs
Business, finance & administration	43 4%	1,870 22%
Natural & applied sciences & related	841 77%	1,351 16%
Health	17 2%	1,099 13%
Education, law and social, community & government	74 7%	2,535 30%
Art, culture, recreation & sport	20 2%	405 5%
Sales & service	36 3%	943 11%
Trades, transport & equipment operators & related	34 3%	166 2%
Natural resources, agriculture & related production	18 2%	56 1%
Manufacturing & utilities	14 1%	59 1%
Total	1,097 100%	8,484 100%

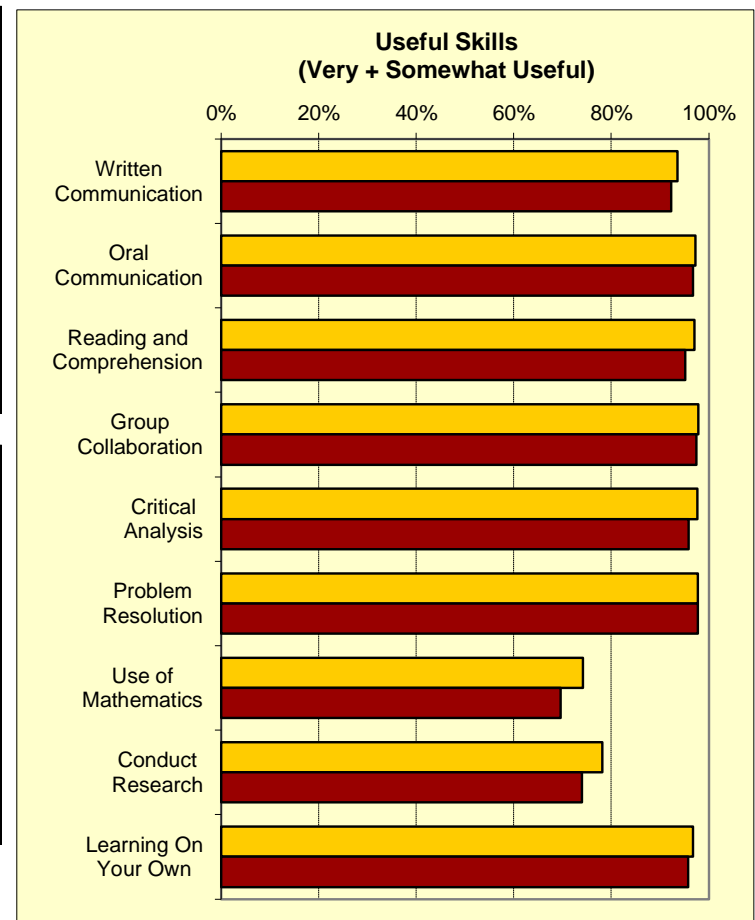


EMPLOYMENT, continued

25. NOC Skill Level of Main Job:	Engineering		All Programs	
A. University education	851	77%	5,584	65%
B. College education/trade apprenticeship	207	19%	2,020	24%
C. Secondary school + job-specific training	36	3%	830	10%
D. No formal education	7	1%	108	1%
Total	1,101	100%	8,542	100%



26a. How useful are the following skills and abilities in doing your main job?	Engineering				# Resp.
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	
Written Communication	65%	28%	5%	1%	1,132
Oral Communication	78%	19%	2%	0%	1,132
Reading and Comprehension	74%	23%	2%	1%	1,132
Group Collaboration	79%	19%	2%	0%	1,131
Critical Analysis	82%	16%	2%	0%	1,132
Problem Resolution	84%	13%	2%	0%	1,132
Use of Mathematics Appropriate to Field	33%	41%	19%	7%	1,126
Ability to Conduct Research	39%	39%	16%	6%	1,128
Learning On Your Own	76%	21%	2%	1%	1,131



26b. How useful are the following skills and abilities in doing your main job?	All Programs				# Resp.
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	
Written Communication	69%	24%	5%	2%	8,796
Oral Communication	78%	18%	2%	1%	8,798
Reading and Comprehension	74%	21%	4%	1%	8,799
Group Collaboration	81%	16%	2%	1%	8,794
Critical Analysis	77%	19%	3%	1%	8,797
Problem Resolution	81%	17%	2%	1%	8,799
Use of Mathematics Appropriate to Field	33%	36%	19%	11%	8,676
Ability to Conduct Research	38%	36%	17%	9%	8,721
Learning On Your Own	71%	25%	3%	1%	8,788

27a. Top 10 Full-time Occupations of Engineering Graduates:	Engineering			% Employed FT in this Occ.**
NOC	NOC	Skill Level Description		
2174	A	Computer programmers and interactive media developers		13%
2173	A	Software engineers and designers		11%
2132	A	Mechanical engineers		8%
2131	A	Civil engineers		6%
2133	A	Electrical and electronics engineers		6%
2147	A	Computer engineers (except software engineers and designers)		3%
2171	A	Information systems analysts and consultants		2%
0711	A	Construction managers		2%
4161	A	Natural and applied science policy researchers, consultants and program officers		2%
2144	A	Geological engineers		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			% Employed FT in this Occ.**
NOC	NOC	Skill Level Description		
3012	A	Registered nurses and registered psychiatric nurses		7%
4032	A	Elementary school and kindergarten teachers		5%
1111	A	Financial auditors and accountants		4%
4031	A	Secondary school teachers		2%
4212	B	Social and community service workers		2%
2174	A	Computer programmers and interactive media developers		2%
1123	A	Professional occupations in advertising, marketing and public relations		2%
XXXX	0	Unclassified occupations		2%
2173	A	Software engineers and designers		2%
4112	A	Lawyers and Quebec notaries		2%

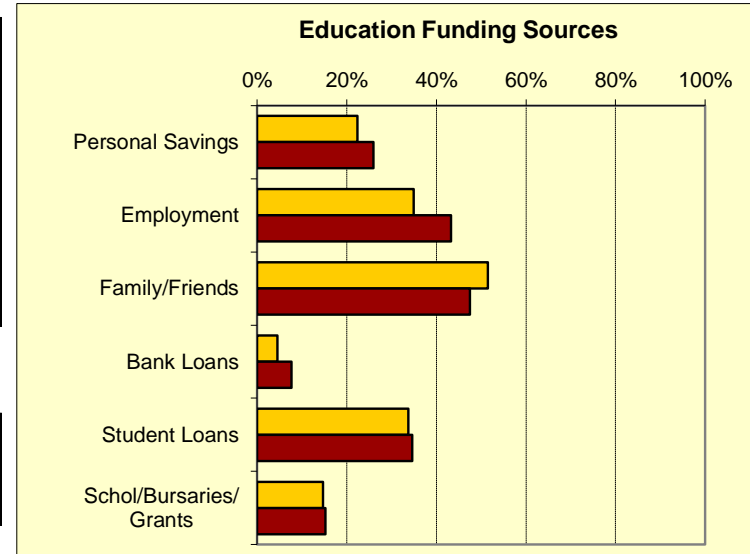
* Data not displayed where n < 5

** 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	283	22%*	2,709	26%*
Employment	442	35%*	4,513	43%*
Family/Friends	652	52%*	4,957	47%*
Bank Loans	57	5%*	803	8%*
Student Loans	427	34%*	3,616	35%*
Scholarships/Bursaries/Grants	186	15%*	1,588	15%*
Other	305	24%*	944	9%*
Total	1,265		10,438	

* Percentage of respondents who identified this source

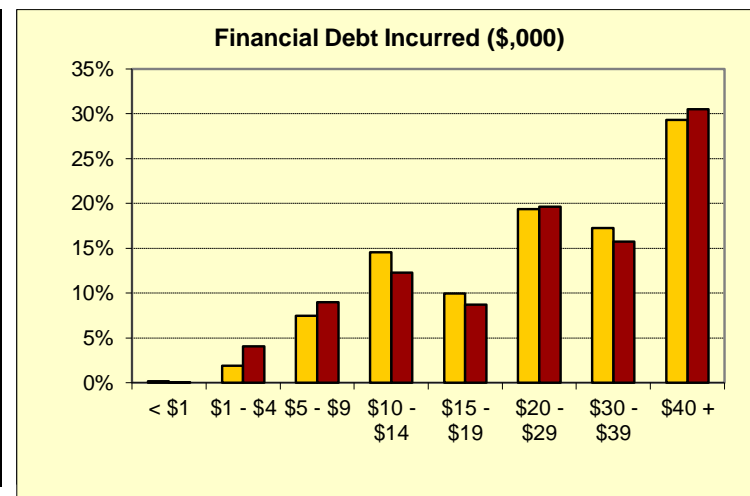


29. Financial Debt Incurred to Finance Bac. Ed.:	Engineering		All Programs	
Incurred any form of financial debt	522	46%*	4,384	47%
Incurred government-sponsored student loan debt	420	36%*	3,311	35%

* Percentage of respondents who provided data

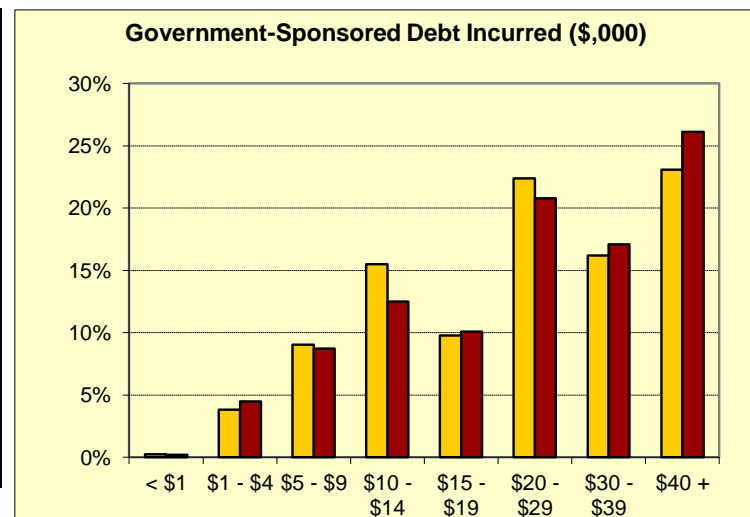
30. Financial Debt Amount:*	Engineering		All Programs	
< \$1,000	1	0%	4	0%
\$1,000 to \$4,999	10	2%	178	4%
\$5,000 to \$9,999	39	7%	393	9%
\$10,000 to \$14,999	76	15%	538	12%
\$15,000 to \$19,999	52	10%	382	9%
\$20,000 to \$29,999	101	19%	861	20%
\$30,000 to \$39,999	90	17%	691	16%
\$40,000 or More	153	29%	1,337	30%
Total	522	100%	4,384	100%
Median Financial Debt	\$25,992		\$25,000	

* Includes only cases where financial debt was incurred



31. Gov't-Sponsored Student Loan Debt Amount:*	Engineering		All Programs	
< \$1,000	1	0%	7	0%
\$1,000 to \$4,999	16	4%	149	5%
\$5,000 to \$9,999	38	9%	289	9%
\$10,000 to \$14,999	65	15%	414	13%
\$15,000 to \$19,999	41	10%	334	10%
\$20,000 to \$29,999	94	22%	688	21%
\$30,000 to \$39,999	68	16%	566	17%
\$40,000 or More	97	23%	864	26%
Total	420	100%	3,311	100%
Median Gov't-Sponsored Student Loan Debt	\$24,500		\$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	165	41%	856	27%
< \$1,000	-	0%	12	0%
\$1,000 to \$4,999	16	4%	158	5%
\$5,000 to \$9,999	31	8%	259	8%
\$10,000 to \$14,999	34	8%	266	8%
\$15,000 to \$19,999	24	6%	262	8%
\$20,000 to \$29,999	53	13%	459	15%
\$30,000 to \$39,999	36	9%	374	12%
\$40,000 or More	45	11%	497	16%
Total	404	100%	3,143	100%
Median Gov't-Sponsored Loan Debt Outstanding**	\$20,000		\$22,000	

* 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

