

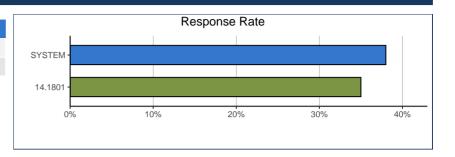
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

14.1801

Detailed Summary of Survey Results
All Institutions
14.1801: Materials engineering

RESPONSE RATE

Survey Response Rate:	14.1801		SYSTEM	
Baccalaureate Graduates Survey Cohort	57	100%	24,752	100%
Survey Respondents and Response Rate	20	35%	9,423	38%

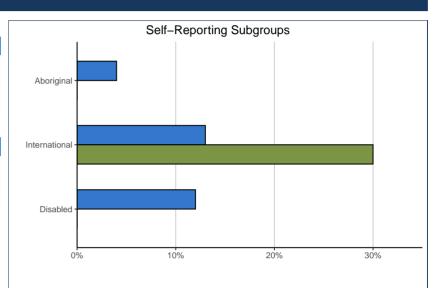


DEMOGRAPHIC INFORMATION

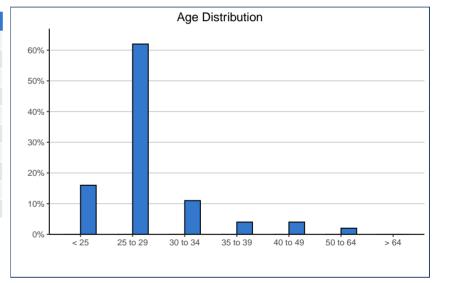
Self-Reporting Subgroups:	14.1801		SYSTEM	
Disabled	~	~	1,082	12%
International	6	30%	1,205	13%
Aboriginal	0	0%	357	4%

Gender:*	14.1801		SYSTEM	
Male	12	60%	3,744	40%
Female	8	40%	5,675	60%
Total	20	100%	9,419	100%

^{*}Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.

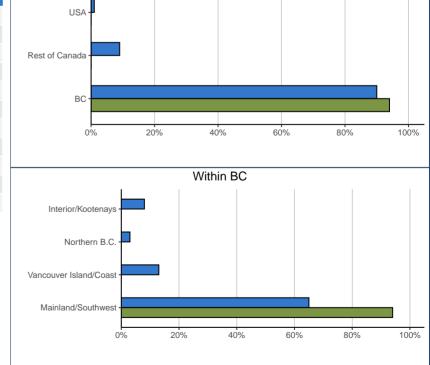


Age (at time of survey):	14.1801		SYSTEM	
< 25	~	~	1,496	16%
25 to 29	~	~	5,860	62%
30 to 34	~	~	1,035	11%
35 to 39	0	0%	421	4%
40 to 49	0	0%	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	20	100%	9,417	100%
Median Age	25		26	
Average (mean) Age	26		28	



Place of Residence

Place of Residence (at time of survey):	14.1801		SYSTEM	
BC - Mainland/Southwest	15	94%	5,472	65%
BC - Vancouver Island/Coast	0	0%	1,112	13%
BC – Northern B.C.	0	0%	270	3%
BC – Interior/Kootenays	0	0%	672	8%
BC Subtotal	15	94%	7,526	90%
Canada – Alberta	0	0%	343	4%
Canada - Ontario	~	~	280	3%
Canada - Other	0	0%	176	2%
U.S.A.	0	0%	80	1%
Non-BC Subtotal	~	~	879	10%
Total	~	~	8,405	100%





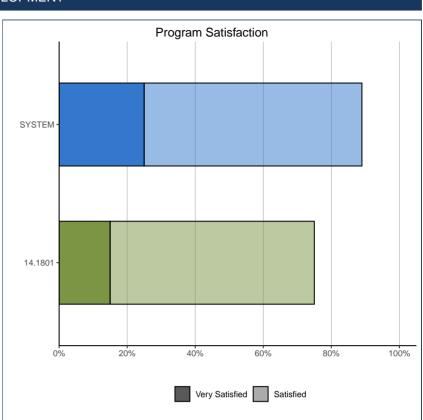


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1801		SYSTEM	
Very Satisfied	3	15%	2,332	25%
Satisfied	12	60%	5,914	64%
Dissatisfied	4	20%	831	9%
Very Dissatisfied	1	5%	188	2%
Total	20	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1801		SYSTEM	
Very Useful	3	20%	3,011	38%
Somewhat Useful	8	53%	3,664	47%
Not Very Useful	1	7%	886	11%
Not at All Useful	3	20%	283	4%
Total	15	100%	7,844	100%
IOIdi	15	100%	7,044	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.1801		SYSTEM		
Yes	2	10%	902	10%		
No	18	90%	8,298	90%		



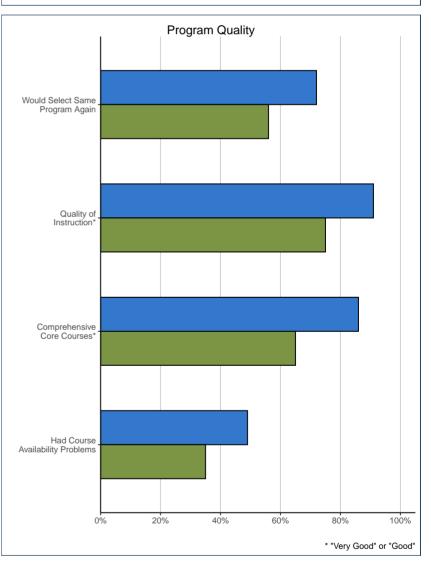
Would select the same program again:	14.1801		SYSTEM	
Yes	10	56%	5,963	72%
No	8	44%	2,334	28%

Quality of Instruction:	14.	14.1801		SYSTEM	
Very Good	5	5 25%		27%	
Good	10	50%	6,007	64%	
Poor	3	15%	685	7%	
Very Poor	2	10%	131	1%	
Total	20	100%	9.321	100%	

Comprehensiveness of Core Courses:	14.	14.1801		SYSTEM	
Very Good	4	20%	2,303	25%	
Good	9	45%	5,649	61%	
Poor	6	30%	1,073	12%	
Very Poor	1	5%	172	2%	
Total	20	100%	9.197	100%	

Course Availability:	14.1801		SYSTEM	
Encountered course availability problems	7	35%	4,485	49%

Financial Constraints:	14.1801		SYS	TEM
Had to interrupt studies for financial reasons	5	25%	987	11%
Had to take program part-time for financial reasons	4	20%	1,629	18%

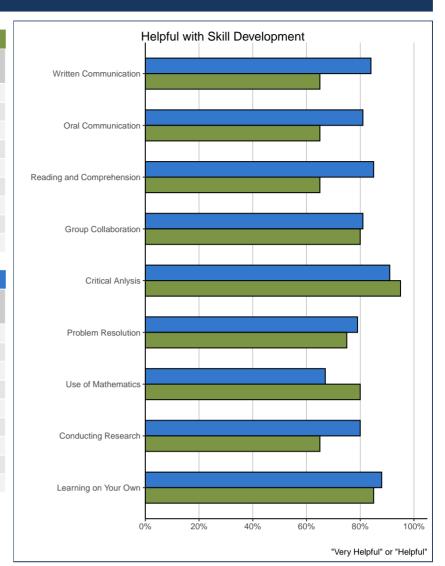




SKILL DEVELOPMENT

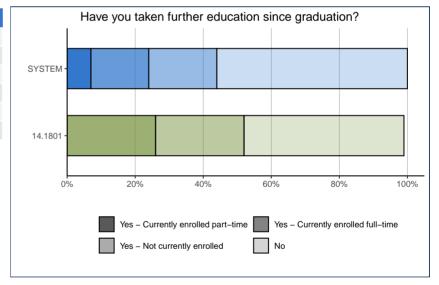
			14.1801		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	20%	45%	35%	0%	20
Oral Communication	20%	45%	35%	0%	20
Reading and Comprehension	20%	45%	35%	0%	20
Group Collaboration	40%	40%	20%	0%	20
Critical Anlysis	45%	50%	5%	0%	20
Problem Resolution	30%	45%	25%	0%	20
Use of Mathematics	35%	45%	20%	0%	20
Conducting Research	35%	30%	35%	0%	20
Learning on Your Own	40%	45%	15%	0%	20

	SYSTEM				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	57%	14%	3%	9,025
Oral Communication	24%	57%	17%	3%	9,114
Reading and Comprehension	28%	57%	13%	2%	9,119
Group Collaboration	28%	53%	17%	3%	9,187
Critical Anlysis	41%	50%	8%	2%	9,297
Problem Resolution	23%	56%	17%	3%	9,057
Use of Mathematics	20%	47%	25%	9%	7,165
Conducting Research	30%	50%	17%	4%	8,871
Learning on Your Own	38%	50%	10%	2%	9,189

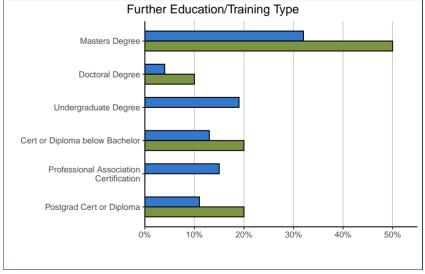


FURTHER EDUCATION

Took further education since 2020 graduation:	14.1801		SYSTEM	
Yes	10	53%	4,119	44%
Not currently enrolled	5	26%	1,831	20%
Currently enrolled full-time	5	26%	1,602	17%
Currently enrolled part-time	0	0%	637	7%
No	9	47%	5,244	56%
Total	19	100%	9,363	100%



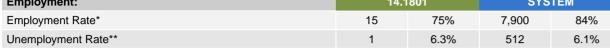
Type of Formal Post–Secondary Education:	14.	14.1801		TEM
Masters Degree	5	50%	1,307	32%
Doctoral Degree	1	10%	167	4%
Another Undergraduate Degree	0	0%	789	19%
Certificate or Diploma below Bachelor level	2	20%	527	13%
Professional Association Certification	0	0%	603	15%
Postgraduate Certificate or Diploma	2	20%	431	11%
Other	0	0%	236	6%
Total	10	100%	4,060	100%



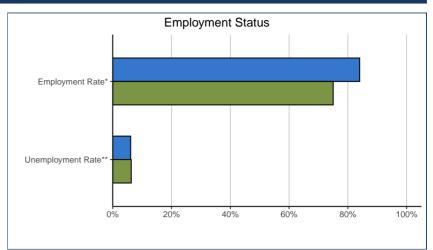


EMPLOYMENT

Labour Fource Status:	14.1801		SYSTEM		
In Labour Force (working or seeking work)	16	80%	8,412	91%	
Not in Labour Force	4	20%	857	9%	
Total	20	100%	9,269	100%	
Employment:	14.1801		14.1801 SYSTEM		TEM



^{*}Percent = Total employed divided by total number of respondents

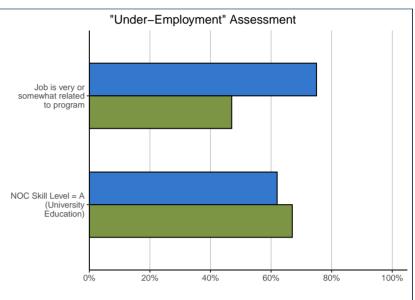


Status of Graduates NOT in Labour Force:	14.1801		SYSTEM	
Attending School FT	4	100%	597	70%
Attending School PT	0	0%	23	3%
Other	0	0%	237	28%
Total NOT in Labour Force	4	100%	857	100%

Primary Employment Type:	14.1801		SYS	TEM
Paid worker	15	100%	7,394	94%
Self-employed	0	0%	493	6%
Total	15	100%	7,887	100%

Job Characteristics:	14.1801		SYS	TEM
I hold more than one job*	1	7%	1,463	19%
My main job is full-time (>= 30 hours per week)**	13	93%	6,655	89%

^{*}Of total Employed



How related is your main job to your program?	14.1801		SYS	TEM
Very Related	3	20%	3,386	43%
Somewhat Related	4	27%	2,530	32%
Not Very Related	5	33%	1,013	13%
Not at All Related	3	20%	954	12%
Total	15	100%	7,883	100%

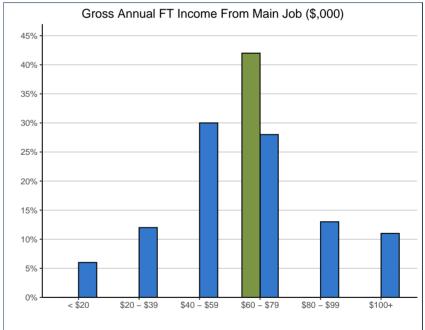
"Under-employment" Assessment:	14.1801		SYSTEM	
Job is very or somewhat related to program	7	47%	5,916	75%
NOC Skill Level = A (University Education)*	10	67%	4,631	62%

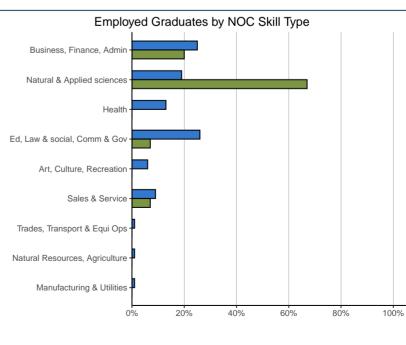
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14.	14.1801		SYSTEM	
~	~	328	6%	
~	~	725	12%	
0	0%	1,773	30%	
5	42%	1,673	28%	
~	~	799	13%	
~	~	659	11%	
12	100%	5,957	100%	
74,611		63,000		
82,185		70,455		
	~ 0 5 ~ 12 74,611	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~ ~ 328 ~ ~ 725 0 0% 1,773 5 42% 1,673 ~ ~ 799 ~ ~ 659 12 100% 5,957 74,611 63,000	

^{*}Where data provided

NOC Skill Type of Main Job:	14.	14.1801		SYSTEM	
Business, finance & administration	3	20%	1,844	25%	
Natural & applied sciences & related		67%	1,422	19%	
Health	0	0%	933	13%	
Education, law and social, community & government	1	7%	1,946	26%	
Art, culture, recreation & sport	0	0%	438	6%	
Sales & service	1	7%	658	9%	
Trades, transport & equipment operators & related	0	0%	104	1%	
Natural resources, agriculture & related production	0	0%	42	1%	
Manufacturing & utilities	0	0%	39	1%	
Total	15	100%	7,426	100%	





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

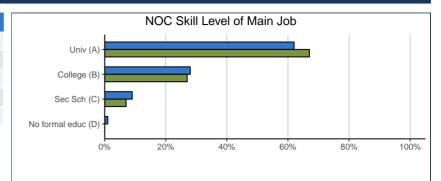
^{**}Of those who provided data on hours/week worked





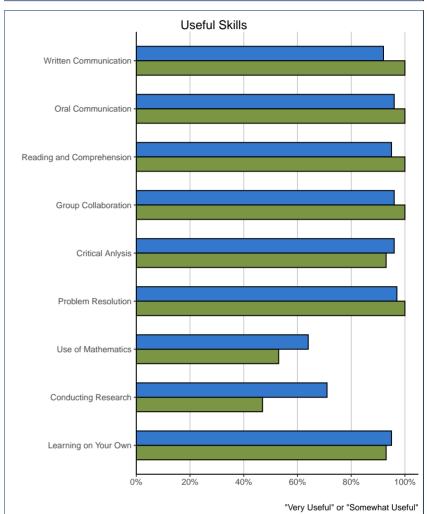
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1801		SYSTEM	
A. University education	10	67%	4,631	62%
B. College education/trade apprenticeship	4	27%	2,082	28%
C. Secondary school + job-specific training	1	7%	647	9%
D. No formal education	0	0%	86	1%
Total	15	100%	7,446	100%



	14.1801				
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%	33%	0%	0%	15
Oral Communication	93%	7%	0%	0%	15
Reading and Comprehension	87%	13%	0%	0%	15
Group Collaboration	73%	27%	0%	0%	15
Critical Anlysis	73%	20%	7%	0%	15
Problem Resolution	73%	27%	0%	0%	15
Use of Mathematics	20%	33%	47%	0%	15
Conducting Research	20%	27%	20%	33%	15
Learning on Your Own	60%	33%	7%	0%	15

		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	67%	25%	5%	3%	7,839
Oral Communication	75%	21%	3%	1%	7,837
Reading and Comprehension	70%	25%	4%	1%	7,836
Group Collaboration	76%	20%	3%	1%	7,841
Critical Anlysis	74%	22%	3%	1%	7,838
Problem Resolution	77%	20%	2%	1%	7,833
Use of Mathematics	28%	36%	21%	15%	7,634
Conducting Research	36%	35%	17%	12%	7,717
Learning on Your Own	68%	27%	3%	2%	7,819



Top 10 Full-time C	occupations of 14.1801 G	raduates:	14.1801
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
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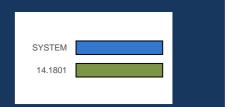
^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed

Top 10 Full-	Top 10 Full-time Occupations of SYSTEM Graduates:		
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	6%
1111	A	Financial auditors and accountants	4%
XXXX	0	Unclassified occupations	3%
2173	A	Software engineers and designers	3%
4032	A	Elementary school and kindergarten teachers	3%
1123	Α	Professional occupations in advertising, marketing and public relations	3%
4212	В	Social and community service workers	3%
2174	Α	Computer programmers and interactive media developers	2%
4031	A	Secondary school teachers	2%
1221	В	Administrative officers	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.1801		TEM
Personal savings, investments	2	2 10%		31%
Employment while studying		30%	4,716	51%
Family/Friends	14	70%	5,423	59%
Personal bank loans	1	5%	600	7%
Government student loans	7	35%	3,008	33%
Scholarships/Bursaries/Grants	8	40%	2,803	31%
Other	11	55%	1,997	22%
Total	20		9,180	

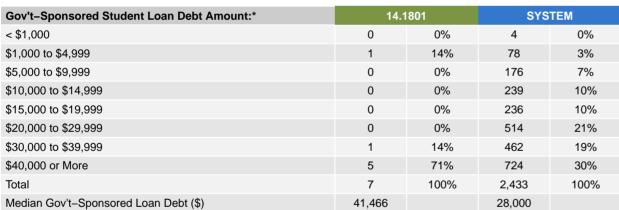
^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1	1801	SYS	TEM
Incurred any form of financial debt	8	40%	4,031	44%
Incurred government-sponsored student loan debt	7	35%	3,331	36%

^{*} Percentage of respondents who provided data



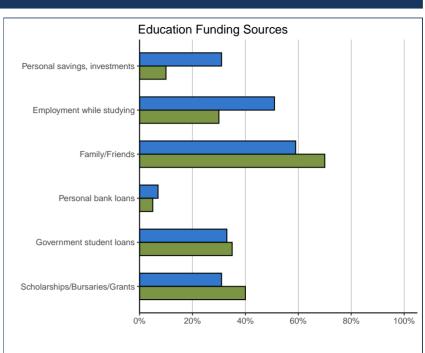
^{*} Includes only cases where financial debt was incurred

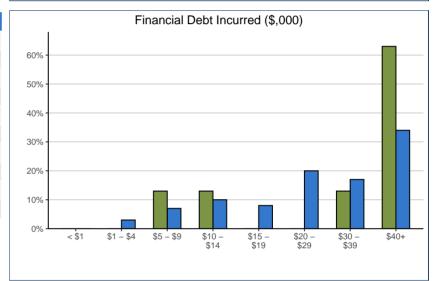


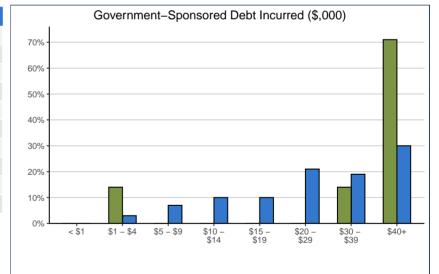
^{*} Includes only cases where government–sponsored debt was incurred

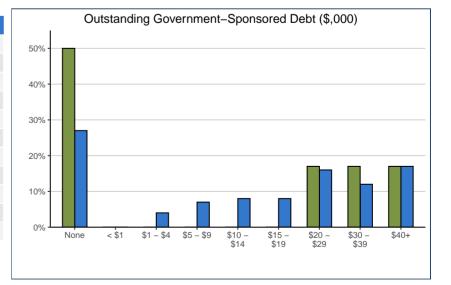


^{*} Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









^{**} Median amounts shown are based on those who had remaining government student loan debt