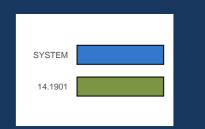


B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

Detailed Summary of Survey Results
All Institutions
14.1901: Mechanical engineering



RESPONSE RATE

Survey Response Rate:	14.1901		SYSTEM	
Baccalaureate Graduates Survey Cohort	324	100%	24,752	100%
Survey Respondents and Response Rate	123	38%	9,423	38%

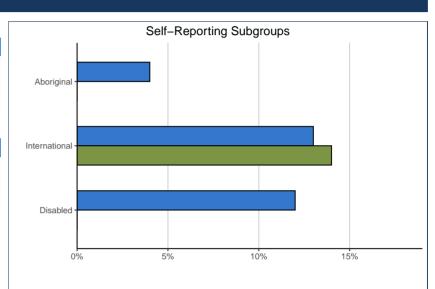


DEMOGRAPHIC INFORMATION

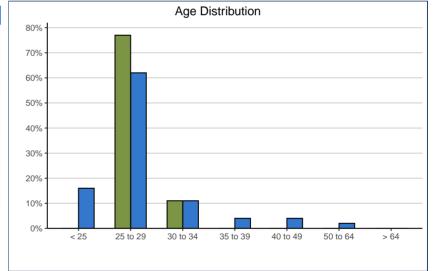
Self-Reporting Subgroups:	14.1901		SYSTEM	
Disabled	~ ~		1,082	12%
International	17	14%	1,205	13%
Aboriginal	~	~	357	4%

Gender:*	14.1901		SYSTEM	
Male	96	78%	3,744	40%
Female	27	22%	5,675	60%
Total	123	100%	9,419	100%

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

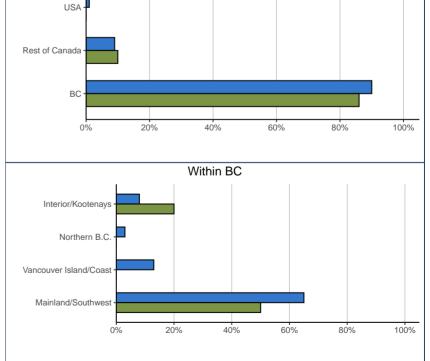


Age (at time of survey):	14.1901		SYSTEM	
< 25	~	~	1,496	16%
25 to 29	95	77%	5,860	62%
30 to 34	14	11%	1,035	11%
35 to 39	~	~	421	4%
40 to 49	0	0%	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	123	100%	9,417	100%
Median Age	26		26	
Average (mean) Age	27		28	



Place of Residence

Place of Residence (at time of survey):	14.1901		SYSTEM	
BC – Mainland/Southwest	55	50%	5,472	65%
BC - Vancouver Island/Coast	~	~	1,112	13%
BC – Northern B.C.	~	~	270	3%
BC – Interior/Kootenays	22	20%	672	8%
BC Subtotal	95	86%	7,526	90%
Canada – Alberta	11	10%	343	4%
Canada – Ontario	~	~	280	3%
Canada – Other	~	~	176	2%
U.S.A.	~	~	80	1%
Non-BC Subtotal	16	14%	879	10%
Total	111	100%	8,405	100%





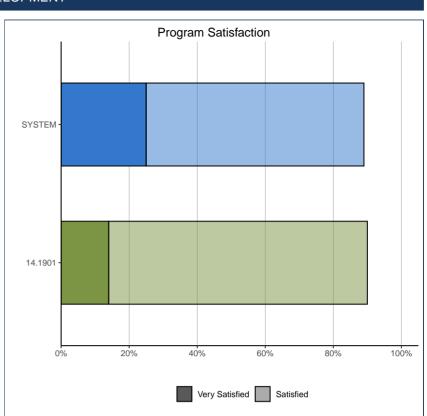


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1901		SYSTEM	
Very Satisfied	17	14%	2,332	25%
Satisfied	93	76%	5,914	64%
Dissatisfied	10	8%	831	9%
Very Dissatisfied	3	2%	188	2%
Total	123	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1901		SYSTEM	
Very Useful	34	33%	3,011	38%
Somewhat Useful	51	49%	3,664	47%
Not Very Useful	13	13%	886	11%
Not at All Useful	6	6%	283	4%
Total	104	100%	7,844	100%
	-	- , -		.,,

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1901		SYSTEM		
Yes	10	9%	902	10%	
No	105	91%	8,298	90%	



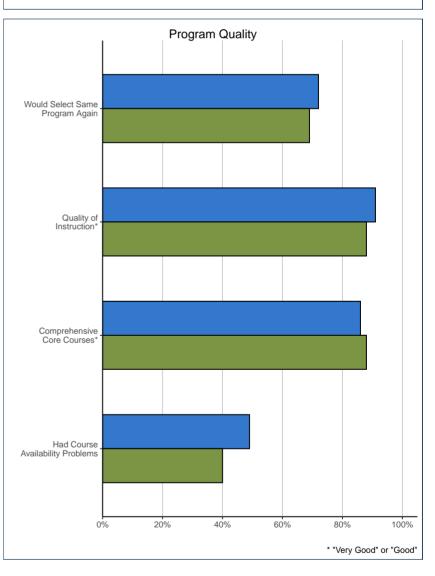
Would select the same program again:	14.1901		SYSTEM	
Yes	74	69%	5,963	72%
No	33	31%	2,334	28%

Quality of Instruction:	14.	14.1901		SYSTEM	
Very Good	10	8%	2,498	27%	
Good	97	80%	6,007	64%	
Poor	13	11%	685	7%	
Very Poor	2	2%	131	1%	
Total	122	100%	9,321	100%	

Comprehensiveness of Core Courses:	14.	14.1901		SYSTEM	
Very Good	14	11%	2,303	25%	
Good	94	77%	5,649	61%	
Poor	14	11%	1,073	12%	
Very Poor	0	0%	172	2%	
Total	122	100%	9.197	100%	

Course Availability:	14.1901		SYSTEM	
Encountered course availability problems	49	40%	4,485	49%

Financial Constraints:	14.1901		SYSTEM	
Had to interrupt studies for financial reasons	9	7%	987	11%
Had to take program part-time for financial reasons	8	7%	1,629	18%

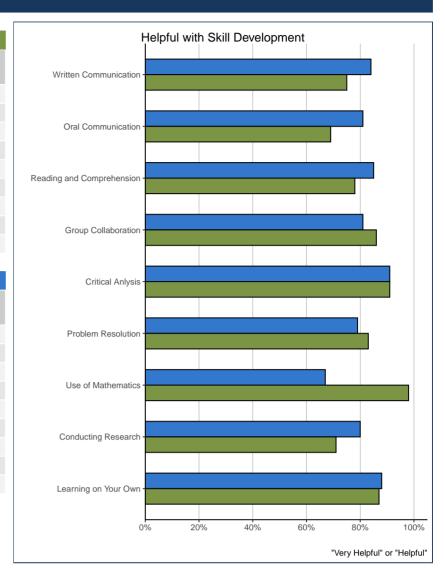




SKILL DEVELOPMENT

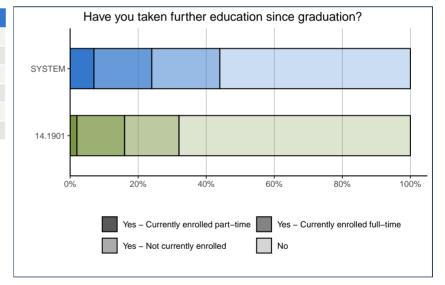
			14.1901		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	15%	60%	20%	5%	116
Oral Communication	13%	56%	27%	4%	119
Reading and Comprehension	18%	60%	18%	4%	119
Group Collaboration	25%	61%	13%	1%	123
Critical Anlysis	39%	52%	8%	1%	122
Problem Resolution	25%	58%	14%	3%	122
Use of Mathematics	52%	46%	2%	0%	123
Conducting Research	21%	50%	29%	0%	121
Learning on Your Own	38%	49%	10%	3%	123

			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

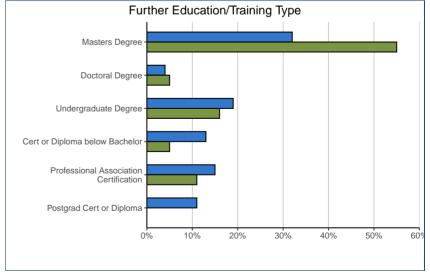


FURTHER EDUCATION

Took further education since 2020 graduation:	14.1901		SYSTEM	
Yes	39	32%	4,119	44%
Not currently enrolled	19	16%	1,831	20%
Currently enrolled full-time	17	14%	1,602	17%
Currently enrolled part-time	3	2%	637	7%
No	83	68%	5,244	56%
Total	122	100%	9,363	100%



Type of Formal Post–Secondary Education:	14.	14.1901		TEM
Masters Degree	21	21 55%		32%
Doctoral Degree	2	5%	167	4%
Another Undergraduate Degree	6	16%	789	19%
Certificate or Diploma below Bachelor level	2	5%	527	13%
Professional Association Certification	4	11%	603	15%
Postgraduate Certificate or Diploma	0	0%	431	11%
Other	3	8%	236	6%
Total	38	100%	4,060	100%



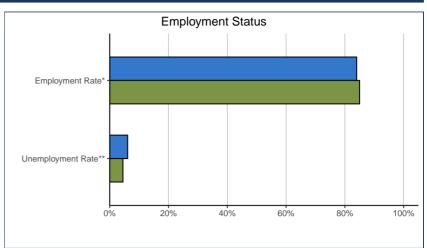


EMPLOYMENT

Labour Fource Status:	14.1901		SYSTEM	
In Labour Force (working or seeking work)	110	90%	8,412	91%
Not in Labour Force	12	10%	857	9%
Total	122	100%	9,269	100%

Employment:	14.	14.1901		TEM
Employment Rate*	105	85%	7,900	84%
Unemployment Rate**	5	4.5%	512	6.1%

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

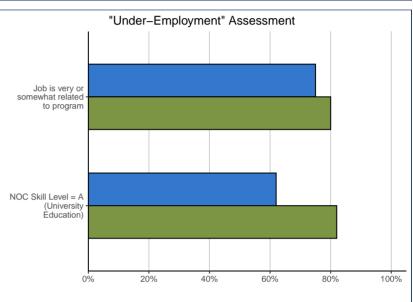


Status of Graduates NOT in Labour Force:	14.1901		SYSTEM	
Attending School FT	11	92%	597	70%
Attending School PT	0	0%	23	3%
Other	1	8%	237	28%
Total NOT in Labour Force	12	100%	857	100%

Primary Employment Type:	14.1901		SYSTEM	
Paid worker	103	98%	7,394	94%
Self-employed	2	2%	493	6%
Total	105	100%	7,887	100%

Job Characteristics:	14.1901		SYS	TEM
I hold more than one job*	12	11%	1,463	19%
My main job is full-time (>= 30 hours per week)**	99	96%	6,655	89%

^{*}Of total Employed



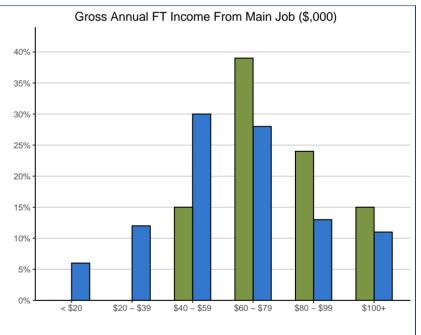
How related is your main job to your program?	14.1901		SYSTEM	
Very Related	35	33%	3,386	43%
Somewhat Related	49	47%	2,530	32%
Not Very Related	14	13%	1,013	13%
Not at All Related	7	7%	954	12%
Total	105	100%	7,883	100%

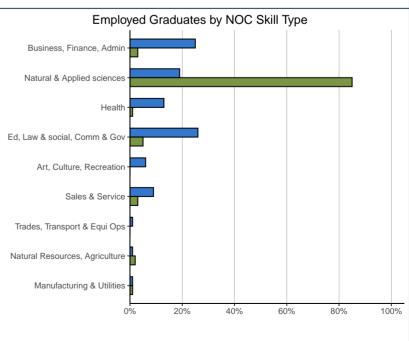
"Under-employment" Assessment:	14.1901		SYSTEM	
Job is very or somewhat related to program	84	80%	5,916	75%
NOC Skill Level = A (University Education)*	82	82%	4,631	62%

^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.	14.1901		SYSTEM	
Less than \$20,000	~	~	328	6%	
\$20,000 to \$39,999	~	~	725	12%	
\$40,000 to \$59,999	13	15%	1,773	30%	
\$60,000 to \$79,999	34	39%	1,673	28%	
\$80,000 to \$99,999	21	24%	799	13%	
\$100,000 and Above	13	15%	659	11%	
Total	87	100%	5,957	100%	
Median Annual Income (full-time) (\$)	73,750		63,000		
Average Annual Income (full-time) (\$)	83,153		70,455		
*Where data provided					

NOO OLINT		1001	0)/(0	
NOC Skill Type of Main Job:	14.	14.1901		TEM
Business, finance & administration	3	3%	1,844	25%
Natural & applied sciences & related	85	85%	1,422	19%
Health	1	1%	933	13%
Education, law and social, community & government	5	5%	1,946	26%
Art, culture, recreation & sport	0	0%	438	6%
Sales & service	3	3%	658	9%
Trades, transport & equipment operators & related	0	0%	104	1%
Natural resources, agriculture & related production	2	2%	42	1%
Manufacturing & utilities	1	1%	39	1%
Total	100	100%	7,426	100%

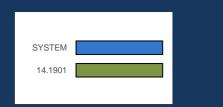




^{**}Percent = Total unemployed divided by total number in Labour Force

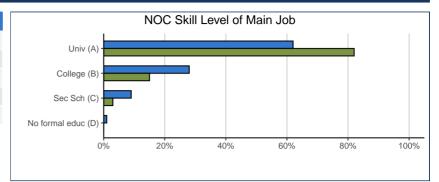
^{**}Of those who provided data on hours/week worked





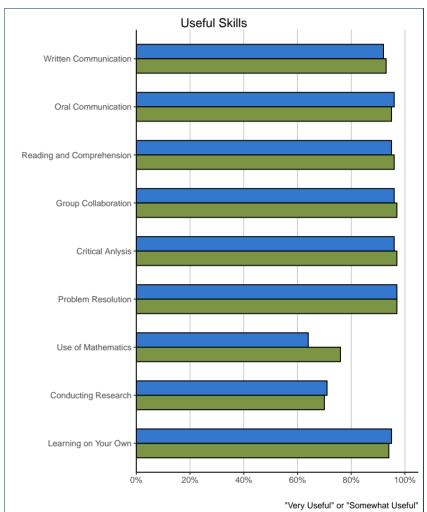
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1	901	SYSTEM	
A. University education	82 82%		4,631	62%
B. College education/trade apprenticeship	15	15%	2,082	28%
C. Secondary school + job-specific training	3	3%	647	9%
D. No formal education	0	0%	86	1%
Total	100	100%	7,446	100%



			14.1901		
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	68%	25%	6%	2%	105
Oral Communication	77%	18%	2%	3%	105
Reading and Comprehension	73%	23%	3%	1%	105
Group Collaboration	80%	17%	0%	3%	105
Critical Anlysis	81%	16%	0%	3%	105
Problem Resolution	80%	17%	2%	1%	105
Use of Mathematics	30%	46%	19%	6%	105
Conducting Research	35%	35%	19%	10%	105
Learning on Your Own	67%	27%	4%	3%	105

	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 Occupations of 14.1901 Graduates:		14.1901	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2132	A	Mechanical engineers	55%
2141	Α	Industrial and manufacturing engineers	5%
XXXX	0	Unclassified occupations	5%
*			
*			
*			
*			
*			
*			
*			

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed

Top 10 Full-tir	Top 10 Full-time Occupations of SYSTEM Graduates:		SYSTEM
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	6%
1111	Α	Financial auditors and accountants	4%
XXXX	0	Unclassified occupations	3%
2173	Α	Software engineers and designers	3%
4032	Α	Elementary school and kindergarten teachers	3%
1123	A	Professional occupations in advertising, marketing and public relations	3%
4212	В	Social and community service workers	3%
2174	A	Computer programmers and interactive media developers	2%
4031	Α	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.	14.1901		TEM
Personal savings, investments	43	43 36%		31%
Employment while studying		36%	4,716	51%
Family/Friends	75	62%	5,423	59%
Personal bank loans	6	5%	600	7%
Government student loans	52	43%	3,008	33%
Scholarships/Bursaries/Grants	45	37%	2,803	31%
Other	50	41%	1,997	22%
Total	121		9,180	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1901		SYSTEM	
Incurred any form of financial debt	62 51%		4,031	44%
Incurred government-sponsored student loan debt	58 48%		3,331	36%

^{*} Percentage of respondents who provided data



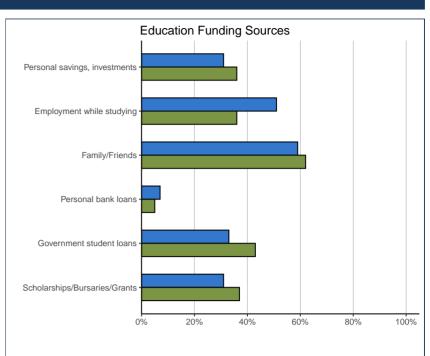
^{*} Includes only cases where financial debt was incurred

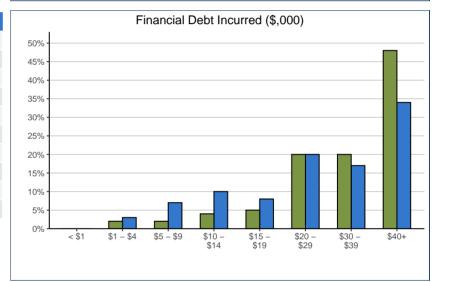


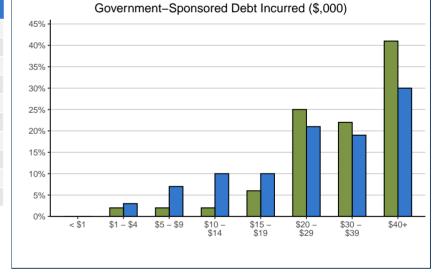
^{*} Includes only cases where government-sponsored debt was incurred

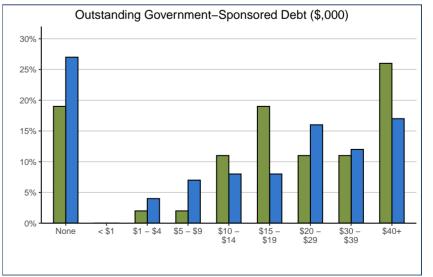


^{*} Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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