

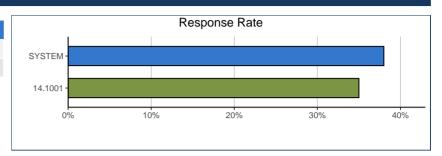
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

14.1001

Detailed Summary of Survey Results
All Institutions
14.1001: Electrical and electronics engineering

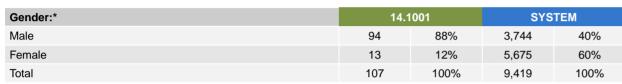
RESPONSE RATE

Survey Response Rate:	14.1001		SYSTEM	
Baccalaureate Graduates Survey Cohort	302	100%	24,752	100%
Survey Respondents and Response Rate	107	35%	9,423	38%

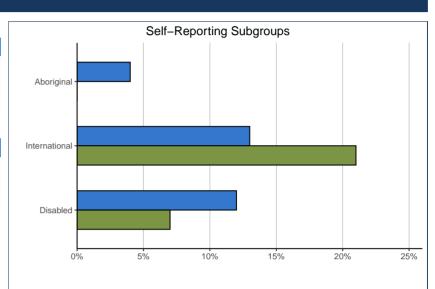


DEMOGRAPHIC INFORMATION

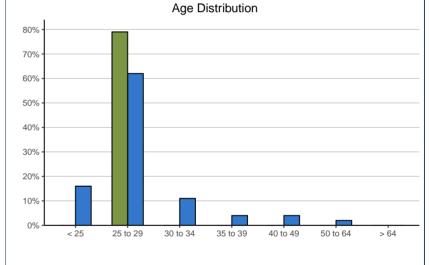
Self-Reporting Subgroups:	14.1001		SYSTEM	
Disabled	7	7%	1,082	12%
International	23	21%	1,205	13%
Aboriginal	~	~	357	4%



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



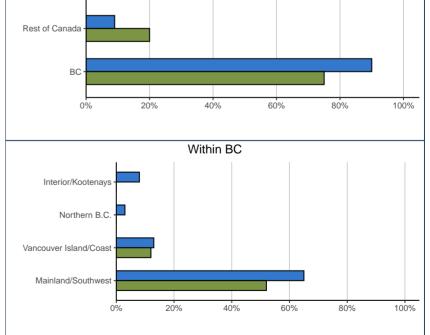
Age (at time of survey):	14.1001		SYSTEM	
< 25	~	~	1,496	16%
25 to 29	84	79%	5,860	62%
30 to 34	~	~	1,035	11%
35 to 39	~	~	421	4%
40 to 49	~	~	397	4%
50 to 64	0	0%	186	2%
> 64	0	0%	22	0%
Total	107	100%	9,417	100%
Median Age	26		26	
Average (mean) Age	27		28	



Place of Residence

USA

Place of Residence (at time of survey):	14.1001		SYSTEM	
BC – Mainland/Southwest	48	52%	5,472	65%
BC - Vancouver Island/Coast	11	12%	1,112	13%
BC – Northern B.C.	~	~	270	3%
BC – Interior/Kootenays	~	~	672	8%
BC Subtotal	69	75%	7,526	90%
Canada – Alberta	11	12%	343	4%
Canada – Ontario	7	8%	280	3%
Canada – Other	~	~	176	2%
U.S.A.	~	~	80	1%
Non-BC Subtotal	23	25%	879	10%
Total	92	100%	8,405	100%





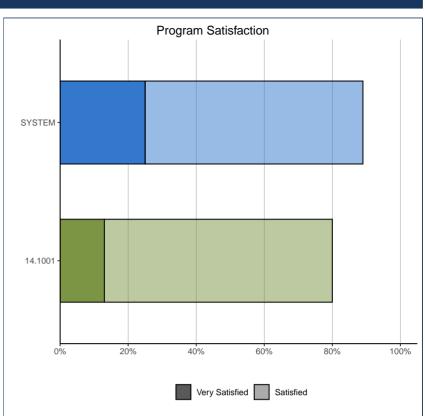


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1001		SYSTEM	
Very Satisfied	14	13%	2,332	25%
Satisfied	71	67%	5,914	64%
Dissatisfied	17	16%	831	9%
Very Dissatisfied	4	4%	188	2%
Total	106	100%	9,265	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.	14.1001		SYSTEM	
Very Useful	20	22%	3,011	38%	
Somewhat Useful	52	58%	3,664	47%	
Not Very Useful	13	15%	886	11%	
Not at All Useful	4	4%	283	4%	
Total	89	100%	7,844	100%	

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	1001	SYS	TEM
Yes	14	13%	902	10%
No	93	87%	8,298	90%



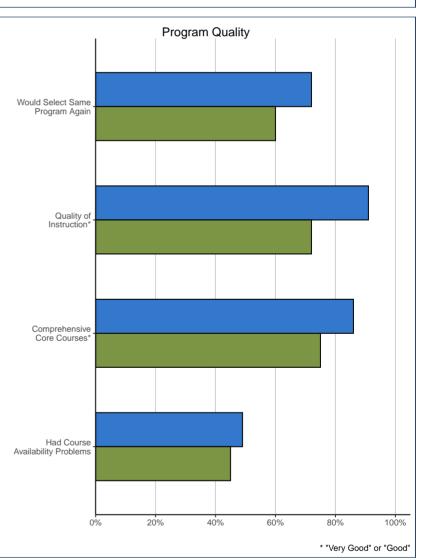
Would select the same program again:	14.1001		SYSTEM	
Yes	57	60%	5,963	72%
No	38	40%	2,334	28%

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Quality of Instruction:	14.	1001	SYS	TEM	
Very Good	11	10%	2,498	27%	
Good	66	62%	6,007	64%	
Poor	27	25%	685	7%	
Very Poor	3	3%	131	1%	
Total	107	100%	9.321	100%	

Comprehensiveness of Core Courses:	14.1	1001	SYS	TEM
Very Good	11	10%	2,303	25%
Good	69	65%	5,649	61%
Poor	24	23%	1,073	12%
Very Poor	2	2%	172	2%
Total	106	100%	9,197	100%

Course Availability:	14.1	001	SYS	TEM
Encountered course availability problems	48	45%	4,485	49%

Financial Constraints:	14.1001		SYSTEM	
Had to interrupt studies for financial reasons	7	7%	987	11%
Had to take program part-time for financial reasons	7	7%	1,629	18%



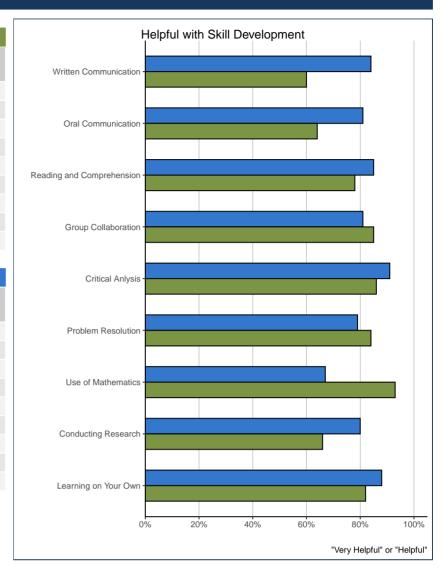




SKILL DEVELOPMENT

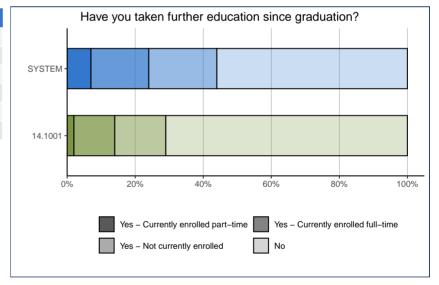
			14.1001		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	14%	46%	34%	6%	102
Oral Communication	14%	50%	30%	6%	100
Reading and Comprehension	19%	59%	17%	4%	103
Group Collaboration	34%	51%	13%	2%	104
Critical Anlysis	42%	44%	11%	3%	105
Problem Resolution	30%	54%	13%	2%	105
Use of Mathematics	38%	55%	7%	1%	106
Conducting Research	18%	48%	28%	7%	101
Learning on Your Own	51%	31%	14%	4%	104

			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

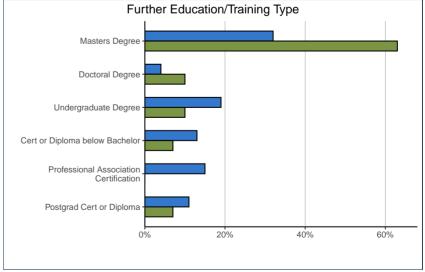


FURTHER EDUCATION

Took further education since 2020 graduation:	14.1	1001	SYS	YSTEM	
Yes	31	29%	4,119	44%	
Not currently enrolled	16	15%	1,831	20%	
Currently enrolled full-time	13	12%	1,602	17%	
Currently enrolled part-time	2	2%	637	7%	
No	75	71%	5,244	56%	
Total	106	100%	9,363	100%	



Type of Formal Post–Secondary Education:	14.	14.1001		TEM
Masters Degree	19	63%	1,307	32%
Doctoral Degree	3	10%	167	4%
Another Undergraduate Degree	3	10%	789	19%
Certificate or Diploma below Bachelor level	2	7%	527	13%
Professional Association Certification	0	0%	603	15%
Postgraduate Certificate or Diploma	2	7%	431	11%
Other	1	3%	236	6%
Total	30	100%	4,060	100%

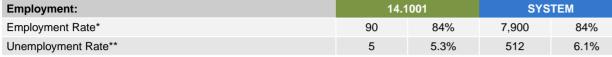




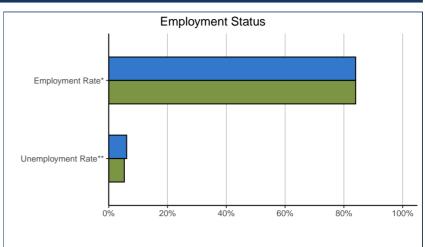


EMPLOYMENT

Labour Fource Status:	14.1001		SYSTEM	
In Labour Force (working or seeking work)	95	89%	8,412	91%
Not in Labour Force	12	11%	857	9%
Total	107	100%	9,269	100%
Employment:	14.1001		SYSTEM	



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

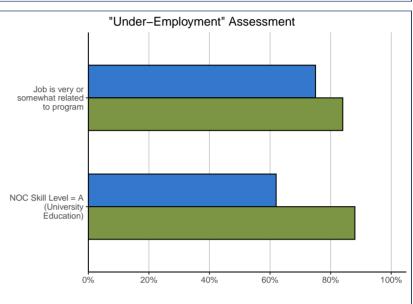


Status of Graduates NOT in Labour Force:	14.1	1001	SYS	TEM
Attending School FT	8	67%	597	70%
Attending School PT	0	0%	23	3%
Other	4	33%	237	28%
Total NOT in Labour Force	12	100%	857	100%

Primary Employment Type:	14.1001		SYSTEM	
Paid worker	86	96%	7,394	94%
Self-employed	4	4%	493	6%
Total	90	100%	7,887	100%

Job Characteristics:	14.1001		SYS	TEM
I hold more than one job*	7	8%	1,463	19%
My main job is full-time (>= 30 hours per week)**	83	94%	6,655	89%

^{*}Of total Employed



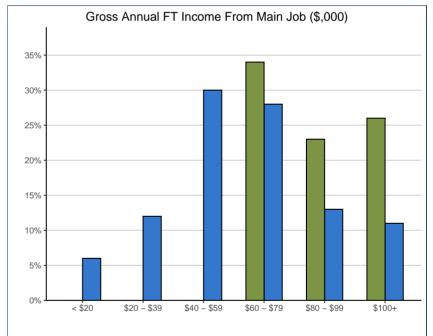
How related is your main job to your program?	14.1	1001	SYS	TEM
Very Related	31	34%	3,386	43%
Somewhat Related	45	50%	2,530	32%
Not Very Related	11	12%	1,013	13%
Not at All Related	3	3%	954	12%
Total	90	100%	7,883	100%

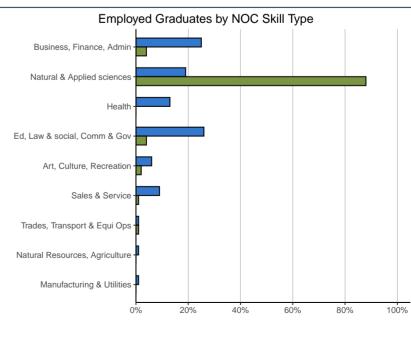
"Under-employment" Assessment:	14.1	001	SYS	TEM
Job is very or somewhat related to program	76	84%	5,916	75%
NOC Skill Level = A (University Education)*	72	88%	4,631	62%

^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.1001		SYSTEM	
Less than \$20,000	~	~	328	6%
\$20,000 to \$39,999	~	~	725	12%
\$40,000 to \$59,999	~	~	1,773	30%
\$60,000 to \$79,999	21	34%	1,673	28%
\$80,000 to \$99,999	14	23%	799	13%
\$100,000 and Above	16	26%	659	11%
Total	61	100%	5,957	100%
Median Annual Income (full-time) (\$)	80,000		63,000	
Average Annual Income (full-time) (\$)	90,123		70,455	
*Where data provided				

NOC Skill Type of Main Job:	14	14.1001		SYSTEM	
Business, finance & administration	3	4%	1,844	25%	
Natural & applied sciences & related	71	88%	1,422	19%	
Health	0	0%	933	13%	
Education, law and social, community & government	3	4%	1,946	26%	
Art, culture, recreation & sport	2	2%	438	6%	
Sales & service	1	1%	658	9%	
Trades, transport & equipment operators & related	1	1%	104	1%	
Natural resources, agriculture & related production	0	0%	42	1%	
Manufacturing & utilities	0	0%	39	1%	
Total	81	100%	7,426	100%	





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

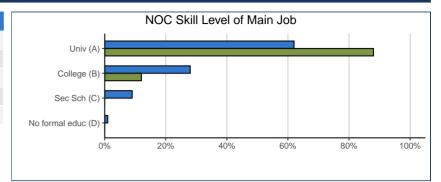
^{**}Of those who provided data on hours/week worked





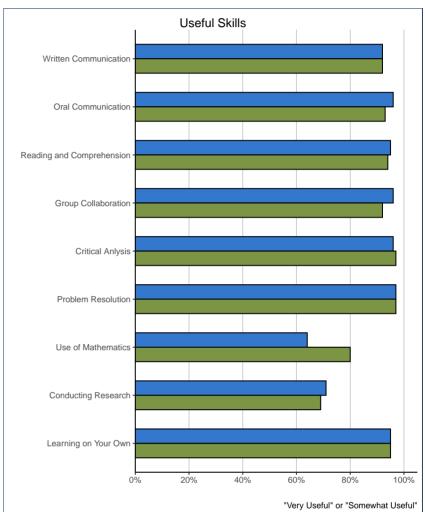
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1001		SYSTEM	
A. University education		88%	4,631	62%
B. College education/trade apprenticeship	10	12%	2,082	28%
C. Secondary school + job-specific training	0	0%	647	9%
D. No formal education	0	0%	86	1%
Total	82	100%	7,446	100%



	14.1001				
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	66%	26%	7%	2%	90
Oral Communication	79%	14%	2%	4%	90
Reading and Comprehension	74%	20%	3%	2%	90
Group Collaboration	78%	14%	6%	2%	90
Critical Anlysis	77%	20%	1%	2%	90
Problem Resolution	88%	9%	1%	2%	90
Use of Mathematics	28%	52%	16%	4%	90
Conducting Research	40%	29%	27%	4%	90
Learning on Your Own	71%	24%	2%	2%	90

	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 14.1001 Graduates:		14.1001	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2133	A	Electrical and electronics engineers	33%
2173	А	Software engineers and designers	19%
XXXX	0	Unclassified occupations	8%
2174	Α	Computer programmers and interactive media developers	6%
2241	В	Electrical and electronics engineering technologists and technicians	6%
*			
*			
*			
*			
*			

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed

Top 10 Full-time Occupations of SYSTEM Graduates:			SYSTEM
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	Α	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	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	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):*	14.1001		SYSTEM	
Personal savings, investments		25%	2,849	31%
Employment while studying		33%	4,716	51%
Family/Friends	70	66%	5,423	59%
Personal bank loans	3	3%	600	7%
Government student loans	42	40%	3,008	33%
Scholarships/Bursaries/Grants	34	32%	2,803	31%
Other	54	51%	1,997	22%
Total	106		9,180	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1001		SYSTEM	
Incurred any form of financial debt	50	48%	4,031	44%
Incurred government-sponsored student loan debt	45	42%	3,331	36%

^{*} Percentage of respondents who provided data



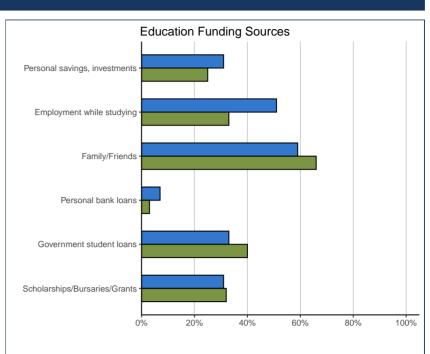
^{*} Includes only cases where financial debt was incurred

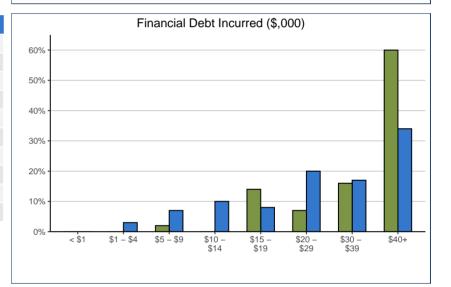


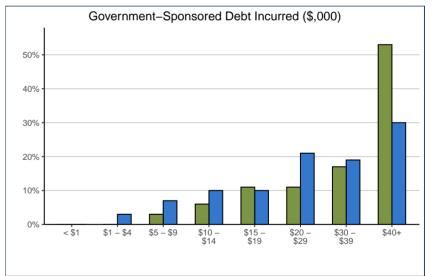
^{*} Includes only cases where government-sponsored debt was incurred

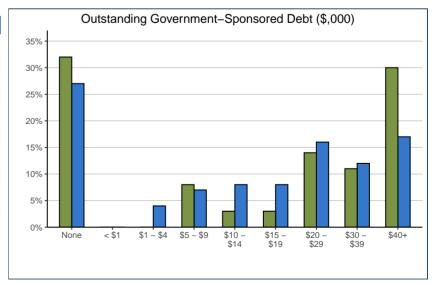


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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