

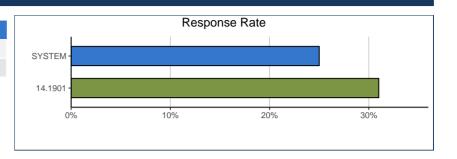
B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

14.1901

Detailed Summary of Survey Results
All Institutions
14.1901: Mechanical engineering

RESPONSE RATE

Survey Response Rate:	14.1901		SYSTEM	
Baccalaureate Graduates Survey Cohort	318	100%	24,572	100%
Survey Respondents and Response Rate	99	31%	6,200	25%

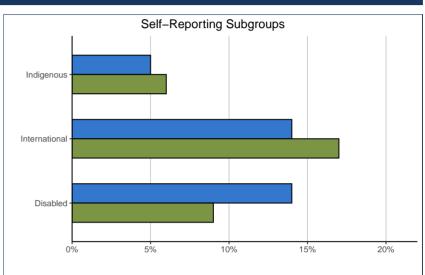


DEMOGRAPHIC INFORMATION

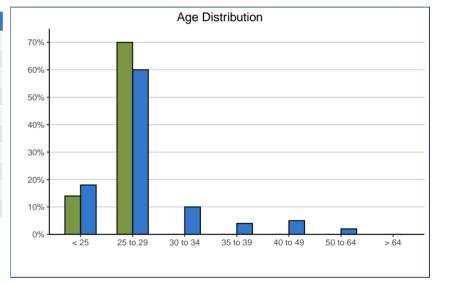
Self-Reporting Subgroups:	14.1901		SYS	TEM
Disabled	9	9%	851	14%
International	17	17%	878	14%
Indigenous	5	6%	264	5%

Gender:*	14.1901		SYSTEM	
Man/Boy	85	86%	2,656	43%
Woman/Girl	14	14%	3,527	57%
Total	99	100%	6,183	100%

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

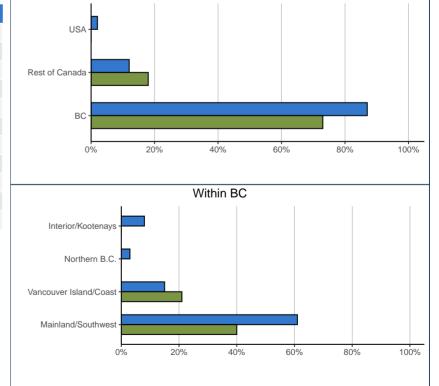


Age (at time of survey):	14.1901		SYSTEM	
< 25	14	14%	1,133	18%
25 to 29	69	70%	3,740	60%
30 to 34	~	~	617	10%
35 to 39	~	~	271	4%
40 to 49	0	0%	279	5%
50 to 64	0	0%	129	2%
> 64	0	0%	17	0%
Total	99	100%	6,186	100%
Median Age	26		26	
Average (mean) Age	27		28	



Place of Residence

Place of Residence (at time of survey):	14.1901		SYSTEM	
BC - Mainland/Southwest	34	40%	3,405	61%
BC - Vancouver Island/Coast	18	21%	809	15%
BC – Northern B.C.	~	~	160	3%
BC – Interior/Kootenays	~	~	459	8%
BC Subtotal	61	73%	4,833	87%
Canada – Alberta	15	18%	266	5%
Canada - Ontario	~	~	212	4%
Canada - Other	~	~	139	3%
U.S.A.	~	~	100	2%
Non-BC Subtotal	23	27%	717	13%
Total	84	100%	5,550	100%





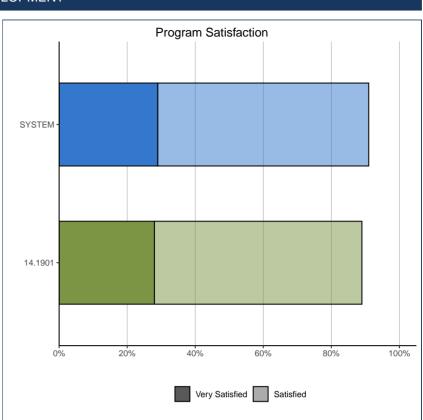


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1901		SYS	TEM
Very Satisfied	27	28%	1,771	29%
Satisfied	60	61%	3,775	62%
Dissatisfied	7	7%	469	8%
Very Dissatisfied	4	4%	110	2%
Total	98	100%	6,125	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1901		SYSTEM	
Very Useful	27	35%	1,989	40%
Somewhat Useful	38	49%	2,266	46%
Not Very Useful	10	13%	531	11%
Not at All Useful	2	3%	158	3%
Total	77	100%	4,944	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.1901		SYSTEM		
Yes	11	12%	515	9%		
No	81	88%	5,527	91%		



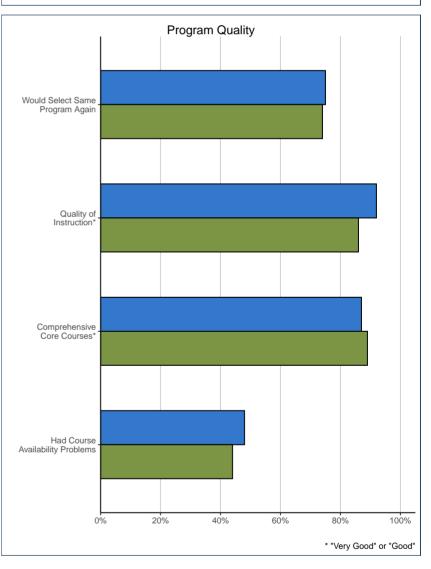
Would select the same program again:	14.1901		SYSTEM	
Yes	61	74%	4,137	75%
No	21	26%	1,363	25%

Quality of Instruction:	14.	14.1901		SYSTEM	
Very Good	21	21%	1,727	28%	
Good	64	65%	3,934	64%	
Poor	11	11%	402	7%	
Very Poor	2	2%	77	1%	
Total	98	100%	6,140	100%	

Comprehensiveness of Core Courses:	14.	1901	SYSTEM	
Very Good	28	29%	1,667	27%
Good	59	60%	3,645	60%
Poor	10	10%	649	11%
Very Poor	1	1%	115	2%
Total	98	100%	6.076	100%

Course Availability:	14.1901		SYSTEM	
Encountered course availability problems	42 44%		2,918	48%

Financial Constraints:	14.1901		SYS	TEM
Had to interrupt studies for financial reasons	4	4%	565	9%
Had to take program part-time for financial reasons	8	8%	955	16%

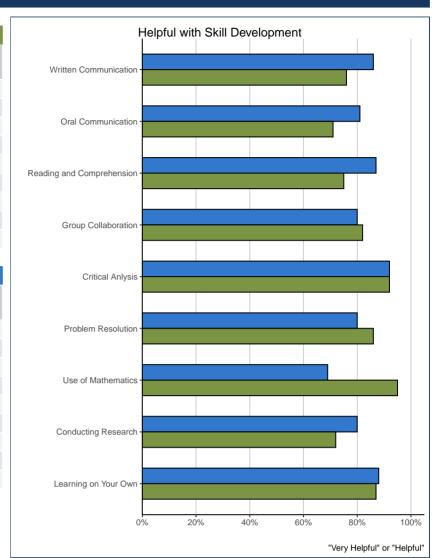




SKILL DEVELOPMENT

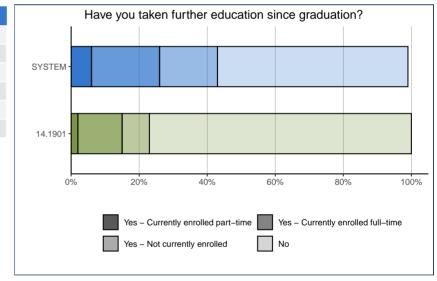
			14.1901		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	18%	58%	21%	4%	97
Oral Communication	18%	53%	22%	7%	95
Reading and Comprehension	21%	54%	21%	4%	96
Group Collaboration	34%	48%	13%	5%	98
Critical Anlysis	43%	49%	6%	1%	99
Problem Resolution	32%	54%	12%	2%	99
Use of Mathematics	53%	42%	3%	2%	99
Conducting Research	26%	46%	23%	5%	98
Learning on Your Own	48%	39%	11%	2%	98

			SYSTEM		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	29%	57%	13%	2%	6,011
Oral Communication	25%	56%	16%	2%	6,039
Reading and Comprehension	32%	55%	12%	1%	6,026
Group Collaboration	30%	50%	17%	4%	6,055
Critical Anlysis	43%	49%	7%	2%	6,142
Problem Resolution	25%	55%	18%	3%	5,966
Use of Mathematics	22%	47%	24%	7%	4,674
Conducting Research	32%	48%	17%	3%	5,806
Learning on Your Own	39%	49%	9%	2%	6,059

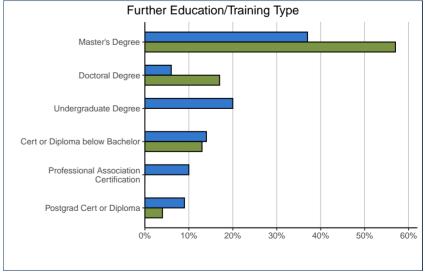


FURTHER EDUCATION

Took further education since 2022 graduation:	14.1901		SYS	TEM
Yes	23	23%	2,708	44%
Not currently enrolled	8	8%	1,069	17%
Currently enrolled full-time	13	13%	1,219	20%
Currently enrolled part-time	2	2%	389	6%
No	75	77%	3,459	56%
Total	98	100%	6,167	100%



Type of Formal Post–Secondary Education:	14.	14.1901		TEM
Master's Degree	13	57%	979	37%
Doctoral Degree	4	17%	155	6%
Another Undergraduate Degree	0	0%	543	20%
Certificate or Diploma below Bachelor Level	3	13%	374	14%
Professional Association Certification	0	0%	274	10%
Postgraduate Certificate or Diploma	1	4%	238	9%
Other	2	9%	119	4%
Total	23	100%	2,682	100%



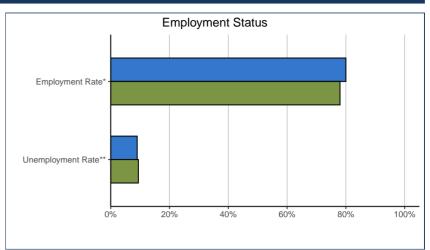


EMPLOYMENT

Labour Fource Status:	14.1901		SYS	TEM	
In Labour Force (working or seeking work)	85	89%	5,472	90%	
Not in Labour Force	11	11%	613	10%	
Total	96	100%	6,085	100%	
Employment:	14.1901		14.1901 SYSTEM		TEM



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

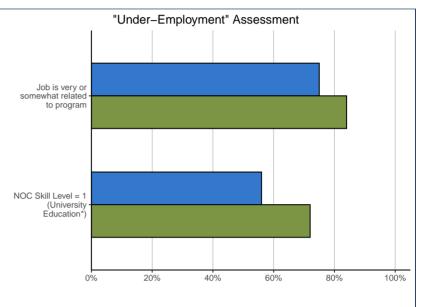


Status of Graduates NOT in Labour Force:	14.1901		SYST	
Attending School FT	6	55%	446	73%
Attending School PT	0	0%	19	3%
Other	5	45%	148	24%
Total NOT in Labour Force	11	100%	613	100%

Primary Employment Type:	14.1901		SYS	TEM
Paid Worker	74	97%	4,678	94%
Self-Employed	2	3%	296	6%
Total	76	100%	4,974	100%

Job Characteristics:	14.1901		SYS	TEM
I hold more than one job*	5	6%	941	19%
My main job is full-time (>= 30 hours per week)**	74	97%	4,109	87%

^{*}Of total employed



How related is your main job to your program?	14.1901		SYS	TEM
Very Related	30	39%	2,190	44%
Somewhat Related	35	45%	1,532	31%
Not Very Related	6	8%	579	12%
Not at All Related	6	8%	668	13%
Total	77	100%	4,969	100%

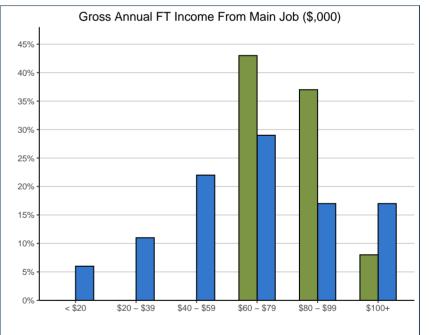
14.1901		SYS.	TEM
65	84%	3,722	75%
53	72%	2,648	56%
	65	65 84%	65 84% 3,722

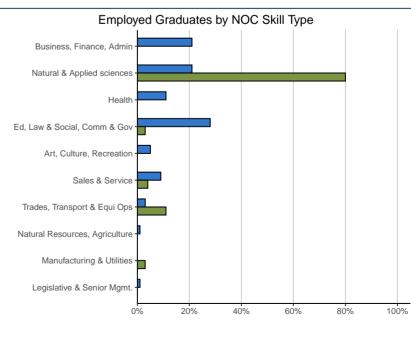
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*Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	14.′	14.1901		SYSTEM	
Less than \$20,000	~	~ ~		6%	
\$20,000 to \$39,999	~	~	406	11%	
\$40,000 to \$59,999	~	~	818	22%	
\$60,000 to \$79,999	26	43%	1,081	29%	
\$80,000 to \$99,999	22	37%	627	17%	
\$100,000 and Above	5	8%	623	17%	
Total	60	100%	3,763	100%	
Median Annual Income (full-time) (\$)	78,911		71,127		
Average Annual Income (full-time) (\$)	82,503		78,771		
*Where data provided					

*Where data	a provided
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NOC Skill Type of Main Job (NOC 2021):	14.1901		SYSTEM	
Legislative and senior management	0	0%	59	1%
Business, finance & administration	0	0%	982	21%
Natural & applied sciences & related	59	80%	966	21%
Health	0	0%	527	11%
Education, law and social, community & government	2	3%	1,323	28%
Art, culture, recreation & sport	0	0%	239	5%
Sales & service	3	4%	435	9%
Trades, transport & equipment operators & related	8	11%	119	3%
Natural resources, agriculture & related production	0	0%	34	1%
Manufacturing & utilities	2	3%	19	0%
Total	74	100%	4,703	100%

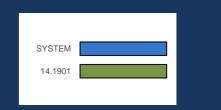




^{**}Percent = Total unemployed divided by total number in labour force

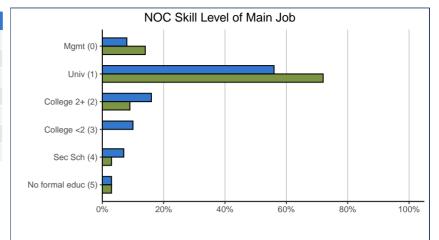
^{**}Of those who provided data on hours/week worked





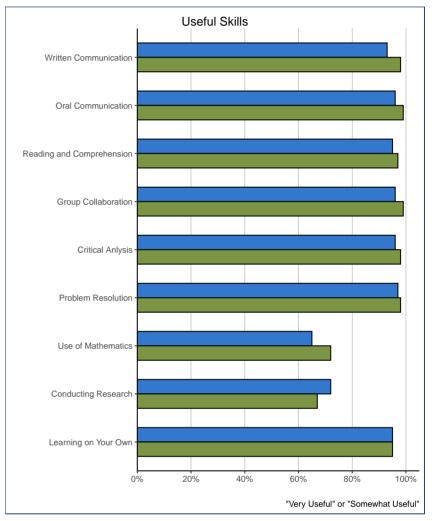
EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.	14.1901		SYSTEM	
0. Management	10	14%	382	8%	
1. University education	53	72%	2,648	56%	
2. College education/trade apprenticeship (2+ years)	7	9%	748	16%	
3. College education/trade apprenticeship (<2 years)	0	0%	476	10%	
4. Secondary school + job-specific training	2	3%	322	7%	
5. No formal education	2	3%	127	3%	
Total	74	100%	4,703	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	77%	21%	1%	1%	77
Oral Communication	83%	16%	1%	0%	77
Reading and Comprehension	78%	19%	0%	3%	77
Group Collaboration	78%	21%	1%	0%	77
Critical Anlysis	82%	16%	1%	1%	77
Problem Resolution	82%	16%	1%	1%	77
Use of Mathematics	32%	40%	21%	6%	77
Conducting Research	42%	25%	23%	10%	77
Learning on Your Own	81%	14%	4%	1%	77

		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	71%	22%	5%	2%	4,946
Oral Communication	77%	19%	3%	1%	4,956
Reading and Comprehension	73%	22%	3%	1%	4,946
Group Collaboration	78%	18%	2%	1%	4,952
Critical Anlysis	77%	19%	3%	1%	4,949
Problem Resolution	79%	18%	2%	1%	4,949
Use of Mathematics	30%	35%	22%	14%	4,790
Conducting Research	39%	33%	17%	11%	4,847
Learning on Your Own	69%	26%	3%	1%	4,942



ccupations of 14.1901 G	raduates*:	14.1901
NOC Skill Level	Description	% Employed FT in this Occ.**
1	Mechanical engineers	43%
0	Construction managers	10%
2	Mechanical engineering technologists and technicians	6%
	NOC Skill Level 1 0	Mechanical engineers Construction managers Mechanical engineering technologists and technicians Mechanical engineering technologists and technicians

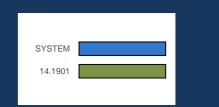
^{*} Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed

Top 10 Full-Tim	Top 10 Full-Time Occupations of SYSTEM Graduates*:		SYSTEM
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
31301	1	Registered nurses and registered psychiatric nurses	5%
21231	1	Software engineers and designers	4%
XXXXX	Χ	Unclassified occupations	4%
41221	1	Elementary school and kindergarten teachers	3%
11202	1	Professional occupations in advertising, marketing and public relations	2%
11100	1	Financial auditors and accountants	2%
42201	2	Social and community service workers	2%
21232	1	Software developers and programmers	2%
13100	3	Administrative officers	2%
41220	1	Secondary school teachers	2%

^{*} Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed



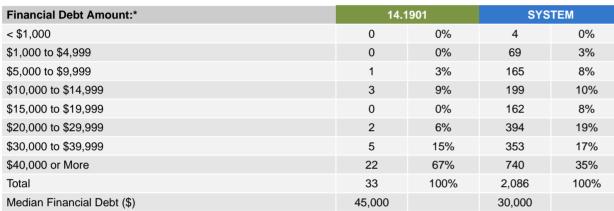
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.1901		TEM
Personal savings, investments	35	35 36%		32%
Employment while studying	28	29%	3,012	50%
Family/Friends	60	62%	3,627	60%
Personal bank loans	1	1%	337	6%
Government student loans	33	34%	2,007	33%
Scholarships/Bursaries/Grants	34	35%	1,988	33%
Other	44	45%	1,362	22%
Total	97		6,073	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1	1901	SYS	TEM
Incurred any form of financial debt	36	36%	2,595	43%
Incurred government-sponsored student loan debt	34	34%	2,232	36%

^{*} Percentage of respondents who provided data



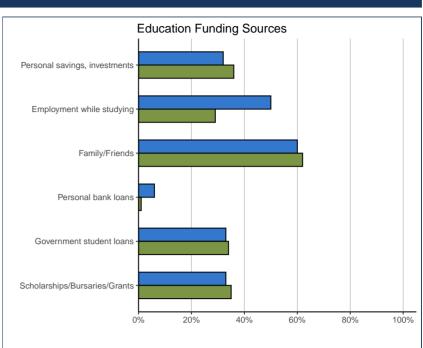
^{*} Includes only cases where financial debt was incurred

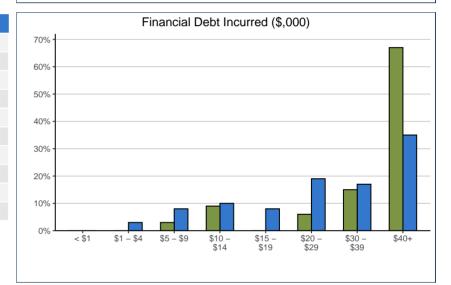


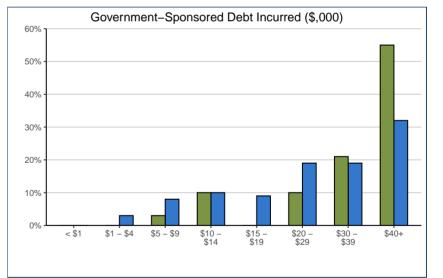
^{*} Includes only cases where government-sponsored debt was incurred

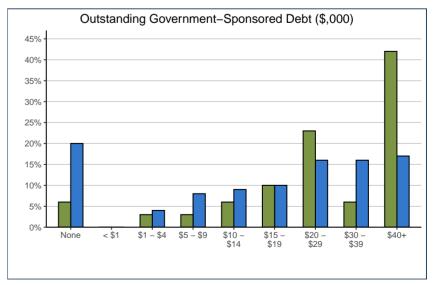


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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