

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

15.0805

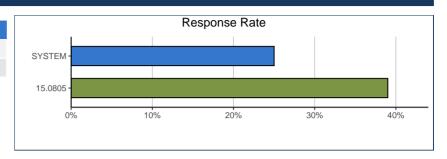
Detailed Summary of Survey Results

All Institutions

15.0805: Mechanical engineering/mechanical technology/technician

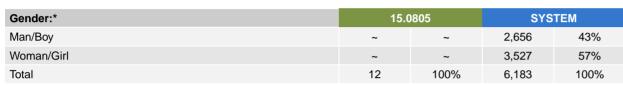
RESPONSE RATE

Survey Response Rate:	15.0805		SYSTEM	
Baccalaureate Graduates Survey Cohort	31	100%	24,572	100%
Survey Respondents and Response Rate	12	39%	6,200	25%

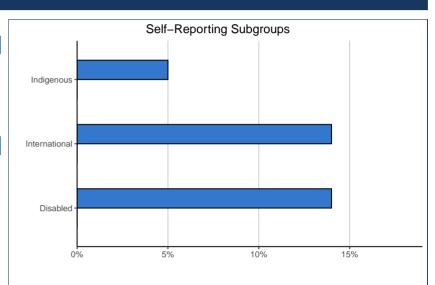


DEMOGRAPHIC INFORMATION

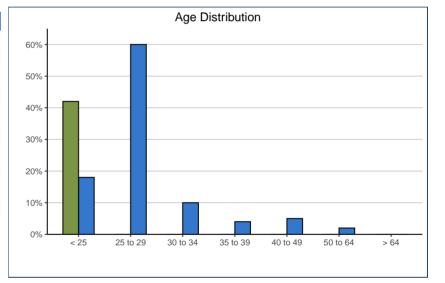
Self-Reporting Subgroups:	15.0805		SYS	TEM
Disabled	0	0%	851	14%
International	~	~	878	14%
Indigenous	0	0%	264	5%



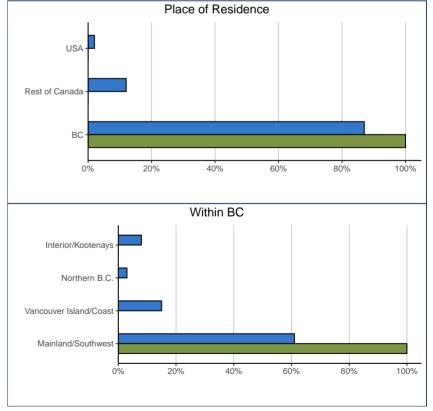
^{*}Due to zero or low counts, institution-reported "Non-Binary" demographic data are not included



Age (at time of survey):	15.0805		SYSTEM	
< 25	5	42%	1,133	18%
25 to 29	~	~	3,740	60%
30 to 34	0	0%	617	10%
35 to 39	0	0%	271	4%
40 to 49	~	~	279	5%
50 to 64	~	~	129	2%
> 64	0	0%	17	0%
Total	12	100%	6,186	100%
Median Age	26		26	
Average (mean) Age	30		28	



Place of Residence (at time of survey):	15.0805		SYSTEM	
BC – Mainland/Southwest	11	100%	3,405	61%
BC - Vancouver Island/Coast	0	0%	809	15%
BC – Northern B.C.	0	0%	160	3%
BC – Interior/Kootenays	0	0%	459	8%
BC Subtotal	11	100%	4,833	87%
Canada – Alberta	0	0%	266	5%
Canada – Ontario	0	0%	212	4%
Canada – Other	0	0%	139	3%
U.S.A.	0	0%	100	2%
Non-BC Subtotal	0	0%	717	13%
Total	11	100%	5,550	100%





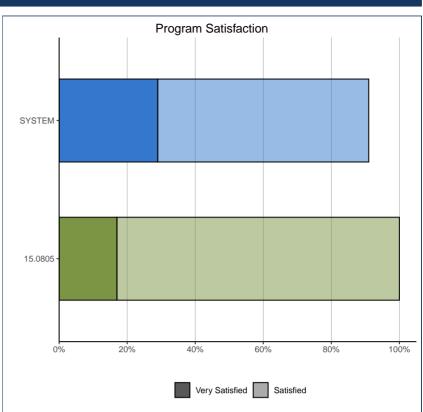


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	15.0805		SYSTEM	
Very Satisfied	2	17%	1,771	29%
Satisfied	10	83%	3,775	62%
Dissatisfied	0	0%	469	8%
Very Dissatisfied	0	0%	110	2%
Total	12	100%	6,125	100%

15.0805		SYSTEM	
4	44%	1,989	40%
5	56%	2,266	46%
0	0%	531	11%
0	0%	158	3%
9	100%	4,944	100%
	4 5 0	4 44% 5 56% 0 0% 0 0%	4 44% 1,989 5 56% 2,266 0 0% 531 0 0% 158

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	15.	0805	SYS	TEM
Yes	4	33%	515	9%
No	8	67%	5,527	91%



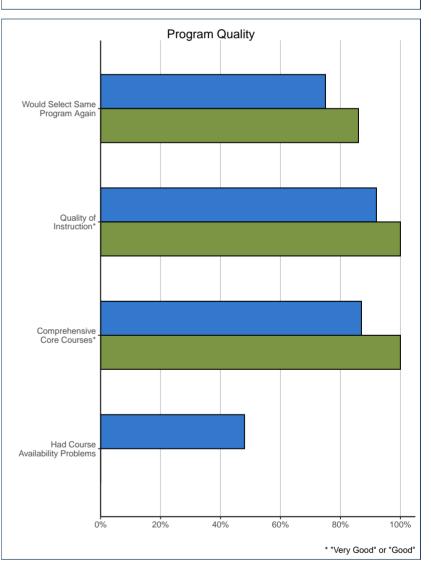
Would select the same program again:	15.0805		SYSTEM	
Yes	6	86%	4,137	75%
No	1	14%	1,363	25%

Quality of Instruction:	15.0805		SYSTEM	
Very Good	2	17%	1,727	28%
Good	10	83%	3,934	64%
Poor	0	0%	402	7%
Very Poor	0	0%	77	1%
Total	12	100%	6,140	100%

Comprehensiveness of Core Courses:	15.0	15.0805		TEM
Very Good	3	27%	1,667	27%
Good	8	73%	3,645	60%
Poor	0	0%	649	11%
Very Poor	0	0%	115	2%
Total	11	100%	6.076	100%

Course Availability:	15.0	805	SYSTEM	
Encountered course availability problems	0	0%	2,918	48%

Financial Constraints:	15.0805		SYS	TEM
Had to interrupt studies for financial reasons	0	0%	565	9%
Had to take program part-time for financial reasons	0	0%	955	16%



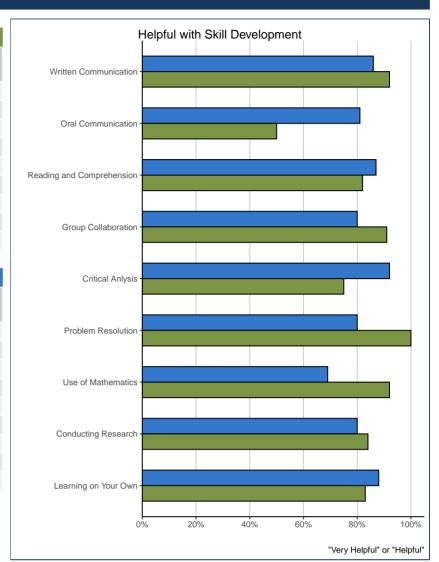




SKILL DEVELOPMENT

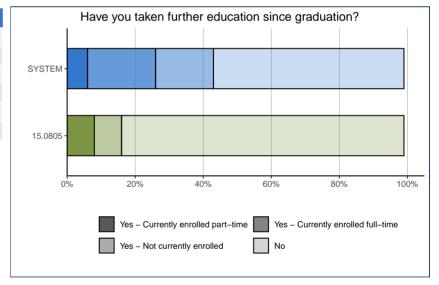
			15.0805		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	17%	75%	0%	8%	12
Oral Communication	10%	40%	40%	10%	10
Reading and Comprehension	18%	64%	9%	9%	11
Group Collaboration	33%	58%	8%	0%	12
Critical Anlysis	33%	42%	25%	0%	12
Problem Resolution	33%	67%	0%	0%	12
Use of Mathematics	67%	25%	8%	0%	12
Conducting Research	17%	67%	8%	8%	12
Learning on Your Own	33%	50%	17%	0%	12

			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

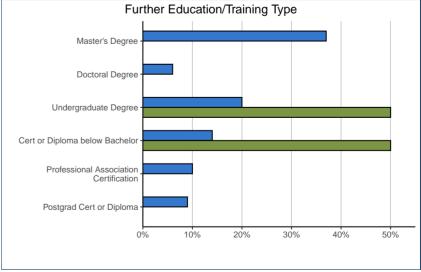


FURTHER EDUCATION

Took further education since 2022 graduation:	15.0805		SYSTEM	
Yes	2	17%	2,708	44%
Not currently enrolled	1	8%	1,069	17%
Currently enrolled full-time	0	0%	1,219	20%
Currently enrolled part-time	1	8%	389	6%
No	10	83%	3,459	56%
Total	12	100%	6,167	100%



Type of Formal Post–Secondary Education:	15.	15.0805		TEM
Master's Degree	0	0%	979	37%
Doctoral Degree	0	0%	155	6%
Another Undergraduate Degree	1	50%	543	20%
Certificate or Diploma below Bachelor Level	1	50%	374	14%
Professional Association Certification	0	0%	274	10%
Postgraduate Certificate or Diploma	0	0%	238	9%
Other	0	0%	119	4%
Total	2	100%	2,682	100%

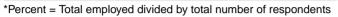




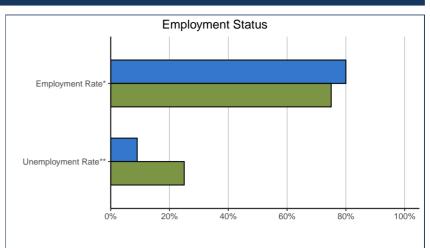


EMPLOYMENT

Labour Fource Status:	15.0805		SYSTEM	
In Labour Force (working or seeking work)	12	100%	5,472	90%
Not in Labour Force	0	0%	613	10%
Total	12	100%	6,085	100%
Employment:	15.0805		SYSTEM	
Employment Rate*	9	75%	4,982	80%
Unemployment Rate**		25.0%	490	9.0%



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

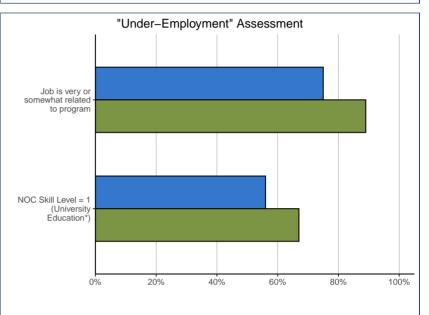


Status of Graduates NOT in Labour Force:	15.0805		SYSTEM	
Attending School FT	0	0%	446	73%
Attending School PT	0	0%	19	3%
Other	0	0%	148	24%
Total NOT in Labour Force	0	0%	613	100%

Primary Employment Type:	15.0805		SYSTEM	
Paid Worker	9	100%	4,678	94%
Self-Employed	0	0%	296	6%
Total	9	100%	4,974	100%

Job Characteristics:	15.0805		SYSTEM	
I hold more than one job*	0	0%	941	19%
My main job is full-time (>= 30 hours per week)**	9	100%	4,109	87%

^{*}Of total employed



How related is your main job to your program?	15.0805		SYSTEM	
Very Related	4	44%	2,190	44%
Somewhat Related	4	44%	1,532	31%
Not Very Related	0	0%	579	12%
Not at All Related	1	11%	668	13%
Total	9	100%	4,969	100%

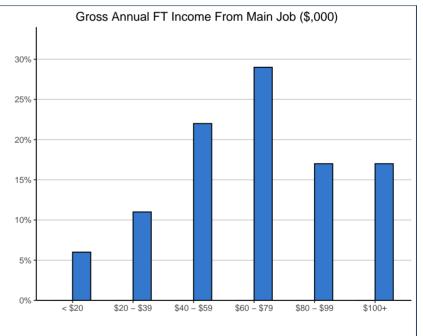
"Under-Employment" Assessment:	15.0805		SYSTEM	
Job is very or somewhat related to program	8	89%	3,722	75%
NOC Skill Level = 1 (University Education)*	6	67%	2,648	56%

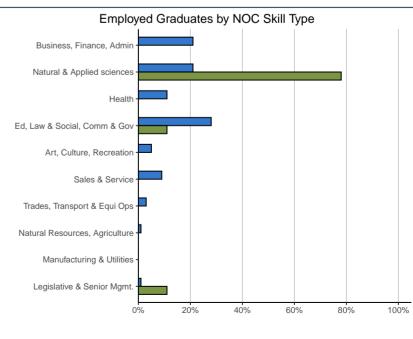
*Of total valid responses; N	NOC 2021	(TEER)
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Gross Annual Income from Main Job:*	15.0805		SYSTEM	
Less than \$20,000	0	0%	208	6%
\$20,000 to \$39,999	0	0%	406	11%
\$40,000 to \$59,999	~	~	818	22%
\$60,000 to \$79,999	~	~	1,081	29%
\$80,000 to \$99,999	~	~	627	17%
\$100,000 and Above	0	0%	623	17%
Total	7	100%	3,763	100%
Median Annual Income (full-time) (\$)	80,000		71,127	
Average Annual Income (full-time) (\$)	74,966		78,771	
*Where data provided				

*Where da	ata provided
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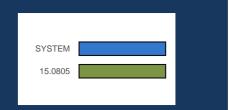
NOC Skill Type of Main Job (NOC 2021):	15 (0805	SYSTEM	
	10.0			
Legislative and senior management	'	11%	59	1%
Business, finance & administration	0	0%	982	21%
Natural & applied sciences & related	7	78%	966	21%
Health	0	0%	527	11%
Education, law and social, community & government	1	11%	1,323	28%
Art, culture, recreation & sport	0	0%	239	5%
Sales & service	0	0%	435	9%
Trades, transport & equipment operators & related	0	0%	119	3%
Natural resources, agriculture & related production	0	0%	34	1%
Manufacturing & utilities	0	0%	19	0%
Total	9	100%	4,703	100%





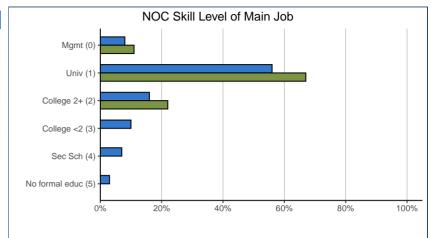
^{**}Of those who provided data on hours/week worked





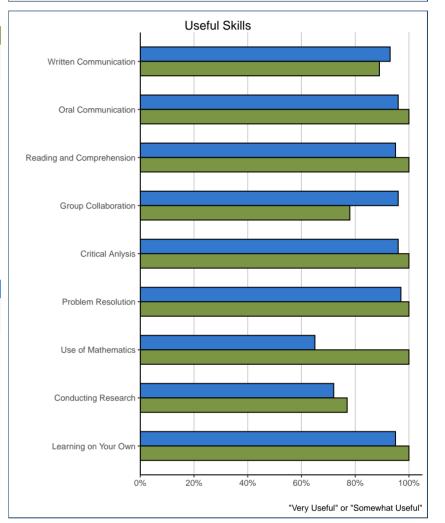
EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	15.	15.0805		TEM
0. Management	1	11%	382	8%
1. University education	6	67%	2,648	56%
2. College education/trade apprenticeship (2+ years)	2	22%	748	16%
3. College education/trade apprenticeship (<2 years)	0	0%	476	10%
4. Secondary school + job-specific training	0	0%	322	7%
5. No formal education	0	0%	127	3%
Total	9	100%	4,703	100%



	15.0805				
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	78%	11%	11%	0%	9
Oral Communication	78%	22%	0%	0%	9
Reading and Comprehension	78%	22%	0%	0%	9
Group Collaboration	78%	0%	22%	0%	9
Critical Anlysis	89%	11%	0%	0%	9
Problem Resolution	100%	0%	0%	0%	9
Use of Mathematics	67%	33%	0%	0%	9
Conducting Research	33%	44%	22%	0%	9
Learning on Your Own	78%	22%	0%	0%	9

	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



Top 10 Full-Tim	ne Occupations of 15.0805	Graduates*:	15.0805
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
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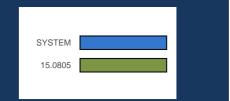
 $^{^{\}star}$ Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed

Top 10 Full-Tim	Top 10 Full-Time Occupations of SYSTEM Graduates*:		
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	X	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):*	15.	15.0805		TEM
Personal savings, investments	7	7 58%		32%
Employment while studying	3	25%	3,012	50%
Family/Friends	8	67%	3,627	60%
Personal bank loans	1	8%	337	6%
Government student loans	4	33%	2,007	33%
Scholarships/Bursaries/Grants	4	33%	1,988	33%
Other	1	8%	1,362	22%
Total	12		6,073	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	15.0	0805	SYS	TEM
Incurred any form of financial debt	d any form of financial debt 6			
Incurred government-sponsored student loan debt	5	42%	2,232	36%

^{*} Percentage of respondents who provided data



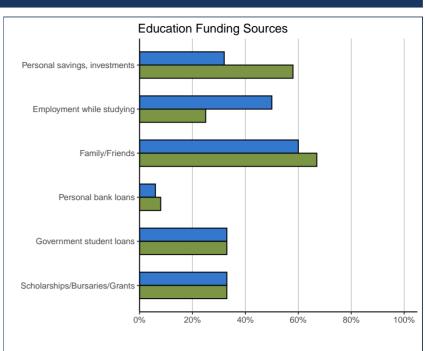
^{*} Includes only cases where financial debt was incurred

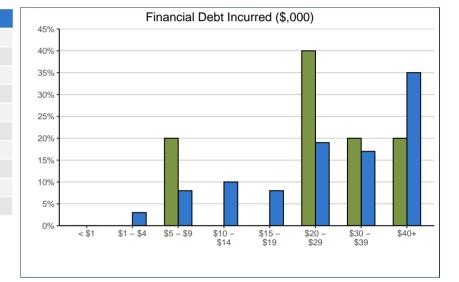


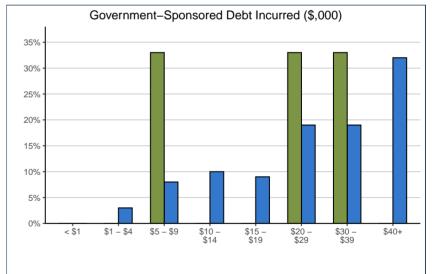
^{*} Includes only cases where government-sponsored debt was incurred

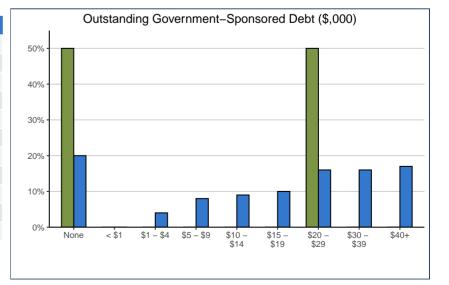


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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