

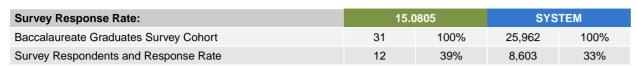
B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

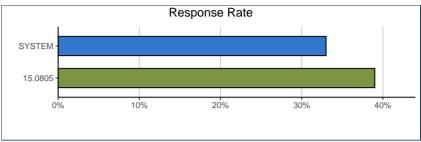
SYSTEM 15.0805

All Institutions
15.0805: Mechanical engineering/mechanical technology/technician

Detailed Summary of Survey Results

RESPONSE RATE



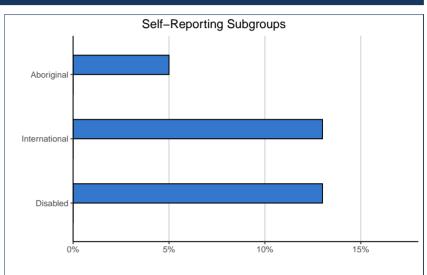


DEMOGRAPHIC INFORMATION

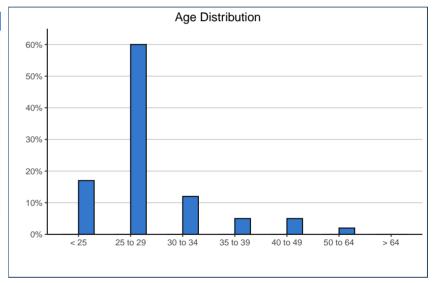
Self-Reporting Subgroups:	15.0805		SYS	TEM
Disabled	~	~	1,079	13%
International	0	0%	1,153	13%
Aboriginal	0	0%	330	5%

Gender:*	15.0805		SYS	TEM
Male	12	100%	3,534	41%
Female	0	0%	5,051	59%
Total	12	100%	8,585	100%

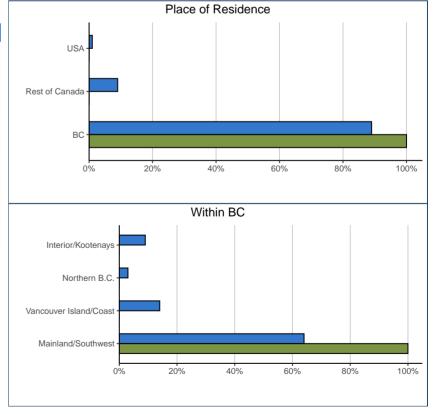
^{*}Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.



Age (at time of survey):	15.0805		SYSTEM	
< 25	~	~	1,417	17%
25 to 29	~	~	5,150	60%
30 to 34	~	~	994	12%
35 to 39	~	~	417	5%
40 to 49	0	0%	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	12	100%	8,586	100%
Median Age	26		26	
Average (mean) Age	29		28	



Place of Residence (at time of survey):	15	15.0805		SYSTEM	
BC – Mainland/Southwest	12	100%	4,824	64%	
BC - Vancouver Island/Coast	0	0%	1,065	14%	
BC – Northern B.C.	0	0%	225	3%	
BC – Interior/Kootenays	0	0%	673	9%	
BC Subtotal	12	100%	6,787	89%	
Canada – Alberta	0	0%	328	4%	
Canada – Ontario	0	0%	239	3%	
Canada – Other	0	0%	165	2%	
U.S.A.	0	0%	75	1%	
Non-BC Subtotal	0	0%	807	11%	
Total	12	100%	7,594	100%	





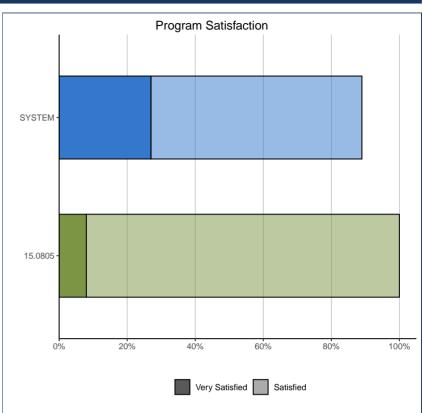


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	15.0805		SYS	TEM
Very Satisfied	1	8%	2,262	27%
Satisfied	11	92%	5,296	62%
Dissatisfied	0	0%	740	9%
Very Dissatisfied	0	0%	184	2%
Total	12	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	15.0805		SYSTEM	
Very Useful	5	42%	2,704	39%
Somewhat Useful	7	58%	3,247	46%
Not Very Useful	0	0%	814	12%
Not at All Useful	0	0%	250	4%
Total	12	100%	7,015	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	15.0805		SYSTEM		
Yes	4	33%	818	10%	
No	8	67%	7,545	90%	



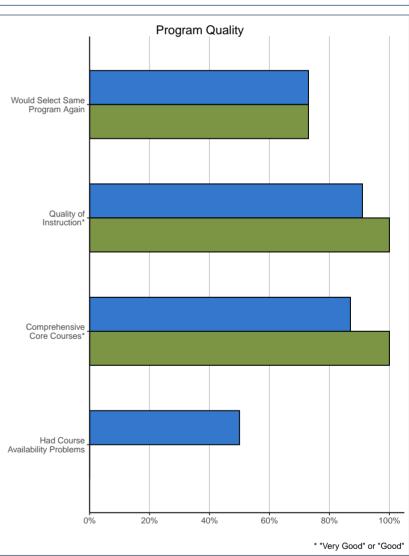
Would select the same program again:	15.0805		SYSTEM	
Yes	8	73%	5,501	73%
No	3	27%	2,019	27%

Quality of Instruction:	15.0805		SYSTEM	
Very Good	1	8%	2,328	27%
Good	11	92%	5,423	64%
Poor	0	0%	649	8%
Very Poor	0	0%	131	2%
Total	12	100%	8.531	100%

Comprehensiveness of Core Courses:	15.	15.0805		TEM
Very Good	3	25%	2,206	26%
Good	9	75%	5,161	61%
Poor	0	0%	862	10%
Very Poor	0	0%	171	2%
Total	12	100%	8.400	100%

Course Availability:	15.0	0805	SYSTEM	
Encountered course availability problems	0	0%	4.193	50%

Financial Constraints:	15.0805		SYSTEM	
Had to interrupt studies for financial reasons	0	0%	926	11%
Had to take program part-time for financial reasons	0	0%	1,545	18%



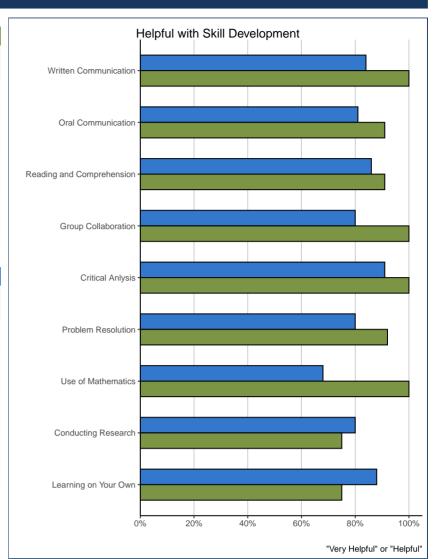




SKILL DEVELOPMENT

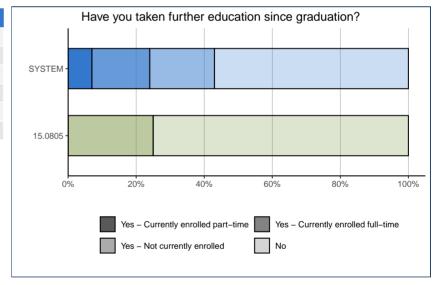
			15.0805		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	42%	58%	0%	0%	12
Oral Communication	27%	64%	9%	0%	11
Reading and Comprehension	36%	55%	9%	0%	11
Group Collaboration	75%	25%	0%	0%	12
Critical Anlysis	58%	42%	0%	0%	12
Problem Resolution	42%	50%	0%	8%	12
Use of Mathematics	75%	25%	0%	0%	12
Conducting Research	42%	33%	17%	8%	12
Learning on Your Own	33%	42%	17%	8%	12

	SYSTEM				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	57%	13%	3%	8,300
Oral Communication	25%	56%	17%	3%	8,321
Reading and Comprehension	30%	56%	13%	2%	8,343
Group Collaboration	28%	52%	17%	4%	8,403
Critical Anlysis	42%	49%	7%	2%	8,503
Problem Resolution	25%	55%	17%	3%	8,293
Use of Mathematics	21%	47%	24%	8%	6,569
Conducting Research	30%	50%	17%	4%	8,092
Learning on Your Own	38%	50%	9%	3%	8,397

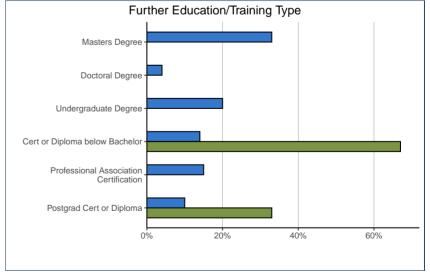


FURTHER EDUCATION

Took further education since 2021 graduation:	duation: 15.0805		SYSTEM	
Yes	3	25%	3,668	43%
Not currently enrolled	3	25%	1,580	19%
Currently enrolled full-time	0	0%	1,472	17%
Currently enrolled part-time	0	0%	565	7%
No	9	75%	4,870	57%
Total	12	100%	8,538	100%



Type of Formal Post-Secondary Education:	15	15.0805		SYSTEM	
Masters Degree	0	0%	1,184	33%	
Doctoral Degree	0	0%	153	4%	
Another Undergraduate Degree	0	0%	718	20%	
Certificate or Diploma below Bachelor level	2	67%	510	14%	
Professional Association Certification	0	0%	538	15%	
Postgraduate Certificate or Diploma	1	33%	359	10%	
Other	0	0%	162	4%	
Total	3	100%	3,624	100%	

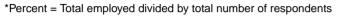




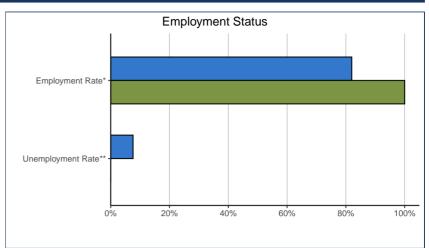


EMPLOYMENT

Labour Fource Status:	15.	0805	SYSTEM	
In Labour Force (working or seeking work)	12	100%	7,643	90%
Not in Labour Force	0	0%	803	10%
Total	12	100%	8,446	100%
Employment:	15.	0805	SYSTEM	
Employment Rate*	12	100%	7,062	82%



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

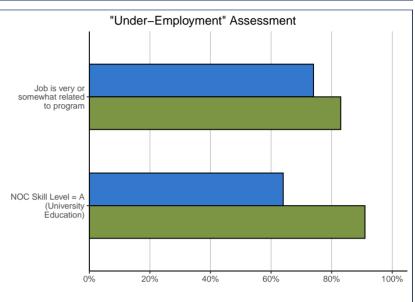


Status of Graduates NOT in Labour Force:	15.0805		SYSTEM	
Attending School FT	0	0%	565	70%
Attending School PT	0	0%	20	2%
Other	0	0%	218	27%
Total NOT in Labour Force	0	0%	803	100%

Primary Employment Type:	15.0805		SYSTEM	
Paid worker	11	92%	6,623	94%
Self-employed	1	8%	412	6%
Total	12	100%	7,035	100%

Job Characteristics:	15.	0805	SYSTEM	
I hold more than one job*	0	0%	1,243	18%
My main job is full-time (>= 30 hours per week)**	12	100%	5,922	89%

^{*}Of total Employed



How related is your main job to your program?	15.0805		SYSTEM	
Very Related	7	58%	3,081	44%
Somewhat Related	3	25%	2,151	31%
Not Very Related	2	17%	901	13%
Not at All Related	0	0%	910	13%
Total	12	100%	7,043	100%

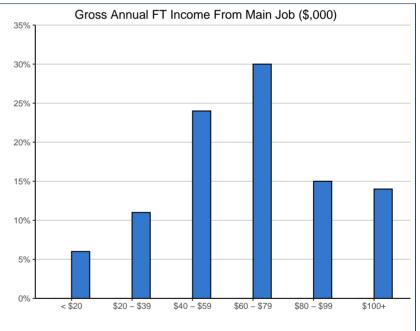
"Under-employment" Assessment:	15.0805		SYSTE	
Job is very or somewhat related to program	10	83%	5,232	74%
NOC Skill Level = A (University Education)*	10	91%	4,148	64%

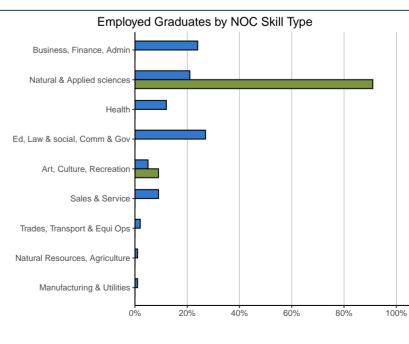
^{*}Of total valid responses

15.0805		SYSTEM	
0	0%	310	6%
0	0%	593	11%
~	~	1,303	24%
~	~	1,609	30%
~	~	805	15%
~	~	729	14%
11	100%	5,349	100%
80,018		68,000	
84,039		74,015	
	0 0 ~ ~ ~ ~ 11 80,018	0 0% 0 0% ~ ~ ~ ~ ~ ~ ~ ~ ~ 11 100% 80,018	0 0% 0 0% 593 ~ 1,303 ~ 1,609 ~ 805 ~ 729 11 100% 5,349 80,018 68,000

^{*}Where data provided

NOC Skill Type of Main Job:	15.	15.0805		SYSTEM	
Business, finance & administration	0	0%	1,558	24%	
Natural & applied sciences & related	10	91%	1,354	21%	
Health	0	0%	761	12%	
Education, law and social, community & government	0	0%	1,787	27%	
Art, culture, recreation & sport	1	9%	296	5%	
Sales & service	0	0%	559	9%	
Trades, transport & equipment operators & related	0	0%	114	2%	
Natural resources, agriculture & related production	0	0%	35	1%	
Manufacturing & utilities	0	0%	35	1%	
Total	11	100%	6,499	100%	





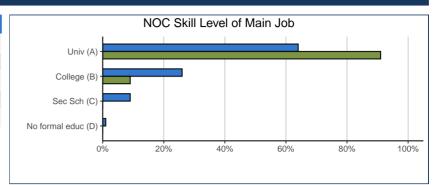
^{**}Of those who provided data on hours/week worked





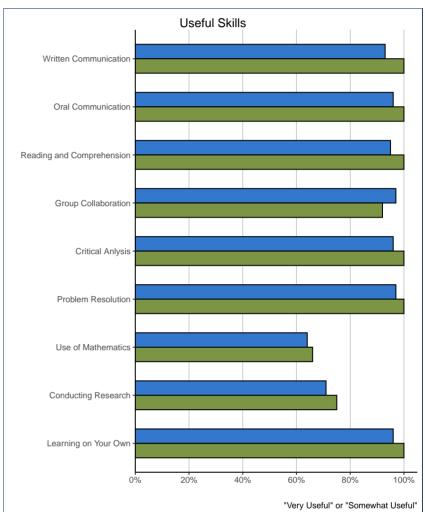
EMPLOYMENT, continued

NOC Skill Level of Main Job:	15.0805		SYSTEM	
A. University education	10	91%	4,148	64%
B. College education/trade apprenticeship	1	9%	1,713	26%
C. Secondary school + job-specific training	0	0%	564	9%
D. No formal education	0	0%	90	1%
Total	11	100%	6,515	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	75%	25%	0%	0%	12	
Oral Communication	83%	17%	0%	0%	12	
Reading and Comprehension	83%	17%	0%	0%	12	
Group Collaboration	75%	17%	8%	0%	12	
Critical Anlysis	100%	0%	0%	0%	12	
Problem Resolution	92%	8%	0%	0%	12	
Use of Mathematics	33%	33%	33%	0%	12	
Conducting Research	42%	33%	17%	8%	12	
Learning on Your Own	83%	17%	0%	0%	12	

	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%	4%	2%	7,014
Oral Communication	78%	18%	2%	1%	7,014
Reading and Comprehension	72%	23%	4%	1%	7,014
Group Collaboration	79%	18%	2%	1%	7,016
Critical Anlysis	76%	20%	3%	1%	7,016
Problem Resolution	80%	17%	2%	1%	7,013
Use of Mathematics	27%	37%	22%	14%	6,834
Conducting Research	37%	34%	17%	11%	6,904
Learning on Your Own	70%	26%	3%	2%	6,997



Top 10 Full-time Occupations of 15.0805 Graduates:		15.0805	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2132	A	Mechanical engineers	58%
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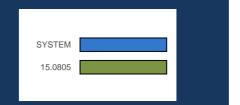
^{*} Data not displayed where n < 5

^{**} 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%
XXXX	0	Unclassified occupations	5%
2173	Α	Software engineers and designers	3%
1111	Α	Financial auditors and accountants	3%
4032	A	Elementary school and kindergarten teachers	3%
4212	В	Social and community service workers	3%
1123	Α	Professional occupations in advertising, marketing and public relations	3%
2174	Α	Computer programmers and interactive media developers	3%
1221	В	Administrative officers	2%
4031	A	Secondary school teachers	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	15.	15.0805		TEM
Personal savings, investments		58%	2,643	31%
Employment while studying		8%	4,042	48%
Family/Friends	8	67%	5,041	60%
Personal bank loans	1	8%	535	6%
Government student loans	7	58%	2,834	34%
Scholarships/Bursaries/Grants	2	17%	2,631	31%
Other	0	0%	1,990	24%
Total	12		8,391	

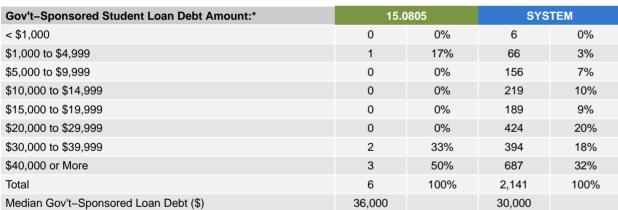
^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	15.0805		SYSTEM	
Incurred any form of financial debt	7	58%	3,736	44%
Incurred government-sponsored student loan debt	7	58%	3,105	37%

^{*} Percentage of respondents who provided data



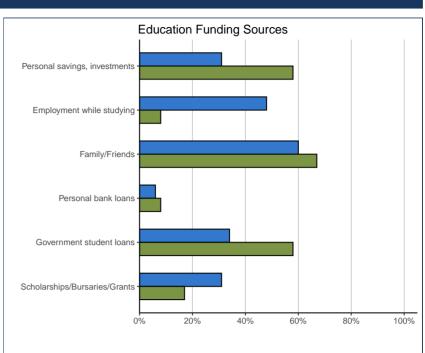
^{*} Includes only cases where financial debt was incurred

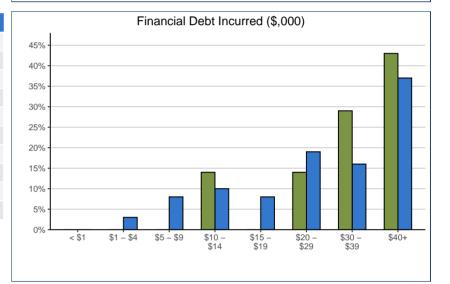


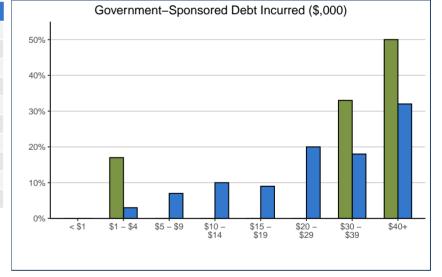
^{*} Includes only cases where government-sponsored debt was incurred

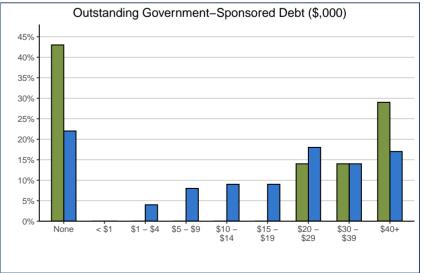


^{*} Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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