

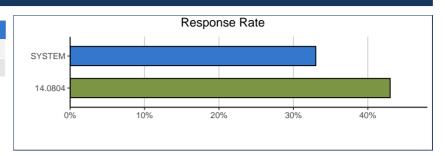
B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

14.0804

Detailed Summary of Survey Results
All Institutions
14.0804: Transportation and highway engineering

RESPONSE RATE

Survey Response Rate:	14.0804		SYSTEM	
Baccalaureate Graduates Survey Cohort	23	100%	25,962	100%
Survey Respondents and Response Rate	10	43%	8,603	33%

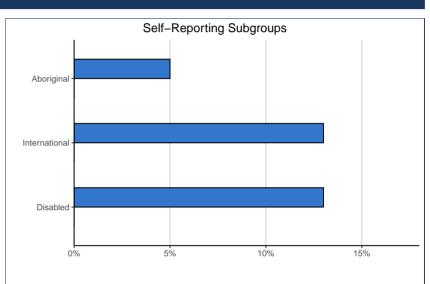


DEMOGRAPHIC INFORMATION

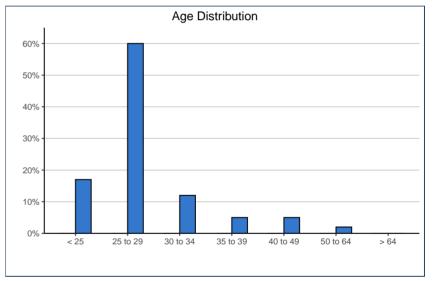
Self-Reporting Subgroups:	14.0804		SYS	TEM
Disabled	0 0%		1,079	13%
International	0	0%	1,153	13%
Aboriginal	~	~	330	5%

Gender:*	14.0804		SYSTEM	
Male	~	~	3,534	41%
Female	~	~	5,051	59%
Total	10	100%	8,585	100%

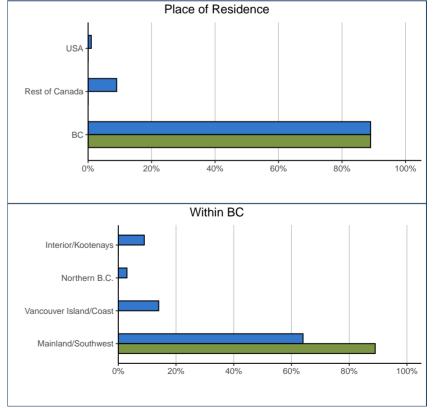
^{*}Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.



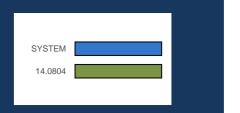
Age (at time of survey):	14.0804		SYSTEM	
< 25	~	~	1,417	17%
25 to 29	~	~	5,150	60%
30 to 34	~	~	994	12%
35 to 39	0	0%	417	5%
40 to 49	0	0%	407	5%
50 to 64	0	0%	175	2%
> 64	0	0%	26	0%
Total	10	100%	8,586	100%
Median Age	26		26	
Average (mean) Age	26		28	



Place of Residence (at time of survey):	14	14.0804		TEM
BC – Mainland/Southwest	8	89%	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	8	89%	6,787	89%
Canada – Alberta	~	~	328	4%
Canada – Ontario	0	0%	239	3%
Canada – Other	0	0%	165	2%
U.S.A.	0	0%	75	1%
Non-BC Subtotal	~	~	807	11%
Total	~	~	7,594	100%







EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0804		SYSTEM	
Very Satisfied	4	40%	2,262	27%
Satisfied	6	60%	5,296	62%
Dissatisfied	0	0%	740	9%
Very Dissatisfied	0	0%	184	2%
Total	10	100%	8,482	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0804		SYSTEM	
Very Useful	8	80%	2,704	39%
Somewhat Useful	1	10%	3,247	46%
Not Very Useful	1	10%	814	12%
Not at All Useful	0	0%	250	4%
Total	10	100%	7,015	100%
Not at All Useful		0%	250	4

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.0804		SYSTEM		
Yes	0	0%	818	10%		
No	10	100%	7,545	90%		



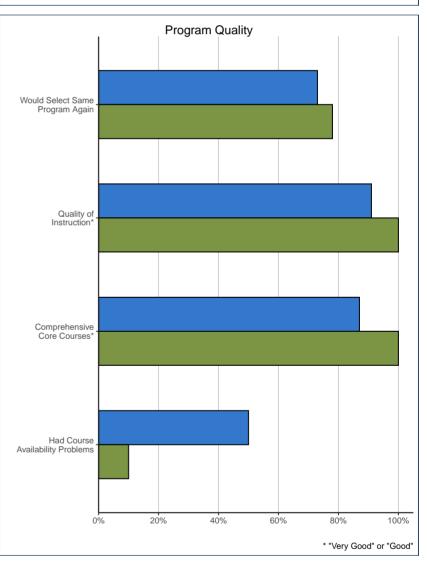
Would select the same program again:	14.0804		SYSTEM	
Yes	7	78%	5,501	73%
No	2	22%	2,019	27%

Quality of Instruction:	14.0	14.0804		TEM
Very Good	2	2 20%		27%
Good	8	80%	5,423	64%
Poor	0	0%	649	8%
Very Poor	0	0%	131	2%
Total	10	100%	8.531	100%

Comprehensiveness of Core Courses:	14.	14.0804		SYSTEM	
Very Good	3	30%	2,206	26%	
Good	7	70%	5,161	61%	
Poor	0	0%	862	10%	
Very Poor	0	0%	171	2%	
Total	10	100%	8.400	100%	

Course Availability:	14.0804		SYSTEM	
Encountered course availability problems	1	10%	4.193	50%

Financial Constraints:	14.0804		SYSTEM	
Had to interrupt studies for financial reasons	1	10%	926	11%
Had to take program part-time for financial reasons	1	10%	1,545	18%



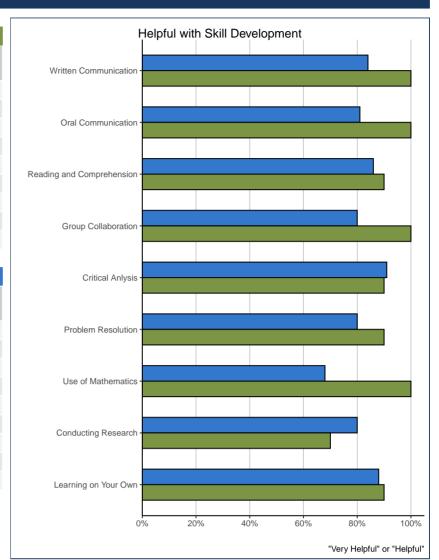




SKILL DEVELOPMENT

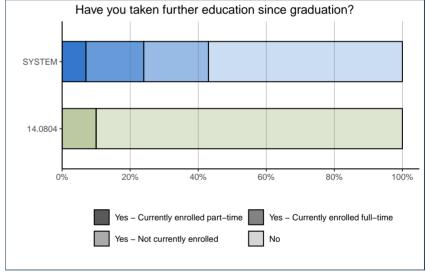
			14.0804		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	50%	50%	0%	0%	10
Oral Communication	22%	78%	0%	0%	9
Reading and Comprehension	30%	60%	10%	0%	10
Group Collaboration	60%	40%	0%	0%	10
Critical Anlysis	40%	50%	10%	0%	10
Problem Resolution	40%	50%	10%	0%	10
Use of Mathematics	40%	60%	0%	0%	10
Conducting Research	0%	70%	30%	0%	10
Learning on Your Own	30%	60%	10%	0%	10

			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

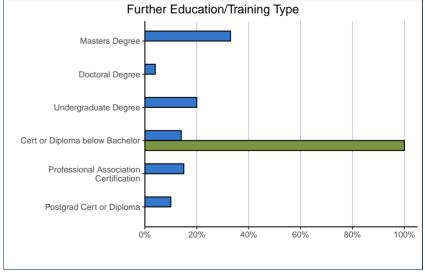


FURTHER EDUCATION

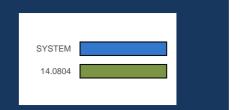
Took further education since 2021 graduation:	14.0804		SYS	TEM
Yes	1	10%	3,668	43%
Not currently enrolled	1	10%	1,580	19%
Currently enrolled full-time	0	0%	1,472	17%
Currently enrolled part-time	0	0%	565	7%
No	9	90%	4,870	57%
Total	10	100%	8,538	100%



Type of Formal Post-Secondary Education:	14.	14.0804		TEM
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	1	100%	510	14%
Professional Association Certification	0	0%	538	15%
Postgraduate Certificate or Diploma	0	0%	359	10%
Other	0	0%	162	4%
Total	1	100%	3,624	100%







EMPLOYMENT

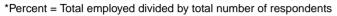
581

7.6%

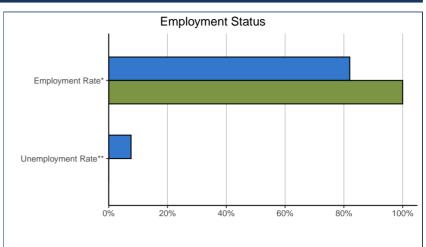
Labour Fource Status:	14.0804		SYS	TEM
In Labour Force (working or seeking work)	10	100%	7,643	90%
Not in Labour Force	0	0%	803	10%
Total	10	100%	8,446	100%
Employment:	14.0804		14.0804 SYS	
Employment Rate*	10	100%	7,062	82%

0

0.0%



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



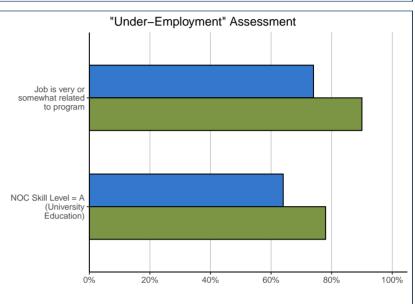
Status of Graduates NOT in Labour Force:	14.0804		SYS	TEM
Attending School FT	0	0%	565	70%
Attending School PT	0	0%	20	2%
Other	0	0%	218	27%
Total NOT in Labour Force	0	0%	803	100%

Primary Employment Type:	14.0804		SYSTEM	
Paid worker	9	90%	6,623	94%
Self-employed	1	10%	412	6%
Total	10	100%	7,035	100%

Job Characteristics:	14.	14.0804		TEM
I hold more than one job*	0	0%	1,243	18%
My main job is full-time (>= 30 hours per week)**	9	100%	5,922	89%

^{*}Of total Employed

Unemployment Rate**



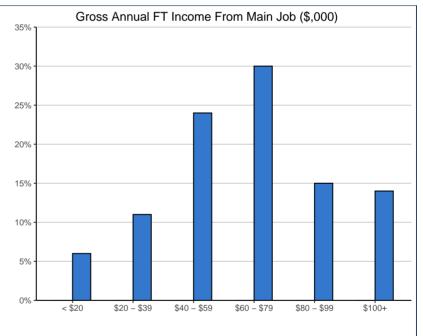
How related is your main job to your program?	14.0804		SYS	TEM
Very Related	9	90%	3,081	44%
Somewhat Related	0	0%	2,151	31%
Not Very Related	0	0%	901	13%
Not at All Related	1	10%	910	13%
Total	10	100%	7,043	100%

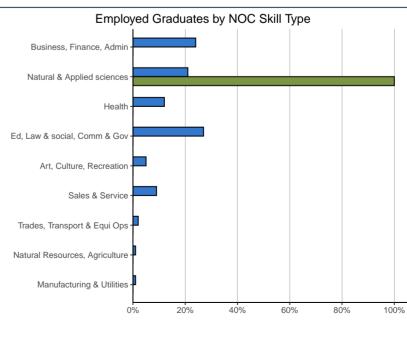
"Under-employment" Assessment:	14.0804		SYSTEM	
Job is very or somewhat related to program	9	90%	5,232	74%
NOC Skill Level = A (University Education)*	7	78%	4,148	64%

^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.0804		SYSTEM	
Less than \$20,000	0	0%	310	6%
\$20,000 to \$39,999	0	0%	593	11%
\$40,000 to \$59,999	0	0%	1,303	24%
\$60,000 to \$79,999	~	~	1,609	30%
\$80,000 to \$99,999	~	~	805	15%
\$100,000 and Above	0	0%	729	14%
Total	8	100%	5,349	100%
Median Annual Income (full-time) (\$)	83,080		68,000	
Average Annual Income (full-time) (\$)	81,678		74,015	
*Where data provided				

NOC Skill Type of Main Job:	14	14.0804		TEM
Business, finance & administration	0	0%	1,558	24%
Natural & applied sciences & related		100%	1,354	21%
Health		0%	761	12%
Education, law and social, community & government		0%	1,787	27%
Art, culture, recreation & sport	0	0%	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	9	100%	6,499	100%





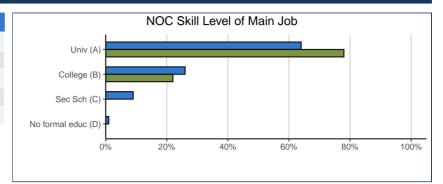
^{**}Of those who provided data on hours/week worked



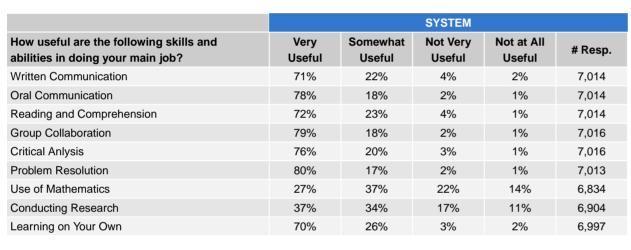


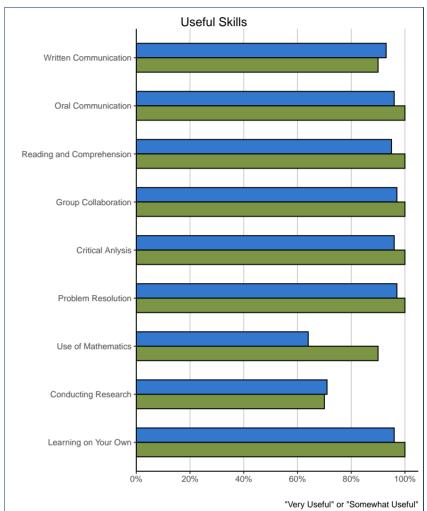
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0804		SYSTEM	
A. University education	7	78%	4,148	64%
B. College education/trade apprenticeship	2	22%	1,713	26%
C. Secondary school + job-specific training	0	0%	564	9%
D. No formal education	0	0%	90	1%
Total	9	100%	6,515	100%



	14.0804				
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	70%	20%	10%	0%	10
Oral Communication	80%	20%	0%	0%	10
Reading and Comprehension	90%	10%	0%	0%	10
Group Collaboration	90%	10%	0%	0%	10
Critical Anlysis	90%	10%	0%	0%	10
Problem Resolution	90%	10%	0%	0%	10
Use of Mathematics	70%	20%	10%	0%	10
Conducting Research	10%	60%	30%	0%	10
Learning on Your Own	70%	30%	0%	0%	10





Top 10 Full-1	time Occupations of 14.0804	raduates:	14.0804
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2131	A	Civil engineers	70%
*			
*			
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*			

 $^{^{\}star}$ 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	Α	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):*	14.0	14.0804		TEM
Personal savings, investments	3	30%	2,643	31%
Employment while studying	4	40%	4,042	48%
Family/Friends	4	40%	5,041	60%
Personal bank loans	0	0%	535	6%
Government student loans	7	70%	2,834	34%
Scholarships/Bursaries/Grants	5	50%	2,631	31%
Other	0	0%	1,990	24%
Total	10		8,391	



Financial Debt Incurred to Finance Bac. Ed.:*	14.0	14.0804 SY		STEM	
Incurred any form of financial debt	7	70%	3,736	44%	
Incurred government-sponsored student loan debt	7	70%	3,105	37%	

^{*} Percentage of respondents who provided data



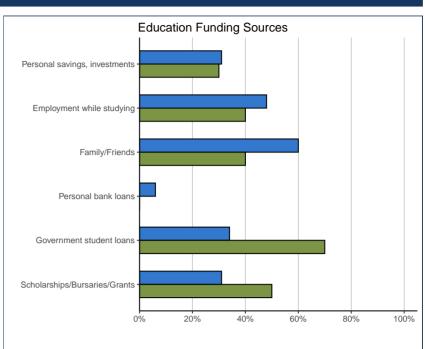
^{*} Includes only cases where financial debt was incurred

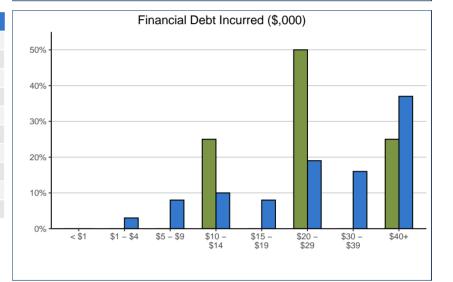


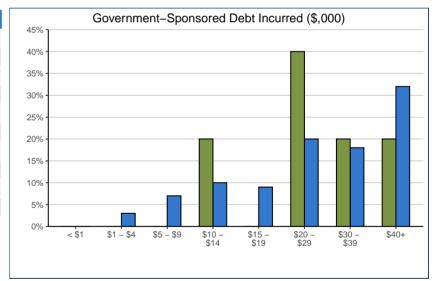
^{*} Includes only cases where government-sponsored debt was incurred

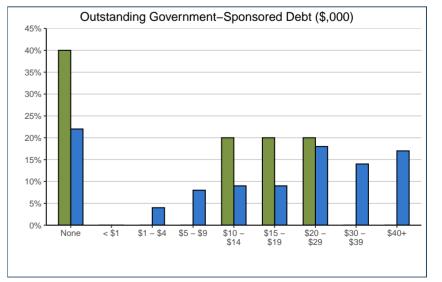


^{*} Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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