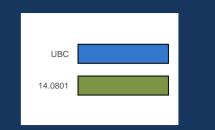


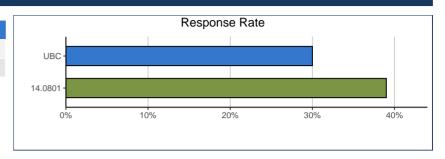
# B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

Detailed Summary of Survey Results
University of British Columbia
14.0801: Civil engineering, general



#### RESPONSE RATE

Survey Response Rate:	14.0801		UBC	
Baccalaureate Graduates Survey Cohort	126	100%	7,002	100%
Survey Respondents and Response Rate	49	39%	2,067	30%

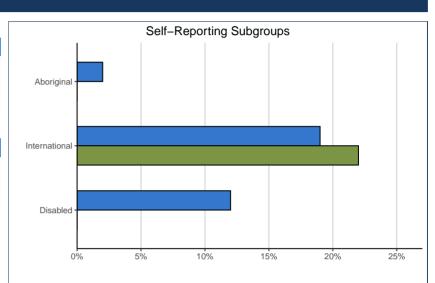


### DEMOGRAPHIC INFORMATION

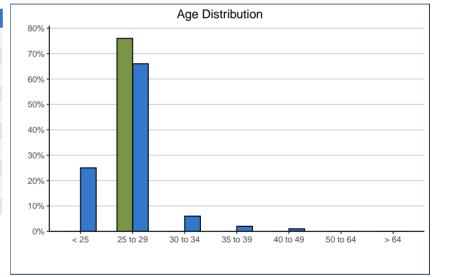
Self-Reporting Subgroups:	14.0801		UBC	
Disabled	~	~	233	12%
International	11	22%	400	19%
Aboriginal	~	~	28	2%

Gender:*	14.0801		UBC	
Male	33	67%	910	44%
Female	16	33%	1,157	56%
Total	49	100%	2,067	100%

<sup>\*</sup>Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.

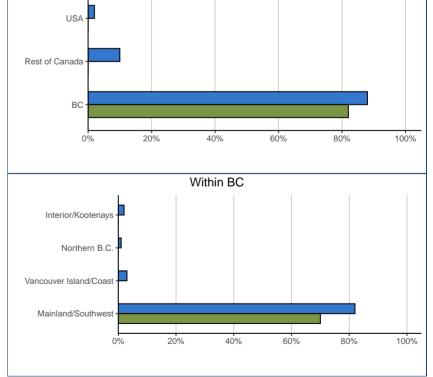


Age (at time of survey):	14.0801		UBC	
< 25	~	~	504	25%
25 to 29	37	76%	1,358	66%
30 to 34	~	~	126	6%
35 to 39	0	0%	32	2%
40 to 49	~	~	28	1%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	49	100%	2,054	100%
Median Age	26		25	
Average (mean) Age	27		26	

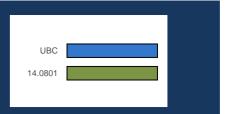


Place of Residence

Place of Residence (at time of survey):	14.0801		UBC	
BC – Mainland/Southwest	31	70%	1,470	82%
BC - Vancouver Island/Coast	~	~	45	3%
BC – Northern B.C.	~	~	21	1%
BC – Interior/Kootenays	0	0%	37	2%
BC Subtotal	36	82%	1,573	88%
Canada – Alberta	~	~	78	4%
Canada – Ontario	0	0%	79	4%
Canada – Other	~	~	32	2%
U.S.A.	~	~	34	2%
Non-BC Subtotal	8	18%	223	12%
Total	44	100%	1,796	100%



Detailed Summary of Survey Results University of British Columbia 14.0801: Civil engineering, general

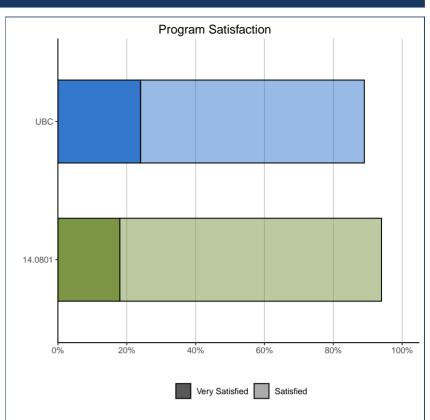


#### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	14.0801		UBC	
Very Satisfied	9	18%	492	24%
Satisfied	37	76%	1,327	65%
Dissatisfied	3	6%	174	9%
Very Dissatisfied	0	0%	43	2%
Total	49	100%	2,036	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0801		UBC	
Very Useful	15	36%	545	35%
Somewhat Useful	21	50%	723	46%
Not Very Useful	6	14%	231	15%
Not at All Useful	0	0%	63	4%
Total	42	100%	1,562	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0	14.0801		UBC	
Yes	5	11%	132	6%	
No	42	89%	1,901	94%	



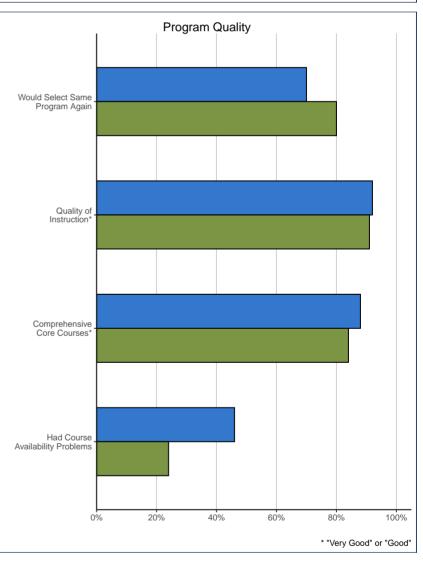
Would select the same program again:	14.0	0801	UE	ВС
Yes	35	80%	1,257	70%
No	9	20%	532	30%

Quality of Instruction:	14.	14.0801		BC
Very Good	11	11 22%		28%
Good	34	69%	1,313	64%
Poor	4	8%	141	7%
Very Poor	0	0%	26	1%
Total	49	100%	2.051	100%

Comprehensiveness of Core Courses:	14.0	14.0801		UBC	
Very Good	13	27%	523	26%	
Good	28	57%	1,252	62%	
Poor	8	16%	207	10%	
Very Poor	0	0%	38	2%	
Total	49	100%	2.020	100%	

Course Availability:	14.0801		UBC	
Encountered course availability problems	12	24%	916	46%

Financial Constraints:	14.0801		UE	ВС
Had to interrupt studies for financial reasons	3	6%	116	6%
Had to take program part-time for financial reasons	3	6%	178	9%



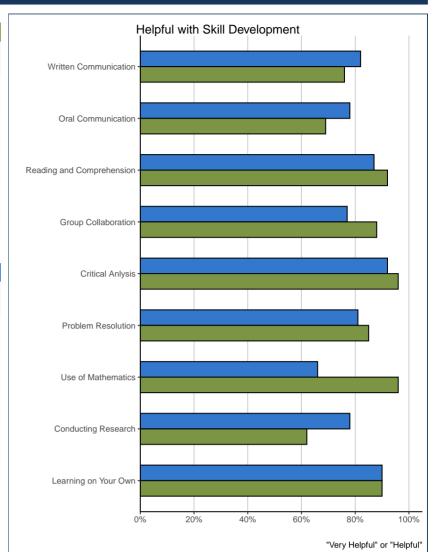
# Detailed Summary of Survey Results University of British Columbia 14.0801: Civil engineering, general



#### SKILL DEVELOPMENT

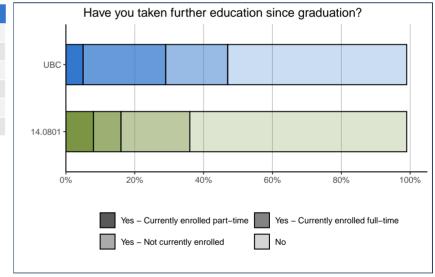
			14.0801		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	21%	55%	23%	0%	47
Oral Communication	14%	55%	31%	0%	49
Reading and Comprehension	33%	59%	6%	2%	49
Group Collaboration	35%	53%	12%	0%	49
Critical Anlysis	47%	49%	4%	0%	49
Problem Resolution	35%	50%	15%	0%	48
Use of Mathematics	57%	39%	4%	0%	49
Conducting Research	24%	38%	27%	11%	45
Learning on Your Own	50%	40%	10%	0%	48

			UBC		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	25%	57%	15%	3%	2,007
Oral Communication	23%	55%	19%	3%	2,013
Reading and Comprehension	33%	54%	11%	2%	2,033
Group Collaboration	26%	51%	19%	4%	2,030
Critical Anlysis	45%	47%	7%	2%	2,052
Problem Resolution	26%	55%	16%	3%	2,015
Use of Mathematics	20%	46%	24%	9%	1,657
Conducting Research	30%	48%	17%	4%	1,966
Learning on Your Own	43%	47%	9%	2%	2,037

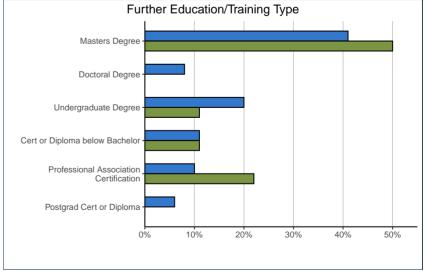


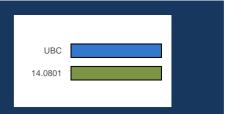
# FURTHER EDUCATION

Took further education since 2021 graduation:	14.0801		UBC	
Yes	18	37%	980	48%
Not currently enrolled	10	20%	370	18%
Currently enrolled full-time	4	8%	498	24%
Currently enrolled part-time	4	8%	103	5%
No	31	63%	1,070	52%
Total	49	100%	2,050	100%



Type of Formal Post–Secondary Education:	14.	14.0801		вс
Masters Degree	9	50%	399	41%
Doctoral Degree	0	0%	78	8%
Another Undergraduate Degree	2	11%	198	20%
Certificate or Diploma below Bachelor level	2	11%	103	11%
Professional Association Certification	4	22%	102	10%
Postgraduate Certificate or Diploma	0	0%	61	6%
Other	1	6%	32	3%
Total	18	100%	973	100%



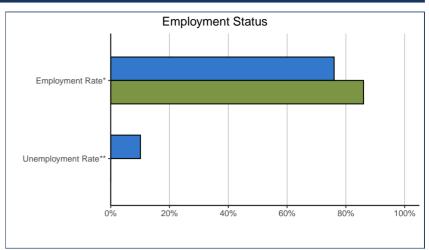


#### **EMPLOYMENT**

Labour Fource Status:	14.0801		UBC	
In Labour Force (working or seeking work)	42	86%	1,746	86%
Not in Labour Force	7	14%	277	14%
Total	49	100%	2,023	100%
Employment:	14.0801		UBC	



<sup>\*</sup>Percent = Total employed divided by total number of respondents

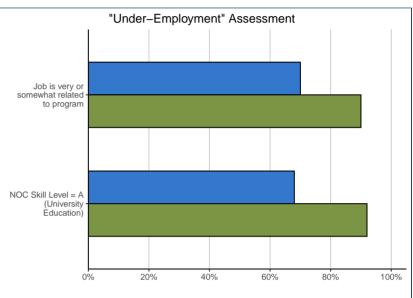


Status of Graduates NOT in Labour Force:	14.0801		UI	вс
Attending School FT	4	57%	220	79%
Attending School PT	1	14%	7	3%
Other	2	29%	50	18%
Total NOT in Labour Force	7	100%	277	100%

Primary Employment Type:	14.0801		UE	ВС
Paid worker	41	98%	1,480	95%
Self-employed	1	2%	82	5%
Total	42	100%	1,562	100%

Job Characteristics:	14.0801		U	вс
I hold more than one job*	2	5%	232	15%
My main job is full-time (>= 30 hours per week)**	42	100%	1,295	87%

<sup>\*</sup>Of total Employed



How related is your main job to your program?	14.0801		UBC	
Very Related	18	43%	592	38%
Somewhat Related	20	48%	493	32%
Not Very Related	3	7%	230	15%
Not at All Related	1	2%	245	16%
Total	42	100%	1,560	100%

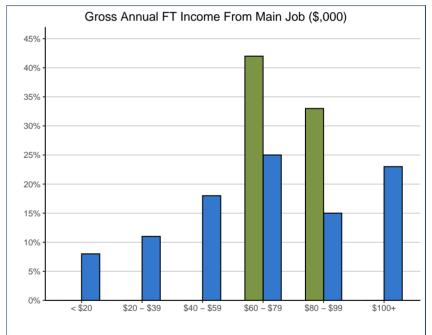
"Under-employment" Assessment:	14.0801		UBC	
Job is very or somewhat related to program	38	90%	1,085	70%
NOC Skill Level = A (University Education)*	35	92%	969	68%

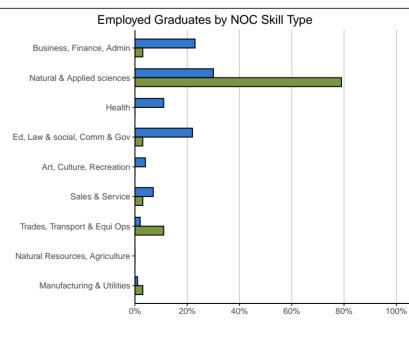
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	14.0801		UBC	
Less than \$20,000	0	0%	101	8%
\$20,000 to \$39,999	0	0%	130	11%
\$40,000 to \$59,999	~	~	222	18%
\$60,000 to \$79,999	14	42%	297	25%
\$80,000 to \$99,999	11	33%	185	15%
\$100,000 and Above	~	~	274	23%
Total	33	100%	1,209	100%
Median Annual Income (full-time) (\$)	79,979		73,750	
Average Annual Income (full-time) (\$)	84,904		84,372	

<sup>\*</sup>Where data provided

NOC Skill Type of Main Job:	14	14.0801		вс
Business, finance & administration	1	3%	322	23%
Natural & applied sciences & related	30	79%	433	30%
Health	0	0%	162	11%
Education, law and social, community & government	1	3%	314	22%
Art, culture, recreation & sport	0	0%	54	4%
Sales & service	1	3%	102	7%
Trades, transport & equipment operators & related	4	11%	25	2%
Natural resources, agriculture & related production	0	0%	6	0%
Manufacturing & utilities	1	3%	12	1%
Total	38	100%	1,430	100%





<sup>\*\*</sup>Percent = Total unemployed divided by total number in Labour Force

<sup>\*\*</sup>Of those who provided data on hours/week worked

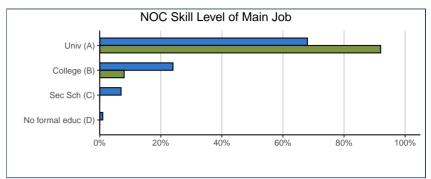


# Detailed Summary of Survey Results University of British Columbia 14.0801: Civil engineering, general



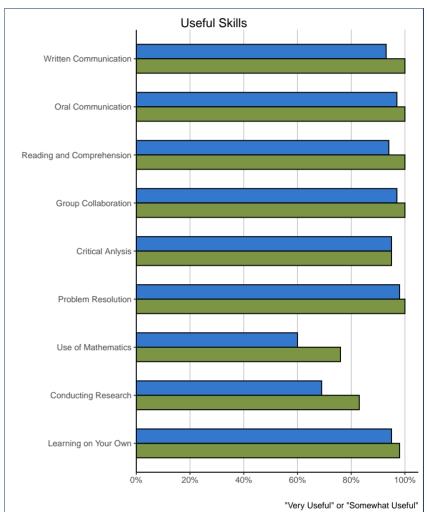
### EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0801		UBC	
A. University education	on 35 92			68%
B. College education/trade apprenticeship	3	8%	349	24%
C. Secondary school + job-specific training	0	0%	99	7%
D. No formal education	0	0%	18	1%
Total	38	100%	1,435	100%



14.0801					
Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.	
95%	5%	0%	0%	42	
86%	14%	0%	0%	42	
95%	5%	0%	0%	42	
88%	12%	0%	0%	42	
83%	12%	5%	0%	42	
88%	12%	0%	0%	42	
38%	38%	14%	10%	42	
44%	39%	12%	5%	41	
79%	19%	0%	2%	42	
	Useful 95% 86% 95% 88% 83% 88% 38% 44%	Useful         Useful           95%         5%           86%         14%           95%         5%           88%         12%           83%         12%           88%         12%           38%         38%           44%         39%	Very Useful         Somewhat Useful         Not Very Useful           95%         5%         0%           86%         14%         0%           95%         5%         0%           88%         12%         0%           83%         12%         5%           88%         12%         0%           38%         38%         14%           44%         39%         12%	Very Useful         Somewhat Useful         Not Very Useful         Not at All Useful           95%         5%         0%         0%           86%         14%         0%         0%           95%         5%         0%         0%           88%         12%         0%         0%           83%         12%         5%         0%           88%         12%         0%         0%           38%         38%         14%         10%           44%         39%         12%         5%	

		UBC				
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%	23%	5%	2%	1,559	
Oral Communication	77%	20%	2%	1%	1,560	
Reading and Comprehension	69%	25%	4%	1%	1,556	
Group Collaboration	78%	19%	3%	1%	1,558	
Critical Anlysis	75%	20%	4%	1%	1,558	
Problem Resolution	79%	19%	2%	1%	1,557	
Use of Mathematics	22%	38%	26%	14%	1,522	
Conducting Research	37%	32%	19%	12%	1,531	
Learning on Your Own	71%	24%	3%	2%	1,556	



Top 10 Full-time Occupations of 14.0801 Graduates:			14.0801	
NOC	NOC Skill Level	Description	9	% Employed FT in this Occ.**
2131	A	Civil engineers		67%
*				
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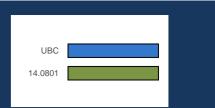
<sup>\*</sup> Data not displayed where n < 5

<sup>\*\*</sup> Percentages cited are of those employed

Top 10 Full-time Occupations of UBC Graduates:			UBC
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	Α	Software engineers and designers	6%
XXXX	0	Unclassified occupations	6%
2174	Α	Computer programmers and interactive media developers	3%
1123	Α	Professional occupations in advertising, marketing and public relations	3%
4112	Α	Lawyers and Quebec notaries	3%
3131	Α	Pharmacists	2%
2172	Α	Database analysts and data administrators	2%
2131	Α	Civil engineers	2%
3012	Α	Registered nurses and registered psychiatric nurses	2%
1241	В	Administrative assistants	2%

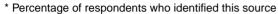
<sup>\*</sup> Data not displayed where n < 5

<sup>\*\*</sup> Percentages cited are of those employed



#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	14.0801		UE	BC
Personal savings, investments	11 23%			28%
Employment while studying	13	27%	802	40%
Family/Friends	30	63%	1,472	73%
Personal bank loans	0	0%	105	5%
Government student loans	17	35%	654	32%
Scholarships/Bursaries/Grants	19	40%	658	32%
Other	24	50%	505	25%
Total	48		2,025	



Financial Debt Incurred to Finance Bac. Ed.:*	14.0	0801	UI	вс
Incurred any form of financial debt	21 43%			
Incurred government-sponsored student loan debt	21	43%	719	35%

<sup>\*</sup> Percentage of respondents who provided data



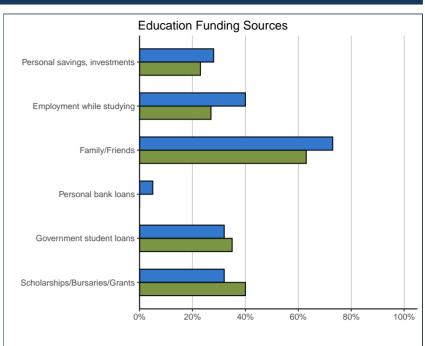
<sup>\*</sup> Includes only cases where financial debt was incurred

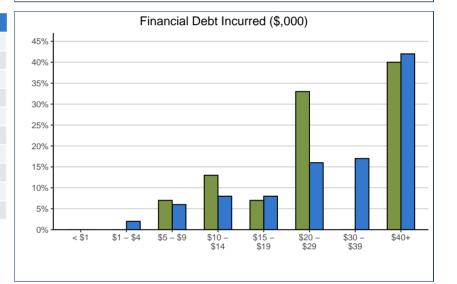


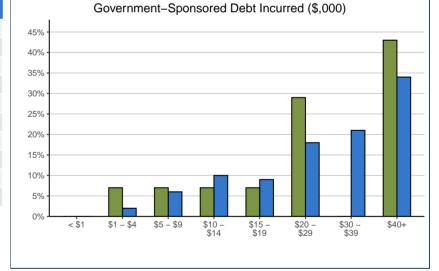
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

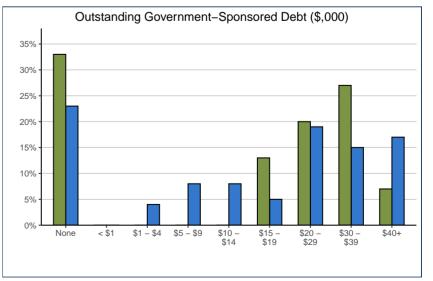


 $<sup>^{\</sup>star}$  Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









<sup>\*\*</sup> Median amounts shown are based on those who had remaining government student loan debt