

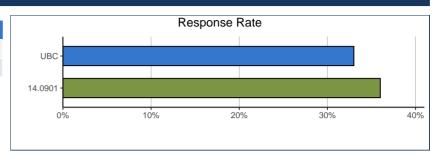
### B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

UBC 14.0901

Detailed Summary of Survey Results
University of British Columbia
14.0901: Computer engineering, general

#### RESPONSE RATE

Survey Response Rate:	14.0901		UBC	
Baccalaureate Graduates Survey Cohort	109	100%	6,879	100%
Survey Respondents and Response Rate	39	36%	2,273	33%

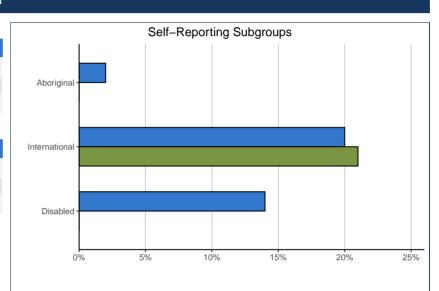


#### DEMOGRAPHIC INFORMATION

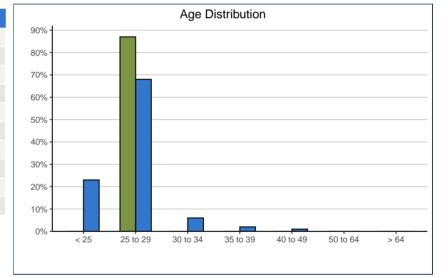
Self-Reporting Subgroups:	14.0901		UBC	
Disabled	~	~	292	14%
International	8	21%	459	20%
Aboriginal	0	0%	41	2%

Gender:*	14.0901		UBC	
Male	33	85%	953	42%
Female	6	15%	1,320	58%
Total	39	100%	2,273	100%

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



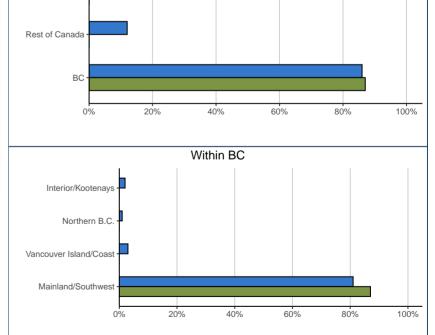
Age (at time of survey):	14.0901		UBC	
< 25	~	~	520	23%
25 to 29	34	87%	1,549	68%
30 to 34	~	~	133	6%
35 to 39	~	~	39	2%
40 to 49	0	0%	21	1%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	39	100%	2,269	100%
Median Age	26		25	
Average (mean) Age	26		26	



Place of Residence

USA -

Place of Residence (at time of survey):	14.0901		UBC	
BC – Mainland/Southwest	26	26 87%		81%
BC - Vancouver Island/Coast	0	0%	50	3%
BC – Northern B.C.	0	0%	12	1%
BC – Interior/Kootenays	0	0%	48	2%
BC Subtotal	26	87%	1,725	86%
Canada – Alberta	~	~	77	4%
Canada – Ontario	0	0%	112	6%
Canada – Other	0	0%	42	2%
U.S.A.	~	~	42	2%
Non-BC Subtotal	~	~	273	14%
Total	30	100%	1,998	100%





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

Program Satisfaction:	14.0901		UBC	
Very Satisfied	10	26%	490	22%
Satisfied	24	62%	1,486	66%
Dissatisfied	5	13%	221	10%
Very Dissatisfied	0	0%	44	2%
Total	39	100%	2,241	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0901		UBC	
Very Useful	15	42%	548	31%
Somewhat Useful	17	47%	924	52%
Not Very Useful	4	11%	242	14%
Not at All Useful	0	0%	60	3%
Total	36	100%	1,774	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0	14.0901		UBC	
Yes	3	8%	127	6%	
No	35	92%	2,107	94%	



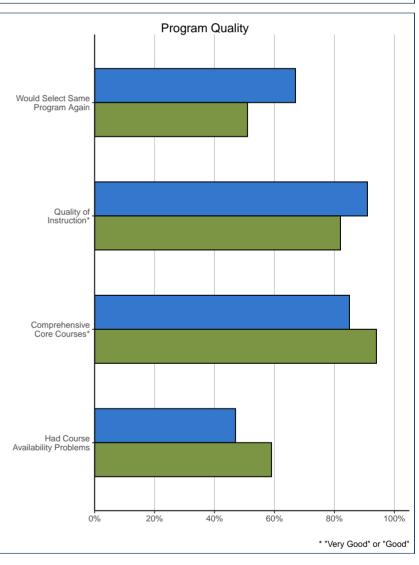
Would select the same program again:	14.0901		UBC	
Yes	19	51%	1,303	67%
No	18	49%	656	33%

Quality of Instruction:	14.0901		UBC	
Very Good	4	10%	588	26%
Good	28	72%	1,467	65%
Poor	7	18%	172	8%
Very Poor	0	0%	30	1%
Total	39	100%	2.257	100%

Comprehensiveness of Core Courses:	14.	14.0901		UBC	
Very Good	6	16%	535	24%	
Good	29	78%	1,356	61%	
Poor	2	5%	287	13%	
Very Poor	0	0%	45	2%	
Total	37	100%	2.223	100%	

Course Availability:	14.0901		UBC	
Encountered course availability problems	23	59%	1,043	47%

Financial Constraints:	14.0901		U	ВС
Had to interrupt studies for financial reasons	1	3%	155	7%
Had to take program part-time for financial reasons	3	8%	224	10%

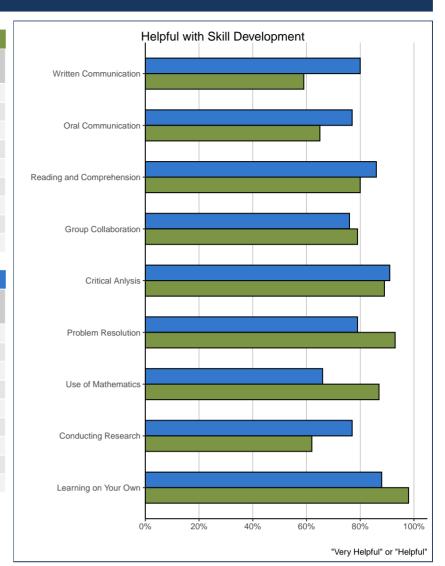




#### SKILL DEVELOPMENT

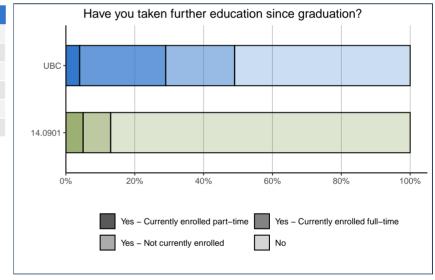
			14.0901		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	5%	54%	32%	8%	37
Oral Communication	3%	62%	31%	5%	39
Reading and Comprehension	13%	67%	15%	5%	39
Group Collaboration	28%	51%	15%	5%	39
Critical Anlysis	38%	51%	10%	0%	39
Problem Resolution	49%	44%	8%	0%	39
Use of Mathematics	38%	49%	13%	0%	39
Conducting Research	8%	54%	30%	8%	37
Learning on Your Own	62%	36%	3%	0%	39

			UBC		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	24%	56%	17%	3%	2,198
Oral Communication	22%	55%	20%	4%	2,212
Reading and Comprehension	31%	55%	12%	2%	2,222
Group Collaboration	24%	52%	20%	4%	2,230
Critical Anlysis	43%	48%	8%	2%	2,253
Problem Resolution	24%	55%	18%	3%	2,188
Use of Mathematics	20%	46%	24%	10%	1,801
Conducting Research	29%	48%	19%	4%	2,159
Learning on Your Own	39%	49%	10%	2%	2,236

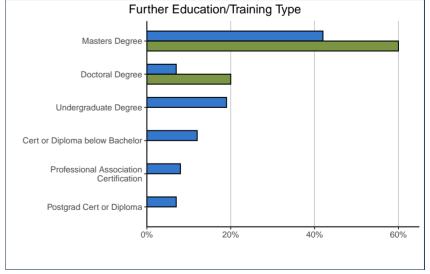


#### **FURTHER EDUCATION**

Took further education since 2020 graduation:	14.0	14.0901		UBC	
Yes	5	13%	1,119	49%	
Not currently enrolled	3	8%	454	20%	
Currently enrolled full-time	2	5%	559	25%	
Currently enrolled part-time	0	0%	99	4%	
No	34	87%	1,144	51%	
Total	39	100%	2,263	100%	



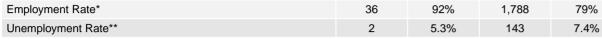
Type of Formal Post–Secondary Education:	14.	14.0901		3C
Masters Degree	3	60%	467	42%
Doctoral Degree	1	20%	82	7%
Another Undergraduate Degree	0	0%	213	19%
Certificate or Diploma below Bachelor level	0	0%	133	12%
Professional Association Certification	0	0%	86	8%
Postgraduate Certificate or Diploma	0	0%	77	7%
Other	1	20%	52	5%
Total	5	100%	1,110	100%



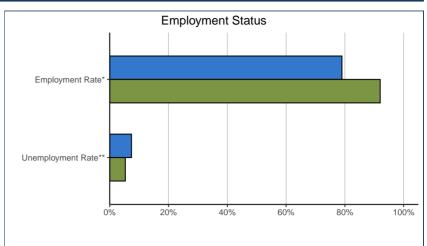


#### **EMPLOYMENT**

Labour Fource Status:	14.	14.0901		ВС		
In Labour Force (working or seeking work)	38	97%	1,931	87%		
Not in Labour Force	1	3%	296	13%		
Total	39	100%	2,227	100%		
Employment:	14.	14.0901		14.0901 UBC		ВС



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

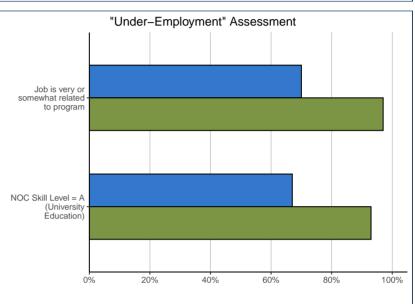


Status of Graduates NOT in Labour Force:	14.0901		UBC	
Attending School FT	1	100%	238	80%
Attending School PT	0	0%	2	1%
Other	0	0%	56	19%
Total NOT in Labour Force	1	100%	296	100%

Primary Employment Type:	14.0901		UE	ВС
Paid worker	36	100%	1,679	94%
Self-employed	0	0%	106	6%
Total	36	100%	1,785	100%

Job Characteristics:	14.0	0901	UE	ВС
I hold more than one job*	1	3%	300	17%
My main job is full-time (>= 30 hours per week)**	32	97%	1,465	86%

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



How related is your main job to your program?	14.0901		UBC	
Very Related	18	50%	628	35%
Somewhat Related	17	47%	621	35%
Not Very Related	0	0%	271	15%
Not at All Related	1	3%	264	15%
Total	36	100%	1,784	100%

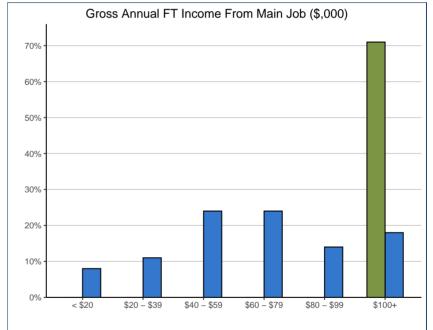
"Under-employment" Assessment:	14.0901		UBC	
Job is very or somewhat related to program	35	97%	1,249	70%
NOC Skill Level = A (University Education)*	28	93%	1,126	67%

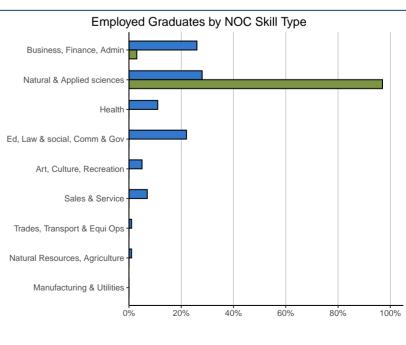
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	14.0901		UBC	
Less than \$20,000	0	0%	112	8%
\$20,000 to \$39,999	0	0%	151	11%
\$40,000 to \$59,999	0	0%	321	24%
\$60,000 to \$79,999	~	~	326	24%
\$80,000 to \$99,999	~	~	195	14%
\$100,000 and Above	20	71%	243	18%
Total	28	100%	1,348	100%
Median Annual Income (full-time) (\$)	133,250		70,000	
Average Annual Income (full-time) (\$)	172,653		79,724	

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

NOC Skill Type of Main Job:	14	14.0901		UBC	
Business, finance & administration	1	3%	429	26%	
Natural & applied sciences & related	29	97%	459	28%	
Health	0	0%	183	11%	
Education, law and social, community & government	0	0%	361	22%	
Art, culture, recreation & sport	0	0%	87	5%	
Sales & service		0%	118	7%	
Trades, transport & equipment operators & related	0	0%	11	1%	
Natural resources, agriculture & related production	0	0%	13	1%	
Manufacturing & utilities	0	0%	8	0%	
Total	30	100%	1,669	100%	





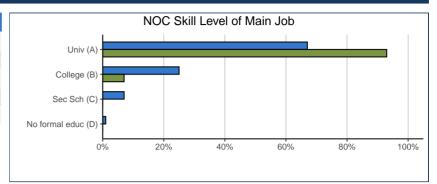
<sup>\*\*</sup>Percent = Total unemployed divided by total number in Labour Force

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



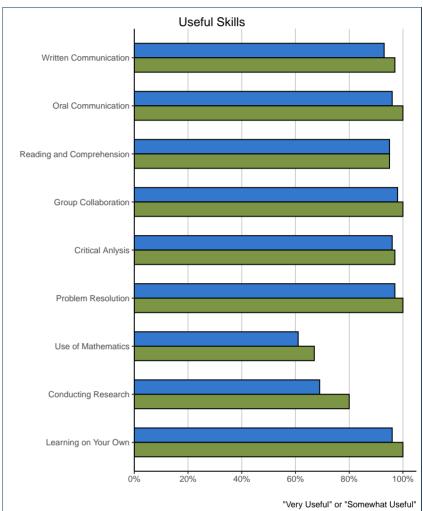
### EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0901		UBC	
A. University education	28	93%	1,126	67%
B. College education/trade apprenticeship	2	7%	415	25%
C. Secondary school + job-specific training	0	0%	121	7%
D. No formal education	0	0%	14	1%
Total	30	100%	1,676	100%



	14.0901				
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	58%	39%	3%	0%	36
Oral Communication	81%	19%	0%	0%	36
Reading and Comprehension	67%	28%	6%	0%	36
Group Collaboration	81%	19%	0%	0%	36
Critical Anlysis	83%	14%	3%	0%	36
Problem Resolution	75%	25%	0%	0%	36
Use of Mathematics	25%	42%	22%	11%	36
Conducting Research	33%	47%	11%	8%	36
Learning on Your Own	81%	19%	0%	0%	36

	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	66%	27%	6%	2%	1,772
Oral Communication	75%	21%	3%	1%	1,774
Reading and Comprehension	70%	25%	4%	1%	1,772
Group Collaboration	78%	20%	3%	0%	1,773
Critical Anlysis	73%	23%	3%	1%	1,771
Problem Resolution	77%	20%	2%	1%	1,766
Use of Mathematics	24%	37%	24%	16%	1,739
Conducting Research	36%	33%	19%	12%	1,744
Learning on Your Own	69%	27%	3%	1%	1,771



Top 10 Full-time Occupations of 14.0901 Graduates:		14.0901	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	44%
2174	A	Computer programmers and interactive media developers	25%
*			
*			
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<sup>\*</sup> Data not displayed where n < 5

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

Top 10 Full-ti	Top 10 Full-time Occupations of UBC Graduates:		
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	6%
XXXX	0	Unclassified occupations	4%
2174	A	Computer programmers and interactive media developers	3%
4112	A	Lawyers and Quebec notaries	3%
1123	Α	Professional occupations in advertising, marketing and public relations	3%
4012	Α	Post–secondary teaching and research assistants	2%
1112	Α	Financial and investment analysts	2%
1111	Α	Financial auditors and accountants	2%
3131	A	Pharmacists	2%
3012	Α	Registered nurses and registered psychiatric nurses	2%

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

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



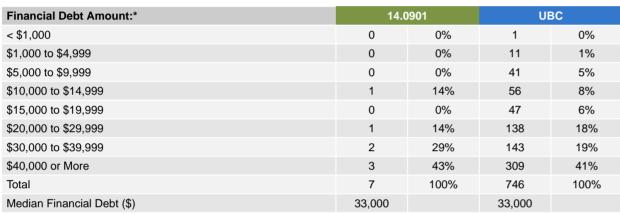
#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	lowed):* 14.0901		UBC	
Personal savings, investments	7	7 18%		28%
Employment while studying		37%	1,016	46%
Family/Friends	31	82%	1,541	70%
Personal bank loans	0	0%	116	5%
Government student loans	9	24%	704	32%
Scholarships/Bursaries/Grants	8	21%	771	35%
Other	17	45%	506	23%
Total	38		2,213	



Financial Debt Incurred to Finance Bac. Ed.:*	14.0901		UBC	
Incurred any form of financial debt	ncial debt 10 26%			
Incurred government-sponsored student loan debt	9	23%	777	35%

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



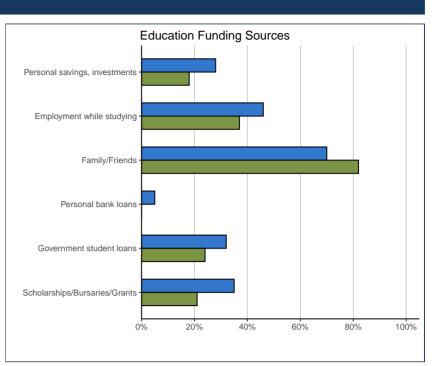
<sup>\*</sup> Includes only cases where financial debt was incurred

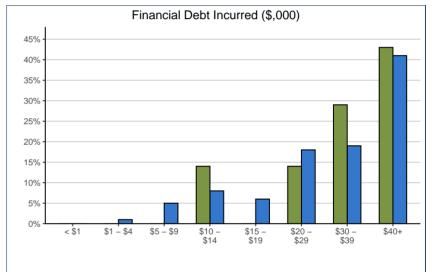


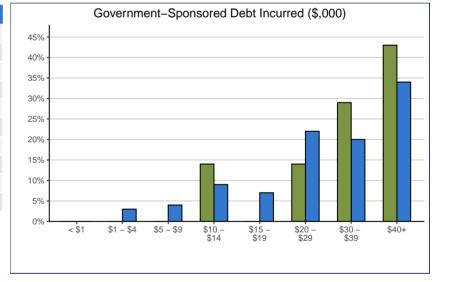
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

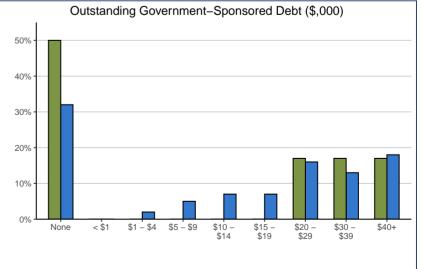


 $<sup>^{\</sup>star}$  Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









 $<sup>^{\</sup>star\star}$  Median amounts shown are based on those who had remaining government student loan debt