

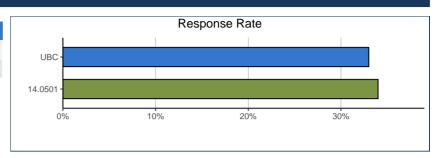
B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

UBC 14.0501

Detailed Summary of Survey Results
University of British Columbia
14.0501: Bioengineering and biomedical engineering

RESPONSE RATE

Survey Response Rate:	14.0501		UBC	
Baccalaureate Graduates Survey Cohort	104	100%	6,879	100%
Survey Respondents and Response Rate	35	34%	2,273	33%

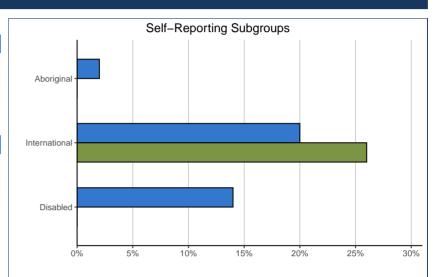


DEMOGRAPHIC INFORMATION

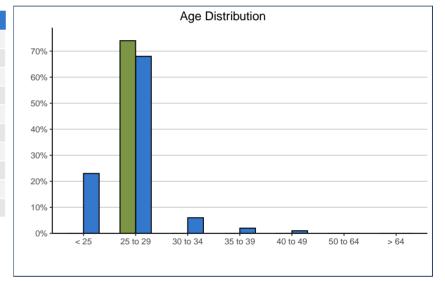
Self-Reporting Subgroups:	14.0501		UBC	
Disabled	~	~	292	14%
International	9	26%	459	20%
Aboriginal	0	0%	41	2%

Gender:*	14.0501		UBC	
Male	23	66%	953	42%
Female	12	34%	1,320	58%
Total	35	100%	2,273	100%

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



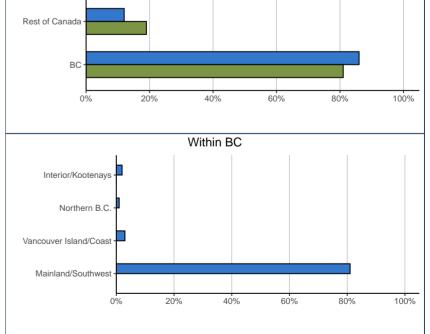
Age (at time of survey):	14.0501		UBC	
< 25	~	~	520	23%
25 to 29	26	74%	1,549	68%
30 to 34	~	~	133	6%
35 to 39	0	0%	39	2%
40 to 49	0	0%	21	1%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	35	100%	2,269	100%
Median Age	25		25	
Average (mean) Age	25		26	



Place of Residence

USA -

Place of Residence (at time of survey):	14.0501		UBC	
BC – Mainland/Southwest	~ ~		1,615	81%
BC - Vancouver Island/Coast	~	~	50	3%
BC – Northern B.C.	0	0%	12	1%
BC – Interior/Kootenays	~	~	48	2%
BC Subtotal	26	81%	1,725	86%
Canada – Alberta	6	19%	77	4%
Canada – Ontario	0	0%	112	6%
Canada – Other	0	0%	42	2%
U.S.A.	0	0%	42	2%
Non-BC Subtotal	6	19%	273	14%
Total	32	100%	1,998	100%





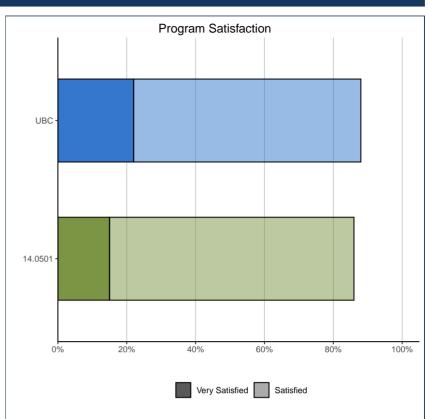


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0501		UBC	
Very Satisfied	5	15%	490	22%
Satisfied	24	71%	1,486	66%
Dissatisfied	5	15%	221	10%
Very Dissatisfied	0	0%	44	2%
Total	34	100%	2,241	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0501		UBC	
Very Useful	7	26%	548	31%
Somewhat Useful	15	56%	924	52%
Not Very Useful	5	19%	242	14%
Not at All Useful	0	0%	60	3%
Total	27	100%	1,774	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0	14.0501		UBC	
Yes	2	6%	127	6%	
No	33	94%	2,107	94%	



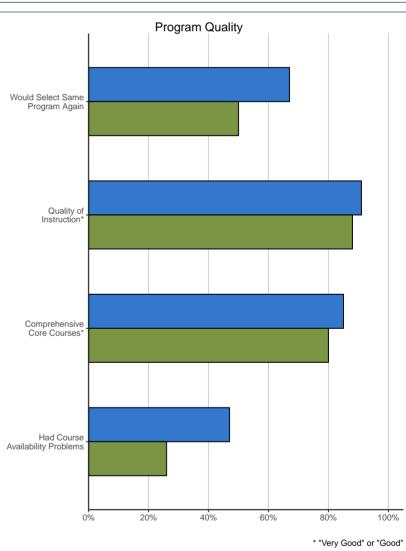
Would select the same program again:	14.0501		UBC	
Yes	13	50%	1,303	67%
No	13	50%	656	33%

Quality of Instruction:	14.0	14.0501		UBC	
Very Good	5	14%	588	26%	
Good	26	74%	1,467	65%	
Poor	3	9%	172	8%	
Very Poor	1	3%	30	1%	
Total	35	100%	2,257	100%	

Comprehensiveness of Core Courses:	14.0501		UBC	
Very Good	8	23%	535	24%
Good	20	57%	1,356	61%
Poor	7	20%	287	13%
Very Poor	0	0%	45	2%
Total	35	100%	2,223	100%

Course Availability:	14.0501		UBC	
Encountered course availability problems	9	26%	1,043	47%

Financial Constraints:	14.0501		UE	ВС
Had to interrupt studies for financial reasons	0	0%	155	7%
Had to take program part-time for financial reasons	2	6%	224	10%



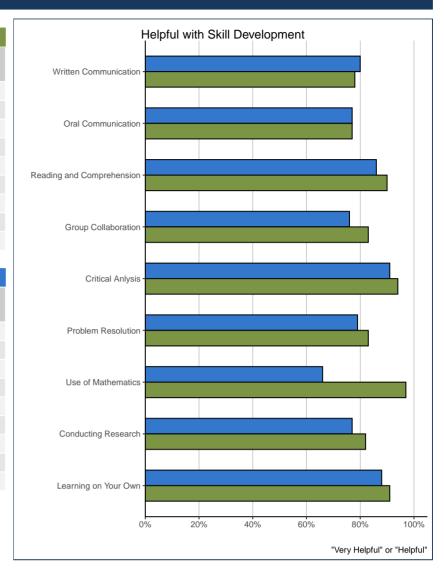




SKILL DEVELOPMENT

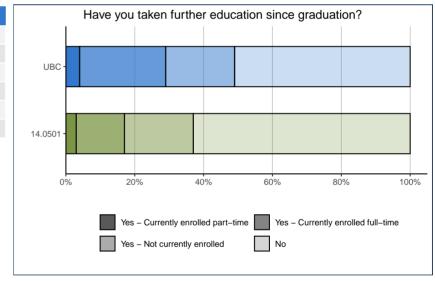
			14.0501		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	22%	56%	16%	6%	32
Oral Communication	17%	60%	17%	6%	35
Reading and Comprehension	29%	61%	6%	3%	31
Group Collaboration	43%	40%	11%	6%	35
Critical Anlysis	54%	40%	6%	0%	35
Problem Resolution	40%	43%	11%	6%	35
Use of Mathematics	63%	34%	3%	0%	35
Conducting Research	35%	47%	15%	3%	34
Learning on Your Own	56%	35%	9%	0%	34

			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

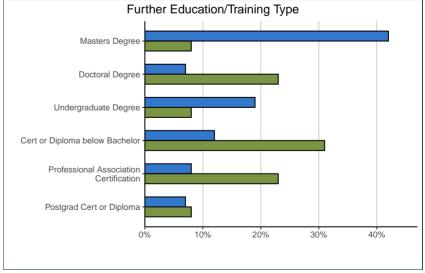


FURTHER EDUCATION

Took further education since 2020 graduation:	14.0	14.0501		UBC	
Yes	13	37%	1,119	49%	
Not currently enrolled	7	20%	454	20%	
Currently enrolled full-time	5	14%	559	25%	
Currently enrolled part-time	1	3%	99	4%	
No	22	63%	1,144	51%	
Total	35	100%	2,263	100%	



Type of Formal Post–Secondary Education:	14.	14.0501		вс
Masters Degree	1	8%	467	42%
Doctoral Degree	3	23%	82	7%
Another Undergraduate Degree	1	8%	213	19%
Certificate or Diploma below Bachelor level	4	31%	133	12%
Professional Association Certification	3	23%	86	8%
Postgraduate Certificate or Diploma	1	8%	77	7%
Other	0	0%	52	5%
Total	13	100%	1,110	100%







EMPLOYMENT

143

7.4%

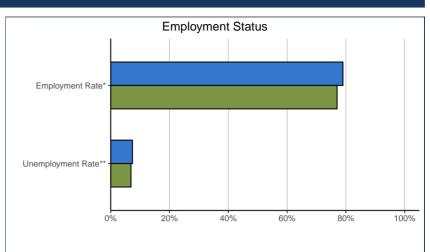
Labour Fource Status:	14.0501		UBC	
In Labour Force (working or seeking work)	29	85%	1,931	87%
Not in Labour Force	5	15%	296	13%
Total	34	100%	2,227	100%
Employment:	14.0501		UI	ВС
Employment Rate*	27	77%	1,788	79%

2

6.9%



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

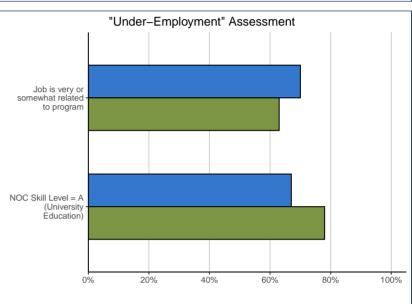


Status of Graduates NOT in Labour Force:	14.0501		UBC	
Attending School FT	4	80%	238	80%
Attending School PT	0	0%	2	1%
Other	1	20%	56	19%
Total NOT in Labour Force	5	100%	296	100%

Primary Employment Type:	14.0501		UE	ВС
Paid worker	27	100%	1,679	94%
Self-employed	0	0%	106	6%
Total	27	100%	1,785	100%

Job Characteristics:	14.0501		U	вс
I hold more than one job*	3	11%	300	17%
My main job is full-time (>= 30 hours per week)**	27	100%	1,465	86%

^{*}Of total Employed



How related is your main job to your program?	14.0501		UBC	
Very Related	10	37%	628	35%
Somewhat Related	7	26%	621	35%
Not Very Related	8	30%	271	15%
Not at All Related	2	7%	264	15%
Total	27	100%	1,784	100%

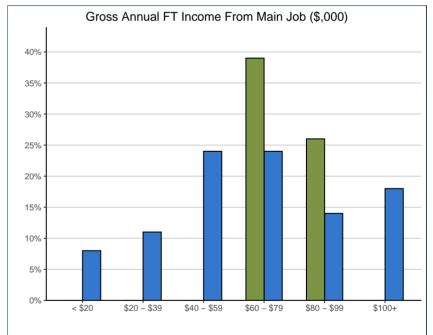
"Under-employment" Assessment:	14.0501		UBC	
Job is very or somewhat related to program	17	63%	1,249	70%
NOC Skill Level = A (University Education)*	21	78%	1,126	67%

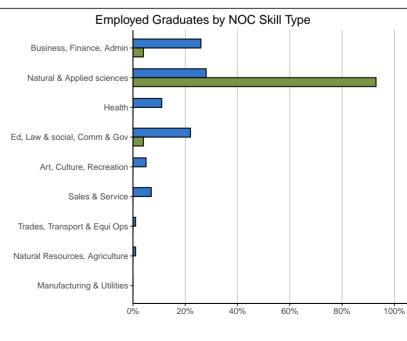
^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.0	14.0501		ВС
Less than \$20,000	0	0%	112	8%
\$20,000 to \$39,999	0	0%	151	11%
\$40,000 to \$59,999	~	~	321	24%
\$60,000 to \$79,999	9	39%	326	24%
\$80,000 to \$99,999	6	26%	195	14%
\$100,000 and Above	~	~	243	18%
Total	23	100%	1,348	100%
Median Annual Income (full-time) (\$)	77,000		70,000	
Average Annual Income (full-time) (\$)	78,696		79,724	

^{*}Where data provided

NOC Skill Type of Main Job:	14.0501		UBC	
Business, finance & administration	1	4%	429	26%
Natural & applied sciences & related	25	93%	459	28%
Health	0	0%	183	11%
Education, law and social, community & government	1	4%	361	22%
Art, culture, recreation & sport	0	0%	87	5%
Sales & service	0	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	27	100%	1,669	100%





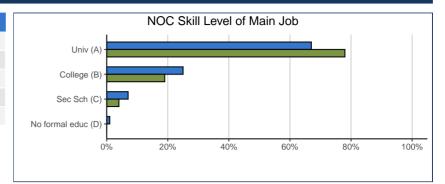
^{**}Of those who provided data on hours/week worked





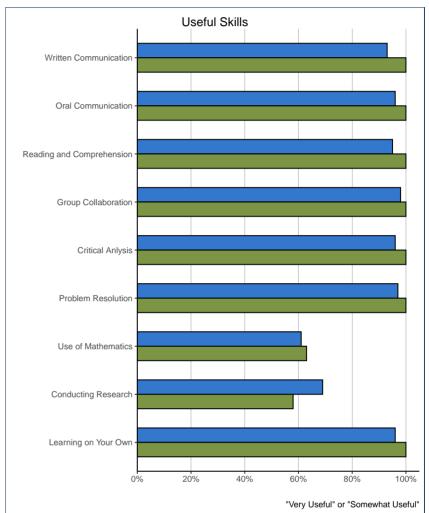
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0501		UBC	
A. University education	21	78%	1,126	67%
B. College education/trade apprenticeship	5	19%	415	25%
C. Secondary school + job-specific training	1	4%	121	7%
D. No formal education	0	0%	14	1%
Total	27	100%	1,676	100%



	14.0501				
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	74%	26%	0%	0%	27
Oral Communication	78%	22%	0%	0%	27
Reading and Comprehension	85%	15%	0%	0%	27
Group Collaboration	78%	22%	0%	0%	27
Critical Anlysis	85%	15%	0%	0%	27
Problem Resolution	85%	15%	0%	0%	27
Use of Mathematics	30%	33%	30%	7%	27
Conducting Research	27%	31%	27%	15%	26
Learning on Your Own	67%	33%	0%	0%	27

	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-1	time Occupations of 14.0501	Graduates:	14.0501
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2134	A	Chemical engineers	44%
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^{*} Data not displayed where n < 5

^{**} 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	A	Software engineers and designers	6%
XXXX	0	Unclassified occupations	4%
2174	Α	Computer programmers and interactive media developers	3%
4112	А	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	Α	Pharmacists	2%
3012	A	Registered nurses and registered psychiatric nurses	2%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.0501		ВС
Personal savings, investments	11	11 32%		28%
Employment while studying		21%	1,016	46%
Family/Friends	27	79%	1,541	70%
Personal bank loans	2	6%	116	5%
Government student loans	10	29%	704	32%
Scholarships/Bursaries/Grants	19	56%	771	35%
Other	13	38%	506	23%
Total	34		2,213	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0501		UBC	
Incurred any form of financial debt	14	41%	915	41%
Incurred government-sponsored student loan debt	11	31%	777	35%

^{*} Percentage of respondents who provided data



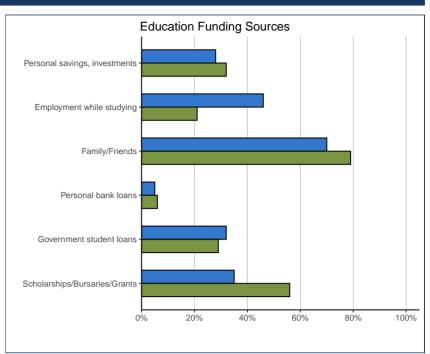
^{*} Includes only cases where financial debt was incurred

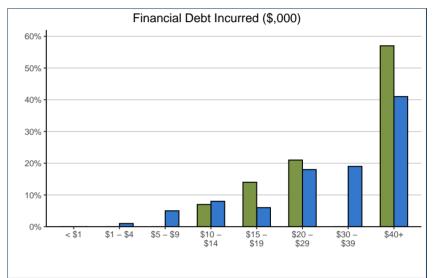


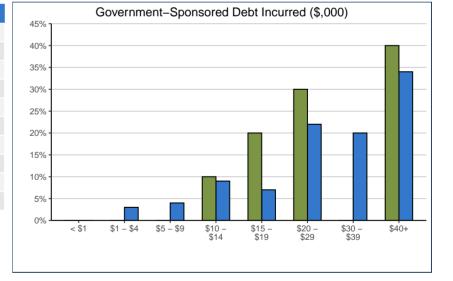
^{*} Includes only cases where government-sponsored debt was incurred

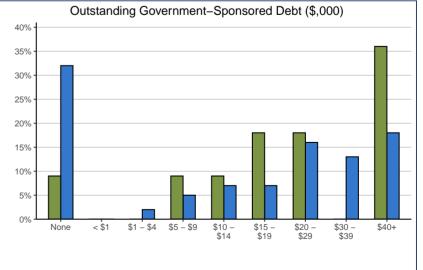


^{*} Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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